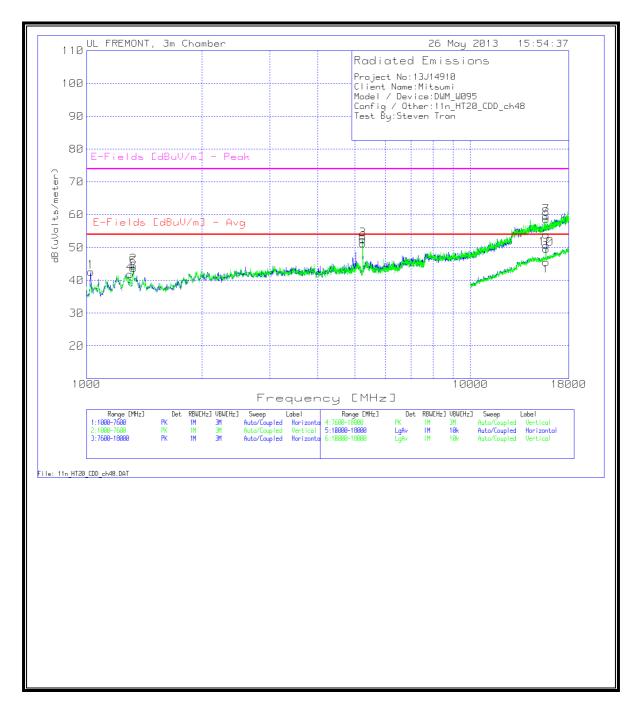
MID CHANNEL 40 DATA

00 - 7600MHz Test Frequency (MHz) 1300.15 5195.502 7600MHz Test Frequency (MHz)	Meter Reading (dBuV) 45.39 39.72	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss	T159 BRF (dB)	dB(uVolts/m	E Fields [dBu3//m]	Average	E-Fields [dBuV/m]	Peak Margin	Height [cm]	Polarity
(MHz) 1300.15 5195.502 7600MHz Test Frequency	Reading (dBuV) 45.39	Dettettor			1235 010 (00)							
5195.502 7600MHz Test Frequency				(dB)		eter)	Avg	Margin (dB)	Peak	(dB)		
7600MHz Test Frequency	39.72	РК	30.2	-32.9	0	42.69	54	-11.31	74	-31.31	99	Horz
Test Frequency		PK	34.3	-24.7	0.9	50.22	-	-	-	-	201	Horz
Test Frequency			L									
(Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] Peak	Peak Margin (dB)	Height [cm]	Polarity
1326.537	46.5	РК	29.9	-32.8	0	43.6	54	-10.4	74	-30.4	201	Vert
5195.502	40.06	PK	34.3	-24.7	0.9	50.56	-	-	-		201	Vert
0 - 18000MHz			L									
Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
15598.801	34.98	РК	40.4	-16.6	0.4	59.18	-	-	74	-14.82	100	Horz
18000MHz			1									
Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
15593.603	34.92	РК	40.4	-16.6	0.3	59.02	-	-	74	-14.98	201	Vert
Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] · Peak	Peak Margin (dB)	Height [cm]	Polarity
15601.199												
13001.199	26.99	РК	40.4	-16.6	0.4	51.19	54	-2.81	74	-22.81	99	Horz
	26.99	РК	40.4	-16.6	0.4	51.19	54	-2.81	74	-22.81	99	Horz
- 18000MHz Test Frequency (MHz)	26.99 Meter Reading (dBuV)	PK Detector	40.4 T119 Ant Factor (dB)		0.4 T159 BRF (dB)		54 E-Fields [dBuV/m] - Avg	-2.81 Average Margin (dB)	74 E-Fields [dBuV/m] Peak			Horz Polarity
- 18000MHz Test Frequency	Meter Reading		T119 Ant	T34 Preamp/ Cable Loss		dB(uVolts/m	E-Fields [dBuV/m] -	Average	E-Fields [dBuV/m] -	Peak Margin		
- 18000MHz Test Frequency (MHz) 15601.199	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB)	T159 BRF (dB)	dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
- 18000MHz Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB) -16.6	T159 BRF (dB)	dB(uVolts/m eter) 49.79	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB) -24.21	Height [cm]	Polarity
- 18000MHz Test Frequency (MHz) 15601.199 000 - 18000MHz Test Frequency	Meter Reading (dBuV) 25.59 Meter Reading	Detector PK	T119 Ant Factor (dB) 40.4 T119 Ant	T34 Preamp/ Cable Loss (dB) -16.6 T34 Preamp/ Cable Loss	T159 BRF (dB) 0.4	dB(uVolts/m eter) 49.79 dB(uVolts/m	E-Fields [dBuV/m] - Avg 54 E-Fields [dBuV/m] -	Average Margin (dB) -4.21 Average	E-Fields [dBuV/m] Peak 74 E-Fields [dBuV/m]	Peak Margin (dB) -24.21 Peak Margin	Height [cm] 201	Polarity Vert
- 18000MHz Test Frequency (MHz) 15601.199 000 - 18000MHz Test Frequency (MHz) 15599.169	Meter Reading (dBuV) 25.59 Meter Reading (dBuV)	Detector PK Detector	T119 Ant Factor (dB) 40.4 T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB) -16.6 T34 Preamp/ Cable Loss (dB)	0.4 0.4 T159 BRF (dB)	dB(uVolts/m eter) 49.79 dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg 54 E-Fields [dBuV/m] - Avg	Average Margin (dB) -4.21 Average Margin (dB)	E-Fields [dBuV/m] Peak 74 E-Fields [dBuV/m]	Peak Margin (dB) -24.21 Peak Margin	Height [cm] 201 Height [cm]	Polarity Vert Polarity
- 18000MHz Test Frequency (MHz) 15601.199 	Meter Reading (dBuV) 25.59 Meter Reading (dBuV)	Detector PK Detector	T119 Ant Factor (dB) 40.4 T119 Ant Factor (dB)	T34 Preamp/ Cable Loss (dB) -16.6 T34 Preamp/ Cable Loss (dB) -16.6	0.4 0.4 T159 BRF (dB) 0.4	dB(uVolts/m eter) 49.79 dB(uVolts/m eter) 43.2	E-Fields [dBuV/m] - Avg 54 E-Fields [dBuV/m] - Avg	Average Margin (dB) -4.21 Average Margin (dB)	E-Fields [dBuV/m] Peak 74 E-Fields [dBuV/m]	Peak Margin (dB) -24.21 Peak Margin (dB) -	Height [cm] 201 Height [cm] 99	Polarity Vert Polarity
	(MHz) 15598.801 18000MHz Test Frequency (MHz) 000 - 18000MHz Test Frequency (MHz)	Test Frequency (MHz) Reading (dBuV) 15598.801 34.98 18000MHz Test Frequency (dBuV) 15593.603 34.92 000 - 18000MHz Test Frequency Meter (MHz) (dBuV)	Test Frequency (MHz) Meter Reading (dBuV) Detector 15598.801 34.98 PK 18000MHz	Test Frequency (MHz) Meter Reading (dBuV) Detector T119 Ant Factor (dB) 15598.801 34.98 PK 40.4 18000MHz Test Frequency (MBz) Meter Reading (dBuV) Detector T119 Ant Factor (dB) 15598.603 34.92 PK 40.4 000-18000MHz Test Frequency (MHz) Meter Reading Detector T119 Ant Factor (dB)	Test Frequency (MHz) Meter Reading (dBvV) Detector T119 Ant Factor (dB) T34 Preamp/ Cable Loss (dB) 15598.801 34.98 PK 40.4 -16.6 18000MHz	Test Frequency (MHz) Meter Reading (dBuv) Detector T119 Ant Factor (dB) T34 Preamp/ Cable Loss (dB) T159 RF (dB) 15598.801 34.98 PK 40.4 -16.6 0.4 18000MHz	Test Frequency (MHz) Meter Reading (dBuV) Detector T119 Ant Factor (dB) T34 Preamp/ (dB) T159 BRF (dB) (dB) dB(uVolts/m eter) 15598.001 34.98 PK 40.4 -16.6 0.4 59.18 18000MHz Test Frequency (MHz) Meter Reading (dBuV) Detector T119 Ant Factor (dB) T34 Preamp/ (dB) T159 BRF (dB) dB(uVolts/m eter) 1593.603 34.92 PK 40.4 -16.6 0.3 59.02 15593.603 34.92 PK 40.4 -16.6 0.3 59.02 000 - 18000MHz T T T119 Ant Factor (dB) T34 Preamp/ T34 Preamp/ T159 BRF (dB) dB(uVolts/m eter) 000 - 18000MHz T T T34 Preamp/ Table Loss T159 BRF (dB) dB(uVolts/m eter)	Test Frequency (MHz) Meter Reading (dBuv) Detector T119 Ant Factor (dB) T34 Preamp/ (dBuv) T159 BRF (dB) (dB) dB(uVolts/m eter) E-Fields [dBuv/m]- Avg 15598.801 34.98 PK 40.4 -16.6 0.4 59.18 - 18000MHz Test Frequency (MHz) Meter Reading (dBuv) Detector T119 Ant Factor (dB) T34 Preamp/ (dB) T34 Preamp/ (dB) T159 BRF (dB) dB(uVolts/m eter) E-Fields [dBuv/m]- Avg 15593.603 34.92 PK 40.4 -16.6 0.3 59.02 - 15593.603 34.92 PK 40.4 -16.6 0.3 59.02 - 000 - 18000MHz T T T34 Preamp/ Factor (dB) T34 Preamp/ T34 Preamp/ T159 BRF (dB) dB(uVolts/m eter) E-Fields [dBuv/m]- Avg	Test Frequency (MHz) Meter Reading (dBuV) Detector (dB) T14 Preamp/ (dB) T159 BRF (dB) (dB) dB(uVolts/m eter) E-Fields [dBuV/m]- Avg Average Margin (dB) 15598.001 34.98 PK 40.4 -16.6 0.4 59.18 - - 18000MHz Test Frequency (MHz) Meter (dBuV) Detector (dB) T19 Ant Factor (dB) T34 Preamp/ (dB) T159 BRF (dB) (dB) dB(uVolts/m eter) E-Fields [dBuV/m]- Avg Average Margin (dB) 1509.603 34.92 PK 40.4 -16.6 0.3 59.02 - - 1559.8603 34.92 PK 40.4 -16.6 0.3 59.02 - - 000 - 18000MHz T T199 Ant Factor (dB) T34 Preamp/ Cable Loss T159 BRF (dB) (dB(uVolts/m) BE/Fields [dBuV/m]- Average Margin (dB) Average Margin (dB) 000 - 18000MHz T T T34 Preamp/ Cable Loss T159 BRF (dB) BdB(uVolts/m eter) E-Fields [dBuV/m]- Average Margin (dB)	Test Frequency (MHz) Meter Reading (dBuV) Detector Factor (dB) T119 Ant Factor (dB) T34 Preamp/ Cable Loss (dB) T35 9 BRF (dB) (dB) dB(uVolts/m eter) E-Fields [dBuV/m]- Avg Average Margin (dB) E-Fields [dBuV/m]- Peak 15598.801 34.98 PK 40.4 -16.6 0.4 59.18 - - 74 18000MHz Test Frequency (MHz) Meter (MHz) Detector (dB) T119 Ant Factor (dB) T34 Preamp/ Cable Loss (dB) T159 BRF (dB) dB(uVolts/m eter) E-Fields [dBuV/m]- Avg Average Margin (dB) E-Fields [dBuV/m]- Peak 15593.603 34.92 PK 40.4 -16.6 0.3 59.02 - - 74 000 - 18000MHz Test Frequency (MHz) Meter Reading Detector T119 Ant Factor (dB) T34 Preamp/ Cable Loss (dB) T159 BRF (dB) B(uVolts/m eter) E-Fields [dBuV/m]- Avg Average Margin (dB) E-Fields [dBuV/m]- Peak 000 - 18000MHz Test Frequency (MHz) Meter Reading Detector T119 Ant Factor (dB) T34 Preamp/ Cable Loss (Cable Loss E-Fields [dBuV/m]- Avg Average Margin (dB) E-Fields [dBuV/m]- Peak <td>Test Frequency (MHz) Meter Reading (dBuv) Detector Factor (dB) T134 Preamp/ Cable Loss (dB) T1359 RF (dB) (dB) dB(uvolts/m eter) E-Fields (dBuv/m]- Avg Average Margin (dB) E-Fields [dBuv/m]- Peak Peak Peak Peak Average Margin (dB) E-Fields [dBuv/m]- Peak Peak Peak</td> <td>Test Frequency (MHz) Meter Reading (dBuV) Detector NMHz T13 Preamp/ Factor (dB) T34 Preamp/ Cable Loss (dB) T159 BRF (dB) Cable Loss (dB) dB(uVolts/m eter) E-Fields [dBuV/m]- Avg Average Margin (dB) E-Fields [dBuV/m]- Peak Peak (dB) Height [cm] (dB) 15598.001 34.98 PK 40.4 -16.6 0.4 59.18 - - 74 -14.82 100 18000MHz Test Frequency (MHz) Meter (MHz) Detector T19 Ant Factor (dB) T34 Preamp/ Factor (dB) T34 Preamp/ (aB) T159 BRF (dB) dB(uVolts/m eter) E-Fields [dBuV/m]- Avg Average Margin (dB) E-Fields [dBuV/m]- Peak Peak Margin (dB) Height [cm] (dB) 15593.603 34.92 PK 40.4 -16.6 0.3 59.02 - - 74 -14.98 201 15593.603 34.92 PK 40.4 -16.6 0.3 59.02 - - 74 -14.98 201 1599.8.603 34.92 PK 40.4 -16.6 0.3 59.02 - - 74</td>	Test Frequency (MHz) Meter Reading (dBuv) Detector Factor (dB) T134 Preamp/ Cable Loss (dB) T1359 RF (dB) (dB) dB(uvolts/m eter) E-Fields (dBuv/m]- Avg Average Margin (dB) E-Fields [dBuv/m]- Peak Peak Peak Peak Average Margin (dB) E-Fields [dBuv/m]- Peak Peak Peak	Test Frequency (MHz) Meter Reading (dBuV) Detector NMHz T13 Preamp/ Factor (dB) T34 Preamp/ Cable Loss (dB) T159 BRF (dB) Cable Loss (dB) dB(uVolts/m eter) E-Fields [dBuV/m]- Avg Average Margin (dB) E-Fields [dBuV/m]- Peak Peak (dB) Height [cm] (dB) 15598.001 34.98 PK 40.4 -16.6 0.4 59.18 - - 74 -14.82 100 18000MHz Test Frequency (MHz) Meter (MHz) Detector T19 Ant Factor (dB) T34 Preamp/ Factor (dB) T34 Preamp/ (aB) T159 BRF (dB) dB(uVolts/m eter) E-Fields [dBuV/m]- Avg Average Margin (dB) E-Fields [dBuV/m]- Peak Peak Margin (dB) Height [cm] (dB) 15593.603 34.92 PK 40.4 -16.6 0.3 59.02 - - 74 -14.98 201 15593.603 34.92 PK 40.4 -16.6 0.3 59.02 - - 74 -14.98 201 1599.8.603 34.92 PK 40.4 -16.6 0.3 59.02 - - 74

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HIGH CHANNEL 48 GRAPH



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HIGH CHANNEL 48 DATA

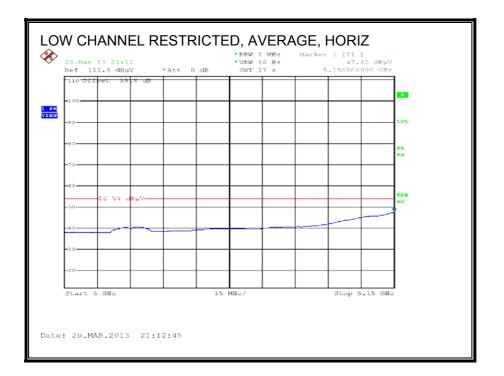
forizontal 100 Marker No. 1 2 *3 /ertical 1000 - Marker No.	0 - 7600MHz Test Frequency (MHz) 1026.387 1326.537	Meter Reading	Detector										
1 2 *3 /ertical 1000 -	(MHz) 1026.387	Reading	Detector	T119 Ant	T24 Dreamn/	T159 BRF [dB]	dB(uVolts/	E-Fields	Average	E-Fields [dBuV/m]	Book Margin	Height [cm]	Polarity
2 *3 /ertical 1000 -		(dBuV)		Factor (dB)	Cable Loss (dB)	(dB)	meter)	[dBuV/m] - Avg	Margin	- Peak	Peak margin	Height [Chi]	Polating
*3 /ertical 1000 -	1326 537	49.17	РК	27.2	-33.8	0	42.57	54	-11.43	74	-31.43	99	Horz
ertical 1000 -		47.43	PK	29.9	-32.8	0	44.53	54	-9.47	74	-29.47	99	Horz
	5238.381	41.96	РК	34.3	-24.7	0.9	52.46		-		-	201	Horz
Marker No.	7600MHz												
	Test Frequency (MHz)	Meter Reading	Detector	T119 Ant Factor (dB)	Cable Loss	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	(dBuV) 44.61	РК	30.2	(dB) -32.9	0	41.91	54	-12.09	74	-32.09	201	Vert
5	1326.537	46.53	РК	29.9	-32.8	0	43.63	54	-10.37	74	-30.37	201	Vert
*6	5244.978	40.74	РК	34.3	-24.7	0.9	51.24				•	201	Vert
orizontal 760	0 - 18000MHz			1									
	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	РК	40.4	-16.4	0.4	59.57		-	74	-14.43	99	Horz
1-1700													
/ertical 7600 - Marker No.	18000MHz Test Frequency	Meter	Detector	T119 Ant	T34 Preamp/	T159 BRF [dB]	dB(uVolts/	E-Fields	Average	E-Fields [dBuV/m]	Peak Margin	Height [cm]	Polarity
Marrie	(MHz)	Reading (dBuV)	Dettertai	Factor (dB)	Cable Loss (dB)	(dB)	meter)	[dBuV/m] - Avg	Margin	- Peak		incigine (circl)	
8	15718.341	34.27	РК	40.4	-16.4	0.4	58.67		-	74	-15.33	201	Vert
								1 1			i 1		
orizontal 100	00 - 18000MHz							<u> </u>					
lorizontal 100 Marker No.	00 - 18000MHz Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	Cable Loss	T159 BRF [dB] (dB)	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
	Test Frequency		Detector PK								Peak Margin -23.27	Height [cm] 99	Polarity Horz
Marker No. 9	Test Frequency (MHz) 15725.137	Reading (dBuV)		Factor (dB)	Cable Loss (dB)	(dB)	meter)	[dBuV/m] - Avg	Margin	- Peak	-		
9 /ertical 10000	Test Frequency (MHz) 15725.137	Reading (dBuV) 26.33 Meter Reading		Factor (dB)	Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss	(dB)	meter)	[dBuV/m] - Avg	Margin	- Peak	-23.27		
Marker No. 9 /ertical 10000	Test Frequency (MHz) 15725.137 - 18000MHz Test Frequency	Reading (dBuV) 26.33 Meter	РК	Factor (dB) 40.4 T119 Ant	Cable Loss (dB) -16.4 T34 Preamp/	(dB) 0.4 T159 BRF [dB]	meter) 50.73 dB(uVolts/	[dBuV/m] - Avg 54 E-Fields	Margin -3.27 Average	- Peak 74 E-Fields [dBuV/m]	-23.27	99	Horz
9 /ertical 10000 Marker No. 10	Test Frequency (MHz) 15725.137 - 18000MHz Test Frequency (MHz) 15713.143	Reading (dBuV) 26.33 Meter Reading (dBuV)	PK Detector	Factor (dB) 40.4 T119 Ant Factor (dB)	Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss (dB)	(dB) 0.4 T159 BRF [dB] (dB)	meter) 50.73 dB(uVolts/ meter)	[dBuV/m] - Avg 54 E-Fields [dBuV/m] - Avg	Margin -3.27 Average Margin	- Peak 74 E-Fields [dBuV/m] - Peak	-23.27 Peak Margin	99 Height [cm]	Horz Polarity
9 /ertical 10000 Marker No.	Test Frequency (MHz) 15725.137 - 18000MHz Test Frequency (MHz)	Reading (dBuV) 26.33 Meter Reading (dBuV)	PK Detector	Factor (dB) 40.4 T119 Ant Factor (dB)	Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss	(dB) 0.4 T159 BRF [dB] (dB)	meter) 50.73 dB(uVolts/ meter)	[dBuV/m] - Avg 54 E-Fields [dBuV/m] - Avg	Margin -3.27 Average Margin	- Peak 74 E-Fields [dBuV/m] - Peak	-23.27 Peak Margin -24.33	99 Height [cm]	Horz Polarity
9 /ertical 10000 Marker No. 10	Test Frequency (MHz) 15725.137 - 18000MHz Test Frequency (MHz) 15713.143 00 - 18000MHz Test Frequency	Reading (dBuV) 26.33 Meter Reading (dBuV) 25.27 Meter Reading	PK Detector PK	Factor (dB) 40.4 T119 Ant Factor (dB) 40.4 T119 Ant	Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss (dB) -16.4 T34 Preamp/	(dB) 0.4 T159 BRF [dB] (dB) 0.4 T159 BRF [dB]	meter) 50.73 dB(uVolts/ meter) 49.67 dB(uVolts/	[dBuV/m] - Avg 54 E-Fields [dBuV/m] - Avg 54 E-Fields	Margin -3.27 Average Margin -4.33 Average	- Peak 74 E-Fields [dBuV/m] - Peak 74 E-Fields [dBuV/m]	-23.27 Peak Margin -24.33	99 Height [cm] 201	Horz Polarity Vert
Marker No. 9 /ertical 10000 Marker No. 10 Horizontal 100 Marker No. 9	Test Frequency (MHz) 15725.137 - 18000MHz Test Frequency (MHz) 15713.143 00 - 18000MHz Test Frequency (MHz) 15738.18	Reading (dBuV) 26.33 Meter Reading (dBuV) 25.27 Meter Reading (dBuV)	PK Detector PK Detector	Factor (dB) 40.4 T119 Ant Factor (dB) 40.4 T119 Ant Factor (dB)	Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss (dB)	(dB) 0.4 T159 BRF [dB] (dB) 0.4 T159 BRF [dB] (dB)	meter) 50.73 dB(uVolts/ meter) 49.67 dB(uVolts/ meter)	[dBuV/m] - Avg 54 [dBuV/m] - Avg 54 [dBuV/m] - Avg [dBuV/m] - Avg	Margin -3.27 Average Margin -4.33 Average Margin	- Peak 74 E-Fields [d8uV/m] - Peak 74 E-Fields [dBuV/m] - Peak	-23.27 Peak Margin -24.33 Peak Margin	99 Height [cm] 201 Height [cm]	Horz Polarity Vert Polarity
9 Vertical 10000 Marker No. 10 Horizontal 100 Marker No.	Test Frequency (MHz) 15725.137 - 18000MHz Test Frequency (MHz) 15713.143 00 - 18000MHz Test Frequency (MHz) 15738.18	Reading (dBuV) 26.33 Meter Reading (dBuV) 25.27 Meter Reading (dBuV)	PK Detector PK Detector	Factor (dB) 40.4 T119 Ant Factor (dB) 40.4 T119 Ant Factor (dB)	Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss (dB) -16.4	(dB) 0.4 T159 BRF [dB] (dB) 0.4 T159 BRF [dB] (dB)	meter) 50.73 dB(uVolts/ meter) 49.67 dB(uVolts/ meter)	[dBuV/m] - Avg 54 [dBuV/m] - Avg 54 [dBuV/m] - Avg [dBuV/m] - Avg	Margin -3.27 Average Margin -4.33 Average Margin	- Peak 74 E-Fields [d8uV/m] - Peak 74 E-Fields [dBuV/m] - Peak	-23.27 Peak Margin -24.33 Peak Margin -	99 Height [cm] 201 Height [cm]	Horz Polarity Polarity Horz
Marker No. 9 /ertical 10000 Marker No. 10 Horizontal 100 Marker No. 9 /ertical 10000	Test Frequency (MHz) 15725.137 - 18000MHz Test Frequency (MHz) 15713.143 00 - 18000MHz Test Frequency (MHz) 15738.18	Reading (dBuV) 26.33 Meter Reading (dBuV) 25.27 Meter Reading (dBuV) 16.78	PK Detector PK Detector	Factor (dB) 40.4 T119 Ant Factor (dB) 40.4 T119 Ant Factor (dB) 40.4	Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss (dB) -16.4 T34 Preamp/ Cable Loss (dB) -16.4	(dB) 0.4 T159 BRF [dB] (dB) 0.4 T159 BRF [dB] (dB) 0.4	meter) 50.73 dB(uVolts/ meter) 49.67 dB(uVolts/ meter) 42.53	[dBuV/m] - Avg 54 E-Fields [dBuV/m] - Avg 54 E-Fields [dBuV/m] - Avg 54	Margin -3.27 Average Margin -4.33 Average Margin -11.47	- Peak 74 E-Fields [d8uV/m] - Peak 74 E-Fields [d8uV/m] - Peak -	-23.27 Peak Margin -24.33 Peak Margin -	99 Height [cm] 201 Height [cm] 100	Horz Polarity Vert Polarity

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

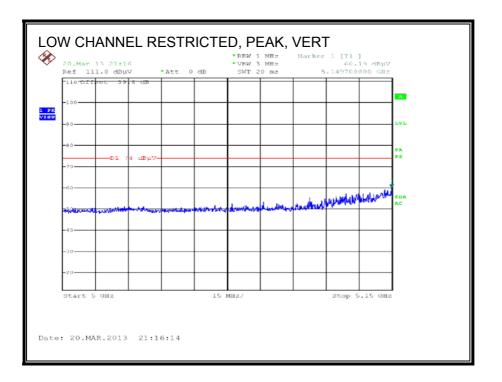
RESTRICTED BANDEDGE (LOW CHANNEL)

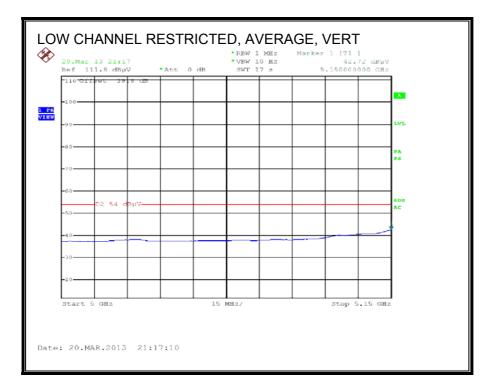
LOW CHANNEL RESTRICTED, PEAK, HORIZ *RBW 1 MHz *VBW 3 MHz SWT 20 ms Marker 1 [T1] 64.61 dBµV 5.147300000 GHz × 20.Mar 13 21:13 Ref 111.8 dBuV *Att 0 dB 110 011 1 PK VIEW -D1 dBuV wide shing the Miler Marson 10 10 10 10 (DE with the 15 MHz/ Stop 5.15 GH Date: 20.MAR.2013 21:13:20



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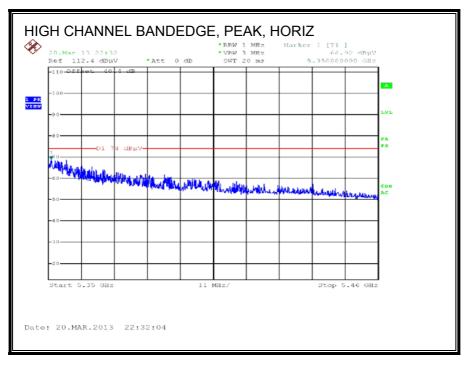


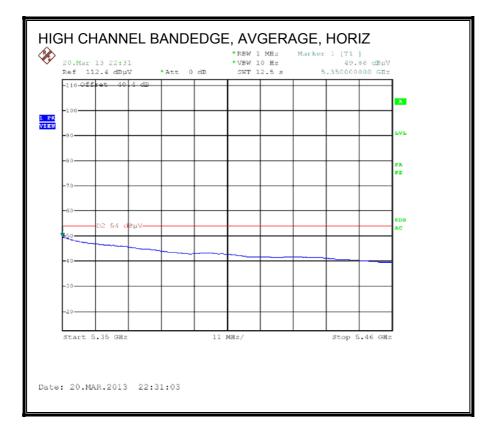


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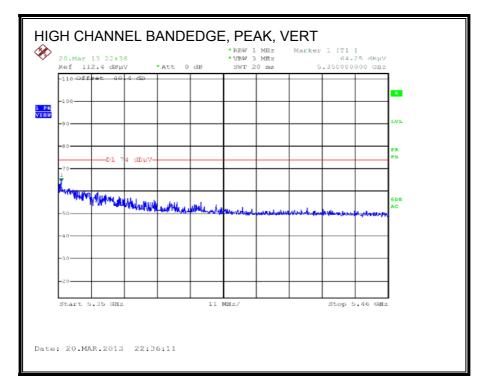
AUTHORIZED BANDEDGE (HIGH CHANNEL)

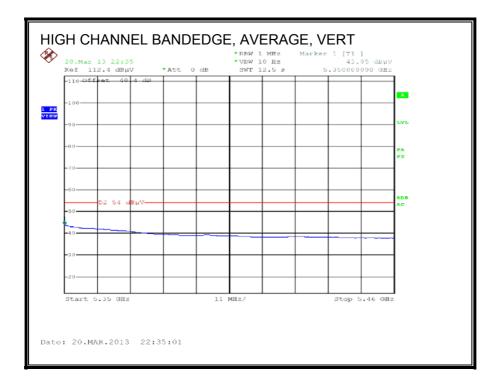




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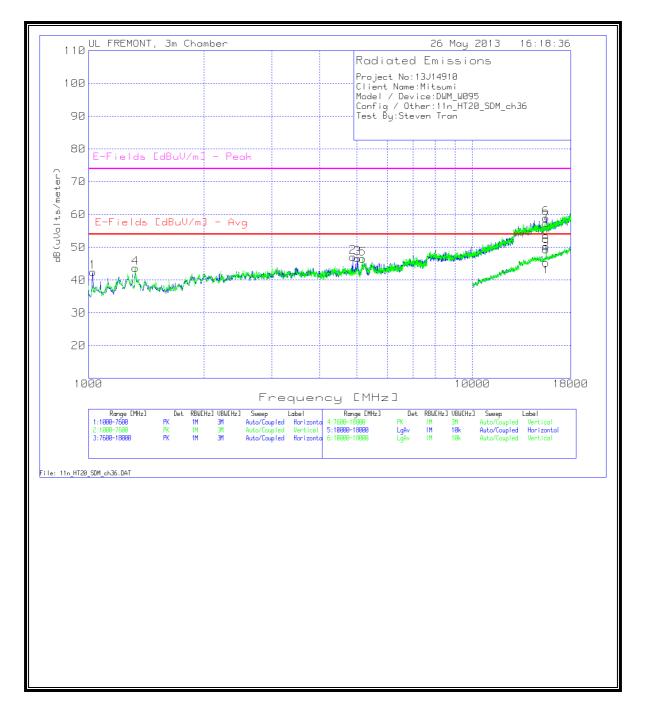


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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 36 GRAPH



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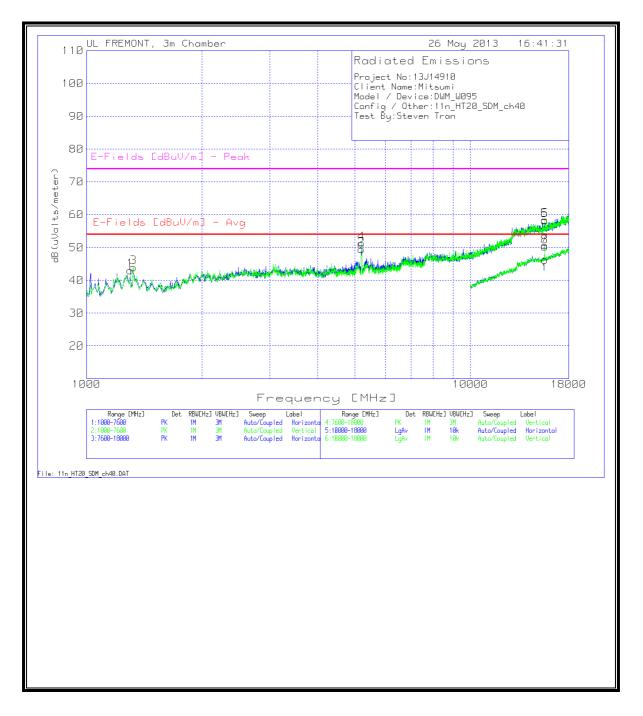
LOW CHANNEL 36 DATA

orizontai 100	Translating												
Marker No.	00 - 7600MHz Test Frequency	Meter	Detector	T119 Ant	Tag Preamp/	T159 BRF [dB]	dB(uVolts/	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
Midi Ka	(MHz)	Reading (dBuV)	Denter	Factor (dB)	Cable Loss (dB)	(dB)	meter)	[dBuV/m] - Avg		[dBuV/m] - Peak	Peak mo.o	Height (FVia.
1	1026.387	49.05	РК	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	РК	34.1	-24.9	0.9	46.7	54	-7.3	74	-27.3	201	Horz
ertical 1000 -	- 7600MHz		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	·			<u> </u>	<u> </u>	
Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor [dB/m] (dB)	(dB)		eter)	[dBuV/m] - Avg	Margin	E-Fields [dBuV/m] - Peak	Margin	Height [cm]	Polarity
4	1326.537	46.57	РК	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
orizontal 76	i00 - 18000MHz		<u> </u>	<u> </u>		<u> </u>		<u> </u>			L	<u> </u>	
Marker No.	Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	Cable Loss (dB)	T159 BRF [dB] (dB)	meter)	E-Fields [dBuV/m] - Avg	Average Margin	E-Fields [dBuV/m] - Peak	Peak Margin	Height [cm]	Polarity
6	15531.234	34.59	РК	40.3	-16.5	0.5	58.89	-		74	-15.11	99	Horz
/ertical 7600 -	- 18000MHz		<u> </u>	<u> </u>	ــــــ	L	<u> </u>	<u> </u>			L	<u> </u>	
Marker No.	Test Frequency	Meter	Detector	T119 Ant		T159 BRF [dB]		E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
	(MHz)	Reading (dBuV)		Factor (dB)	Cable Loss (dB)	(dB)	meter)	[dBuV/m] - Avg	Margin	[dBuV/m] - Peak			
7	15541.629	33.07	РК	40.3	-16.5	0.5	57.37	-		74	-16.63	201	Vert
orizontal 10	000 - 18000MHz		L		L	·	·	· · · · · · · · · · · · · · · · · · ·			·	·	
Marker No.		Meter Reading (dBuV)	Detector	T119 Ant Factor (dB)	Cable Loss	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	(dBuV) 26.06	РК	40.3	(dB) -16.5	0.5	50.36	-		Peak 74	-23.64	100	Horz
	0 - 18000MHz				<u> </u>								
/ertical 10000 Marker No.	0 - 18000MHz Test Frequency	Meter	Detector	T119 Ant	T34 Preamp/	T159 BRF [dB]	dB(uVolts/	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarit
	(MHz)	Reading (dBuV)		Factor (dB)	Cable Loss (dB)	(dB)	meter)	[dBuV/m] - Avg	Margin	[dBuV/m] - Peak			
9	15545.227	25.14	PK	40.3	-16.5	0.4	49.34			74	-24.66	201	Vert
Iorizontal 10	000 - 18000MHz			·ــــــــــــــــــــــــــــــــــــ	·		<u> </u>				<u>ــــــــــــــــــــــــــــــــــــ</u>	LL	
Marker No.	Test Frequency	Meter	Detector	T119 Ant	T34 Preamp/	T159 BRF [dB]	dB(uVolts/	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
	(MHz)	Reading (dBuV)		Factor (dB)	Cable Loss (dB)	(dB)	meter)	[dBuV/m] - Avg	Margin	[dBuV/m] - Peak			
8	15556.309	16.96	AV	40.3	-16.5	0.5	43.89	54	-10.11	-	-	100	Horz
Vertical 10000	0 - 18000MHz					·		·			·	·	
Marker No.	Test Frequency	Meter	Detector	T119 Ant		T159 BRF [dB]		E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
1	(MHz)	Reading (dBuV)		Factor (dB)	Cable Loss (dB)	(dB) 0.4		[dBuV/m] - Avg	Margin	[dBuV/m] - Peak			
9	15632.457	15.44	AV	40.3	-16.5		36.54	54	-17.46	1		201	Vert

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MID CHANNEL 40 GRAPH



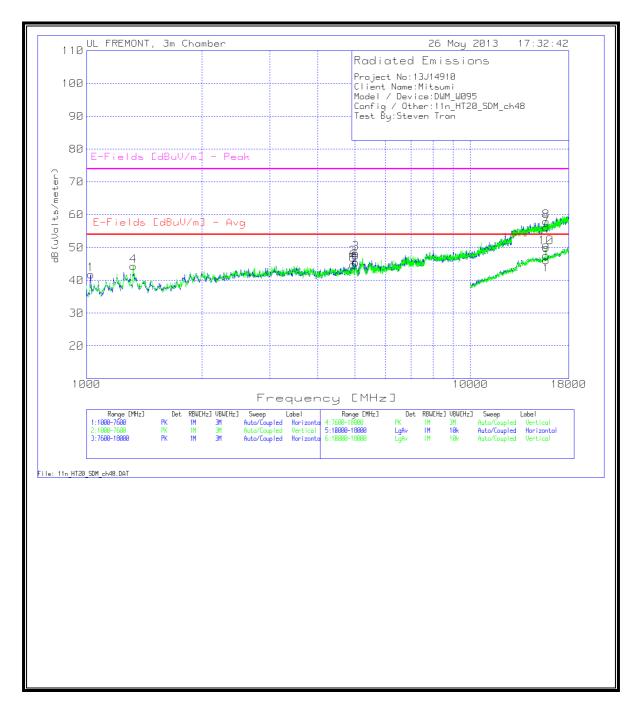
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MID CHANNEL 40 DATA

Horz Horz Horz Horz Polarity Vert Vert Polarity	100 200 100 200 Height [cm] 200 200	-31.15 -30.87 -25.9 - - Peak Margin (dB) -32.03	74 74 - E-Fields [dBuV/m] - Peak	-11.12 -10.84 -5.87 - - Average Margin (dB)	53.97 53.97 53.97 -	dB(uVolts/ meter) 42.85 43.13 48.1 48.78	0 0 0.2 0.9	3.2 3.2 7.1	-36 -35.9	[dB/m]		BuV)		
Horz Horz Horz Polarity Vert Vert Polarity	200 100 200 Height [cm] 200	-30.87 -25.9 - Peak Margin (dB)	74 74 - E-Fields	-10.84 -5.87 - Average	53.97 53.97 -	42.85 43.13 48.1	0	3.2 7.1		27.5				
Horz Horz Polarity Vert Vert Polarity	100 200 Height [cm] 200	-25.9 - Peak Margin (dB)	74 - E-Fields	-5.87 - Average	- 53.97	48.1	0.2	7.1	-35.9		РК	48.15	1023.088	1
Horz Polarity Vert Vert Polarity	200 Height [cm] 200	- Peak Margin (dB)	- E-Fields	- Average	-				-34.9	27.8 34.6	PK PK	48.03 41.1	1075.862 4898.651	2
Vert Vert Polarity	200	(dB)						7.4	-34.9	34.8	PK	40.58	5205.397	*4
Vert Vert Polarity	200	(dB)												
Vert Vert Polarity	200	(dB)			E-Fields	Corrected	T159 BRF [dB]	Cable Factor	T145 Preamp	T345 Ant	Detector	Meter	- 7600MHz Test Frequency	ertical 1000 Marker No.
Vert Polarity		-32.03			[dBuV/m] - Avg	Reading dB(uVolts/met er)		[dB]	Gain [dB]	Factor [dB/m]		Reading(d BuV)	(MHz)	
Polarity	200		74	-12	53.97	41.97	0	3.2	-35.9	27.8	PK	46.87	1075.862	5
			· ·	-		50.54	0.9	7.4	-34.9	34.8	PK	42.34	5205.397	*6
													00 - 18000MHz	orizontal 76
	Height [cm]	Peak Margin (dB)	E-Fields [dBuV/m] - Peak	Average Margin (dB)	E-Fields [dBuV/m] - Avg	Corrected Reading dB(uVolts/met er)	T159 BRF [dB]	Cable Factor [dB]	T145 Preamp Gain [dB]	T345 Ant Factor [dB/m]	Detector	Meter Reading(d BuV)	Test Frequency (MHz)	Marker No.
Horz	200	-23.79	74	-	-	50.21	0.2	10.7	-34.5	38.1	PK	35.71	10396.202	7
Horz	100	-20.17	74			53.83	0.4	12.6	-32.1	39.2	РК	33.73	13868.066	8
													- 18000MHz	ertical 7600
Polarity	Height [cm]	(dB)	E-Fields [dBuV/m] - Peak	Average Margin (dB)	E-Fields [dBuV/m] - Avg	Reading dB(uVolts/met er)	T159 BRF [dB]	[dB]	T145 Preamp Gain [dB]	T345 Ant Factor [dB/m]	Detector	Meter Reading(d BuV)	Test Frequency (MHz)	
Vert Vert	200 200	-22.04 -19.83	74 74		-	51.96 54.17	0.3	10.7 13.5	-34.5 -32.9	38.1	PK PK	37.36 32.27	10391.004 15598.801	9 10
vert	200	-19.83	/4			54.17	0.2	13.5	-32.9	41.1	PK	32.27	15598.801	10
													000 - 18000MHz	
Polarity	Height [cm]	Peak Margin (dB)	E-Fields [dBuV/m] - Peak		E-Fields [dBuV/m] - Avg	Corrected Reading dB(uVolts/met er)	T159 BRF [dB]	Cable Factor [dB]	T145 Preamp Gain [dB]	T345 Ant Factor [dB/m]	Detector	Meter Reading(d BuV)	Test Frequency (MHz)	Marker No.
Horz			68.2	-	-	40.68				38.1				11
Horz	200	-25.09	08.2			45.11	0.0	12.0	-52.1	39.2	PK	22.81	13898.051	12
										<u></u>				
Polarity	Height [cm]	(dB)	E-Fields [dBuV/m] - Peak		E-Fields [dBuV/m] - Avg	Corrected Reading dB(uVolts/met er)	T159 BRF [dB]	Cable Factor [dB]	T145 Preamp Gain [dB]	T345 Ant Factor [dB/m]	Detector	Meter Reading(d BuV)	Test Frequency (MHz)	Marker No.
Vert Vert				-	-									
ven	200	-25.65	/4	-5.0	33.57	44.17	0.2	15.5	-52.5	41.1	PK	22.27	13001.133	14
	Height [cm] 100 200 Height [cm] 200 200	(dB) -27.52 -25.09 Peak Margin	68.2 68.2 E-Fields	- - Average	- - E-Fields	Reading dB(uVolts/met er) 40.68 43.11 Corrected Reading dB(uVolts/met	T159 BRF [dB] 0.2 0.6 T159 BRF [dB] 0.2 0.2	[dB] 10.7 12.6 Cable Factor	-34.5 -32.1 T145 Preamp	[dB/m] 38.1 39.2 T345 Ant Factor	Detector PK PK Detector PK PK	BuV) 26.18 22.81 Meter Reading(d	Test Frequency (MHz) 10399.8 13898.051 - 18000MHz Test Frequency	Marker No.

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HIGH CHANNEL 48 GRAPH



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HIGH CHANNEL 48 DATA

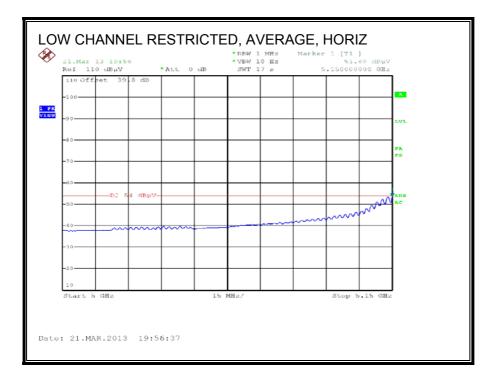
Marker No.	0 - 7600MHz Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarit
1	1026.387	48.34	РК	27.5	-36	3.2	0	43.04	53.97	-10.93	74	-30.96	100	Horz
2	1075.862 5271.364	48.4 37.28	PK PK	27.8 34.9	-35.9 -34.9	3.2	0	43.5 45.58	53.97	-10.47	74 68.2	-30.5	100 200	Horz Horz
3	5271.504	37.20	PK	34.9	-34.9	7.4	0.9	45.56			00.2	-22.02	200	HOIZ
ertical 1000 - Aarker No.	7600MHz Test Frequency (MHz)	Meter Reading(dBu V)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarit
4	1075.862	47.45	РК	27.8	-35.9	3.2	0	42.55	53.97	-11.42	74	-31.45	200	Vert
5	2025.787 5268.066	43.38 37.2	PK PK	31.8 34.9	-35 -34.9	4.2	0.9	44.38 45.5	53.97	-9.59	74 68.2	-29.62	100 100	Vert Vert
-														
Marker No.	0 - 18000MHz Test Frequency (MHz)	Meter Reading(dBu V)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	[dB]	T192 HPF [dB]	Reading dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarit
7	13748.526 17864.868	34.13 32.1	PK PK	39.1 42.2	-32.1	12.5 14.8	0.6	54.23 58.2	-	-	68.2 74	-13.97 -15.8	100 200	Horz
													200	
ertical 7600 - Aarker No.	Test Frequency (MHz)	Meter Reading(dBu V)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarit
9	11737.131	34.35	РК	39	-33.5	11.4	0.3	51.55	-	-	74	-22.45	200	Vert
orizontal 100	00 - 18000MHz													
Aarker No.	Test Frequency (MHz)	Meter Reading(dBu V)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	[dB]	T192 HPF [dB]	Reading dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarit
10 11	13734.133 17740.13	22.4 21.47	PK PK	39.1 42.2	-32.1 -31.4	12.5 14.7	0.7	42.6	- 53.97	-6.8	68.2 74	-25.6 -26.83	100 200	Horz Horz
		22.47	T K	-	-5214	1407	012	4/12/	55.57	-0.0	74	20100	200	HOL
Aarker No.	- 18000MHz Test Frequency (MHz)	Meter Reading(dBu V)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	[dB]	T192 HPF [dB]	Reading dB(uVolts/m eter)	E-Fields [dBuV/m] - Avg	Margin (dB)	E-Fields [dBuV/m] - Peak	Margin (dB)	Height [cm]	Polarit
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
12 PK - Peak dete DP - Quasi-Pe		23.84	РК	39.1	-33.4	11.5	0.2	41.24	53.97	-12.73	74	-32.76	100	Ve

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

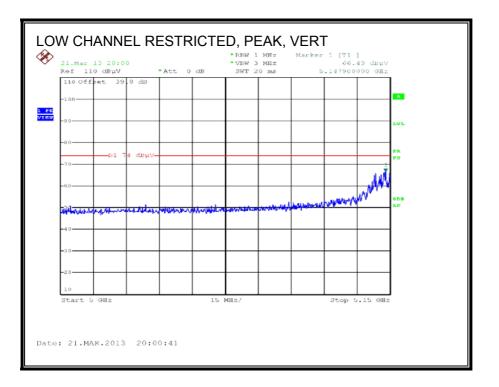
RESTRICTED BANDEDGE (LOW CHANNEL)

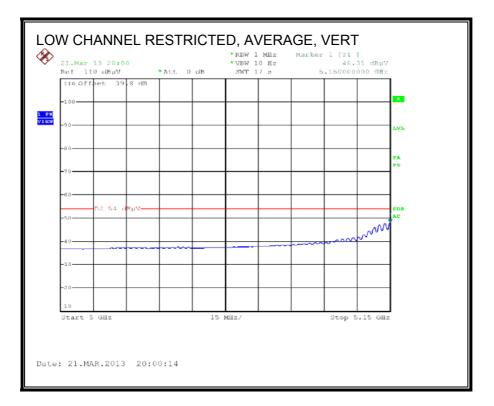
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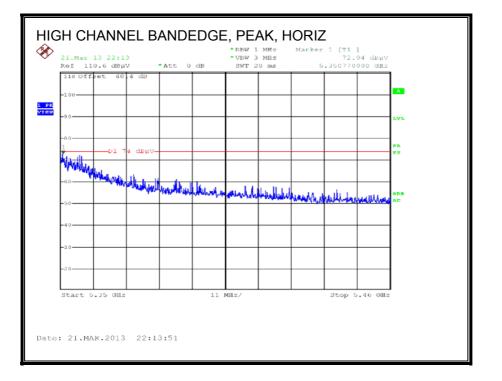


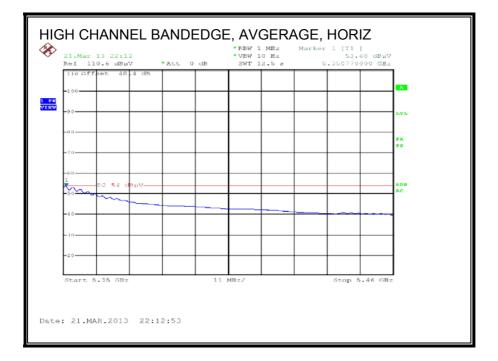


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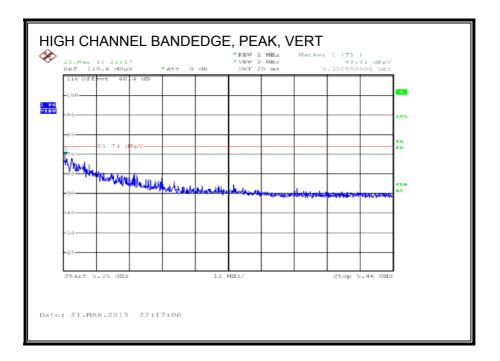
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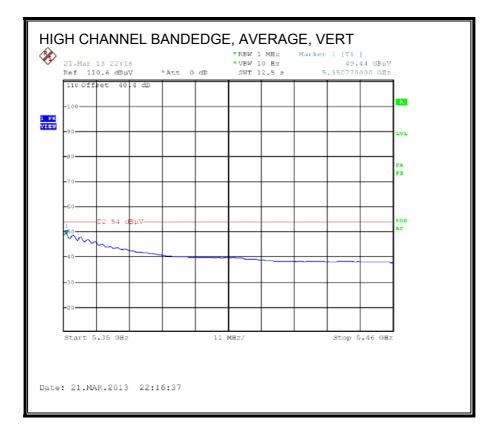
AUTHORIZED BANDEDGE (HIGH CHANNEL)





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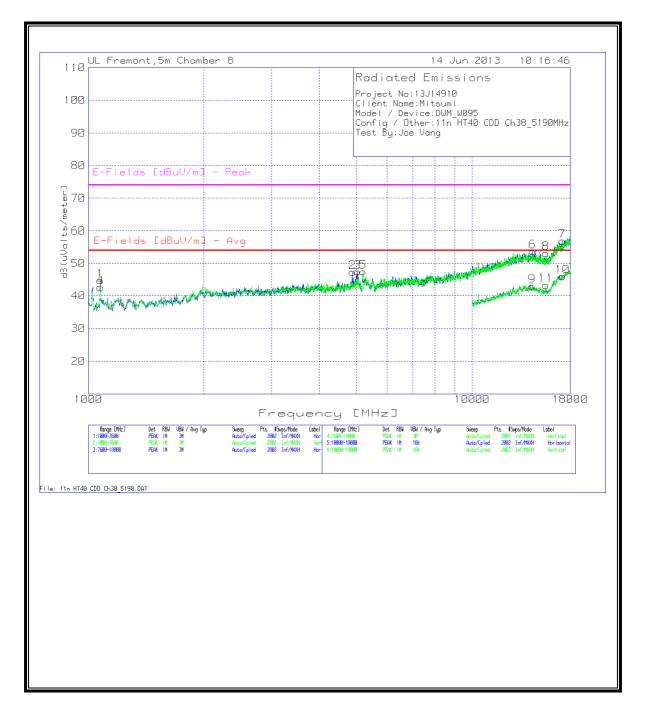




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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 38 GRAPH



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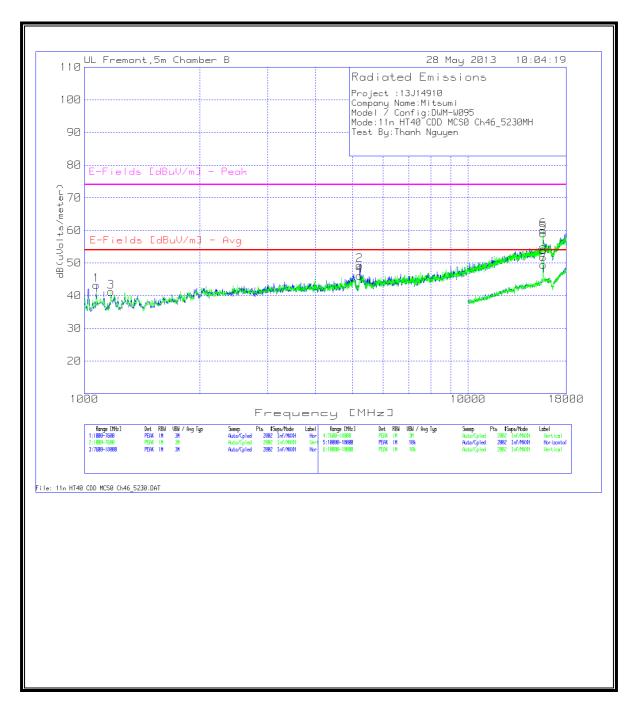
LOW CHANNEL 38 DATA

Marker No.	0 - 7600MHz Test Frequency	Meter Reading	Detector	T345 Ant Factor	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Reading	E-Fields [dBuV/m] -	Average Margin (dB)	E-Fields [dBuV/m] -	Peak Margin (dB)	Height [cm]	Polarity
	(MHz)	(dBuV)		[dB/m]				dB(uVolts/m eter)	Avg		Peak			
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 5020.69	40.31 39.68	PK PK	34.6 34.6	-34.9 -34.9	7.1	0.2	47.31 47.48	53.97 53.97	-6.66 -6.49	74 74	-26.69 -26.52	200 200	Horz Horz
ertical 1000 - Marker No.	7600MHz Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Faster	T159 BRF [dB]	Corrected	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
varker No.	Frequency (MHz)	Reading (dBuV)	Detector	Factor [dB/m]	Gain [dB]	[dB]	112a BKF [0B]	Reading dB(uVolts/m eter)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(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	РК	34.8	-34.9	7.4	0.9	47.48	-	-	68.2	-20.72	200	Vert
orizontal 760	0 - 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/m eter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
6	14367.016 17178.811	33.45 32.36	PK PK	39.6 41.6	-32.4 -31.7	12.8 14.4	0.3	53.75 56.96			74 74	-20.25 -17.04	100 100	Horz Horz
/	1/1/8.811	32.30	PK	41.0	-31.7	14.4	0.3	50.90		-	/4	-17.04	100	HOLS
ertical 7600 -														
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/m eter)	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
orizontal 100	00 - 18000MHz													
Marker No.	Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T192 HPF [dB]	Corrected	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
	Frequency (MHz)	Reading (dBuV)		Factor [dB/m]	Gain [dB]	[dB]		Reading dB(uVolts/m eter)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)		
9 10	14333.833 17196.402	22.6 21.21	PK PK	39.6 41.6	-32.4 -31.7	12.8 14.4	0.3	42.9 45.91		-	68.2 68.2	-25.3	100 200	Horz
10	17190.402	21.21	PK	41.0	-31.7	14.4	0.4	43.31			00.2	-22.23	200	HOIZ
ertical 10000														
Marker No.	Test Frequency (MHz)	Meter Reading(dBu V)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	Corrected Reading dB(uVolts/m eter)	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
K - Peak dete P - Quasi-Pe v - Average (ak detector	<u> </u>		I	1									

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REPORT NO: 13J14910-6 FCC ID: EW4DWMW095A

HIGH CHANNEL 46 GRAPH



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HIGH CHANNEL 46 DATA

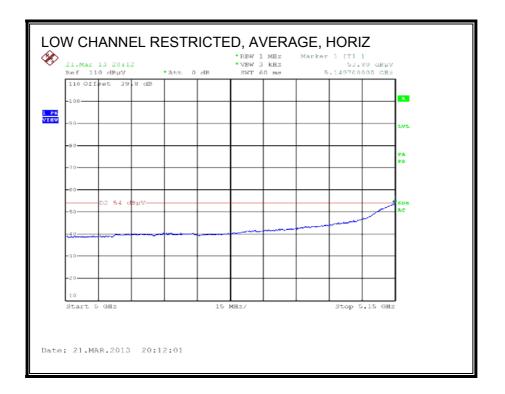
Test													
Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	Corrected Reading dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarit
1075.862	48.15	PK	27.8	-35.9	3.2	0	43.25	53.97	-10.72	74	-30.75	100	Horz
5215.292	41.05	PK	34.9	-34.9	7.4	0.9	49.35		340	68.2	-18.85	200	Horz
7600MHz													
Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]		E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarit
1174.813	45.42	PK	28.2	-35.7	3.3	0	41.22	53.97	-12.75	74	-32.78	200	Vert
5218.591	37.74	PK	34.9	-34.9	7.4	0.9	46.04	14 - C	1	68.2	-22.16	200	Vert
0 - 18000MHz								<u> </u>	1				
Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF (dB)		E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarit
15676.762	36.79	РК	41.2	-32.9	13.6	0.4	59.09		-	74	-14.91	100	Horz
18000MHz													
Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]		E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarit
15687.156	37.79	PK	41.2	-32.9	13.6	0.4	60.09	-	-	74	-13.91	200	Vert
00 - 18000MHz													
Test Frequency (MHz)	Meter Reading (dBuV)	Detector	T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]		E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarit
15685.157	27.17	РК	41.2	-32.9	13.6	0.4	49.47	53.97	-4.5	74	-24.53	100	Horz
- 18000MHz													
Test	Meter Reading	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]	Polarit
Frequency (MHz)	(dBuV)		[,]										
	1075.862 5215.292 7600MHz Test Frequency (MHz) 1174.813 5218.591 - 18000MHz Test Frequency (MHz) 15676.762 15687.156 15687.156 Frequency (MHz) 15685.157 18000MHz	1075.862 48.15 5215.292 41.05 7600MHz Reading (MHz) Test Meter Reading (dBuV) 1174.813 45.42 5215.591 37.74 20-18000MHz Reading (dBuV) Test Meter Reading (dBuV) 15676.762 36.79 15676.762 36.79 15687.156 37.79 15687.156 37.79 15685.157 27.17 15685.157 27.17 18000MHz 15685.157	1075.862 48.15 PK 5215.222 41.05 PK 7600MHz PK PK 7600MHz Detector PK 7600MHz Reading (MHz) Detector 1174.813 45.42 PK 5218.591 37.74 PK 0-18000MHz PK PK 15676.762 36.79 PK 15676.762 36.79 PK 15687.156 37.79 PK 100.18000MHz Detector PK 15687.156 37.79 PK 100.18000MHz Test Meter Frequency (MHz) Detector 15687.156 37.79 PK PK 15685.157 27.17 PK PK 15685.157 27.17 PK 18000MHz	1075.862 48.15 PK 27.8 5215.292 41.05 PK 34.9 7600MHz Detector T345 Ant Factor [d8/m] 1174.813 45.42 PK 28.2 5215.291 37.74 PK 34.9 1174.813 45.42 PK 28.2 5215.591 37.74 PK 34.9 0-18000MHz - - 34.9 1174.813 45.42 PK 28.2 5215.591 37.74 PK 34.9 0-18000MHz - - - 15676.762 36.79 PK 41.2 15000MHz - - - 15687.156 37.79 PK 41.2 100.18000MHz - - - 12000MHz - - - 15687.156 37.79 PK 41.2 100.18000MHz - - - 12000MHz - - -	1075.862 48.15 PK 27.8 -35.9 5215.292 41.05 PK 34.9 -34.9 7600MHz PK 34.9 -34.9 7600MHz Fest Meter PK 7345 Ant TI45 Preamp 7600MHz Gain [dB] Factor [dB/m] Factor Gain [dB] 1174.813 45.42 PK 28.2 -35.7 5218.591 37.74 PK 28.2 -35.7 5218.591 37.74 PK 34.9 -34.9 1-18000MHz Test Meter Detector T345 Ant T145 Preamp 7600MHz Gain [dB] [dB/m] Gain [dB] Gain [dB] 15676.762 36.79 PK 41.2 -32.9 18000MHz Test Meter Factor Gain [dB] 15687.156 37.79 PK 41.2 -32.9 0 14000000000000000000000000000000000000	1075.862 48.15 PK 27.8 -35.9 3.2 5215.292 41.05 PK 34.9 -34.9 7.4 7600MHz 74 74 74 74 7600MHz 74 74 74 1174.813 45.42 PK 28.2 -35.7 3.3 5218.391 37.74 PK 34.9 -34.9 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 758 Meter Detector T345 Ant T145 Preamp Cable Factor 7600MHz 74	1075.862 48.15 PK 27.8 -35.9 3.2 0 5215.292 41.05 PK 34.9 -34.9 7.4 0.9 7600MHz Fet Reading Detector T345 Ant Factor [dB/m] TJ45 Preamp Gain [dB] Cable Factor T159 BRF [dB] 1174.813 45.42 PK 28.2 -35.7 3.3 0 5218.591 37.74 PK 28.2 -35.7 3.3 0 5218.591 37.74 PK 28.2 -34.9 7.4 0.9 1-18000MHz Test Test Meter (dBuV) Detector T345 Ant Factor [dB/m] TJ45 Preamp Gain [dB] Cable Factor T192 HPF [dB] 15676.762 36.79 PK 41.2 -32.9 13.6 0.4 15000MHz Cable Factor T192 HPF [dB] [dB/m] [dB] [dB] [192 HPF [dB] 15687.156 37.79 PK 41.2 -32.9 13.6 0.4	1075.862 48.15 PK 27.8 -35.9 3.2 0 43.25 5215.222 41.05 PK 34.9 -34.9 7.4 0.9 49.35 7600MHz Fest Meter Detector T345 Ant T345 Preamp Gain [d8] [d8] Cable Factor T159 BRF [d8] Corrected Reading dB(uVolts/meter) 1174.813 45.42 PK 28.2 -35.7 3.3 0 41.22 5215.921 37.74 PK 28.2 -35.7 3.3 0 41.22 5218.591 37.74 PK 34.9 7.4 0.9 46.04 1-1 - - - - - - - 7 K8000MHz Meter Detector T345 Ant T345 Preamp Cable Factor T192 HPF [d8] Corrected Reading dB(uVolts/meter) 15676.762 36.79 PK 41.2 -32.9 13.6 0.4 59.09 15607.156 37.79 PK 41.2 -	1075.862 48.15 PK 27.8 -35.9 3.2 0 43.25 53.97 5215.222 41.05 PK 34.9 -34.9 7.4 0.9 43.25 53.97 7600MHz Fest Meter Reading Detector T345 Ant Factor [dB/m] T145 Preamp Gain [dB] Cable Factor T159 BRF [dB] Corrected Reading dB[uvOlts/meter) E-Fields 1174.813 45.42 PK 28.2 -35.7 3.3 0 41.22 53.97 5218.591 37.74 PK 34.9 7.4 0.9 46.04 - 1174.813 45.42 PK 28.2 -35.7 3.3 0 41.22 53.97 5218.591 37.74 PK 34.9 7.4 0.9 46.04 - 10 1174.5 Preamp Gain [dB] [dB] T192 HPF [dB] Corrected Reading dB[uvOlts/meter) E-Fields 15600MHz Test Meter Detector T345 Ant Factor [dB/m] 1145 P	Introduct Meter PK 27.8 -35.9 3.2 0 43.25 53.97 -10.72 5215.22 41.05 PK 34.9 -34.9 7.4 0.9 49.35 - - 7600MHz Fet Meter Reading Cetector T345 Ant Factor Gain [dB] Cable Factor [159 BRF [dB] Corrected Reading E-Fields Average 1174.813 45.42 PK 28.2 -35.7 3.3 0 41.22 53.97 -12.75 5218.591 37.74 PK 28.2 -35.7 3.3 0 41.22 53.97 -12.75 5218.591 37.74 PK 28.2 -35.7 3.3 0 41.22 53.97 -12.75 5218.591 37.74 PK 28.2 -35.7 3.3 0 41.22 53.97 -12.75 5218.591 37.74 PK 28.2 -35.7 3.3 0 41.22 Average	1075.862 48.15 PK 27.8 -35.9 3.2 0 43.25 53.97 -10.72 74 5215.292 41.05 PK 34.9 -34.9 7.4 0.9 49.35 - - 68.2 600MHz Test Meter Reading (dBW) Detector T345 Ant [aB/m] Gale Factor [aB/m] Gale Factor [aB/m] Corrected Reading (dB/m] - Awg Margin (dB) [dB/w/m] - Peak Average (dB/w/m] - Peak E-Fields (dB/w/m] - Peak Average (dB/w/m] - Paak E-Fields (dB/w/m] - Paak Average (dB/w/m] - Paak E-Fields (dB/w/m] - Paak Average (dB/w/m] - Paak E-Fields (dB/w/m] - Paak Average (dB/w/m] - Paak	Info Info <th< td=""><td>Introduct Introduct <thintroduct< th=""> <thintroduct< th=""> <th< td=""></th<></thintroduct<></thintroduct<></td></th<>	Introduct Introduct <thintroduct< th=""> <thintroduct< th=""> <th< td=""></th<></thintroduct<></thintroduct<>

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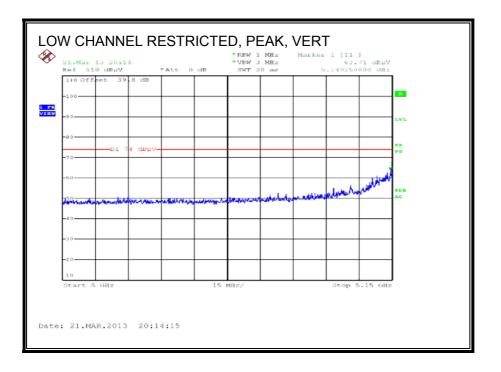
9.6. 802.11n HT40 SDM MCS8 2TX MODE IN THE 5.2 GHz BAND

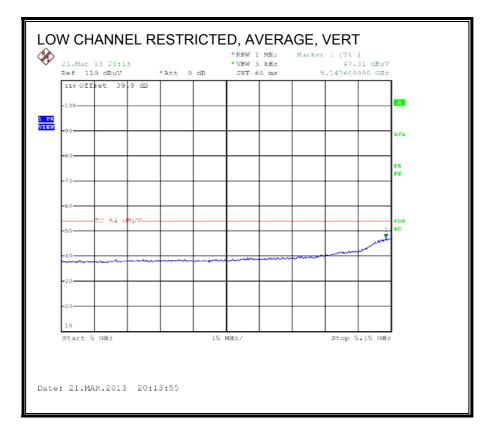
RESTRICTED BANDEDGE (LOW CHANNEL)

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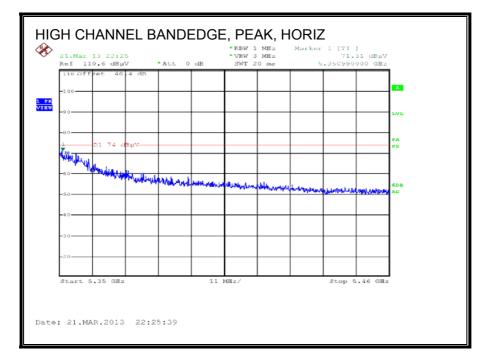


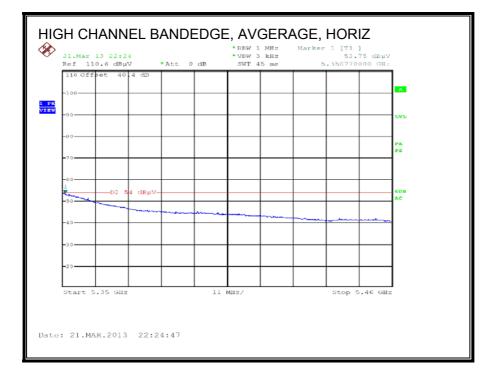


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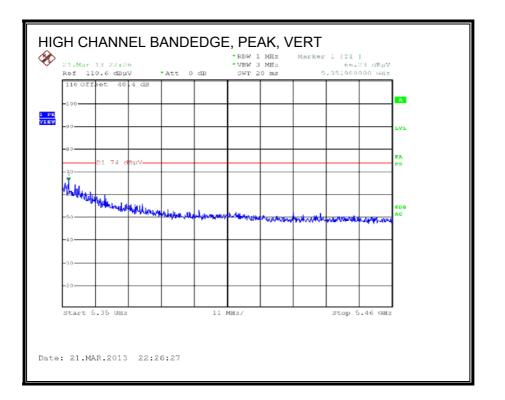
AUTHORIZED BANDEDGE (HIGH CHANNEL)

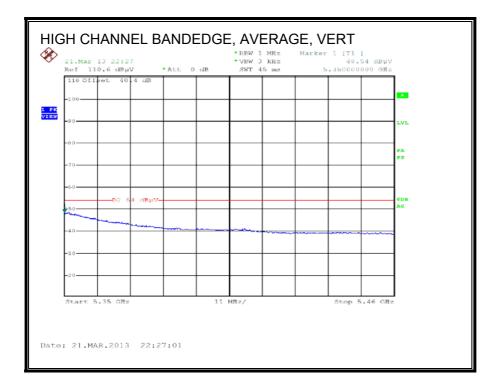




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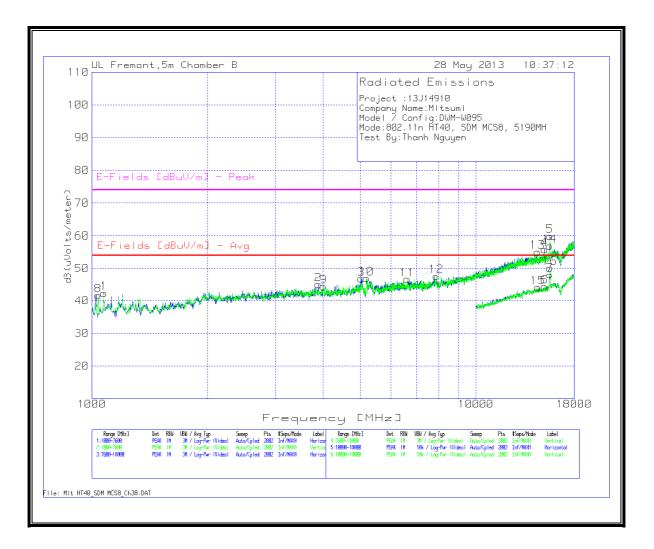


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HARMONICS AND SPURIOUS EMISSIONS

Low Channel



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LOW CHANNEL 38 DATA

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

Marker No.	Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T159 BRF [dB]	dB(uVolts/me	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
	Frequency	Reading		Factor [dB/m]	Gain [dB]	[dB]	Tass one [ao]	ter)	[dBuV/m] -	Margin (dB)	[dBuV/m] -	(dB)	incigin (cini)	, oranty
	(MHz)	(dBuV)							Avg		Peak			
1	1075.862	47.27	РК	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	РК	34.6	-34.9	7.2	0.9	46.83	53.97	-7.14	74	-27.17	200	Horz
/ertical 1000 -	760000411-													
Marker No.	Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	TICO DDC [dD]	dB(uVolts/me	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
Warker NO.	Frequency (MHz)	Reading (dBuV)	Detector	Factor [dB/m]	Gain [dB]	[dB]	1135 BAF [00]	ter)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)	neight [chi]	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
orizontal 760) - 18000MHz													
Marker No.	Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T192 HPF [dB]	dB(uVolts/me	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
	Frequency (MHz)	Reading (dBuV)		Factor [dB/m]	Gain [dB]	[dB]		ter)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)		
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
/ertical 7600 - :	18000MHz				_	_								
Marker No.	Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T192 HPF [dB]	dB(uVolts/me	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
	Frequency (MHz)	Reading (dBuV)		Factor [dB/m]	Gain [dB]	[dB]		ter)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)		
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
lorizontal 1000														
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/me ter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
	15077.461	23.24	PK	40.1	-32.9	13.2	0.7	44.34	-	-	68.2	-23.86	200	Horz
6	13077.401		PK	41	-32.9	13.5	0.3	48.06	53.97	-5.91	74	-25.94	100	Horz
6 7	15573.213	26.16												
		26.16												
7 /ertical 10000 -	15573.213 18000MHz													
7	15573.213 18000MHz Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T192 HPF [dB]	dB(uVolts/me	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
7 /ertical 10000 -	15573.213 18000MHz			T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T192 HPF [dB]	dB(uVolts/me ter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)	Height [cm]	Polarity
7 /ertical 10000 -	15573.213 18000MHz Test Frequency	Meter Reading					T192 HPF [dB]		[dBuV/m] -		[dBuV/m] -		Height [cm]	Polarity Vert

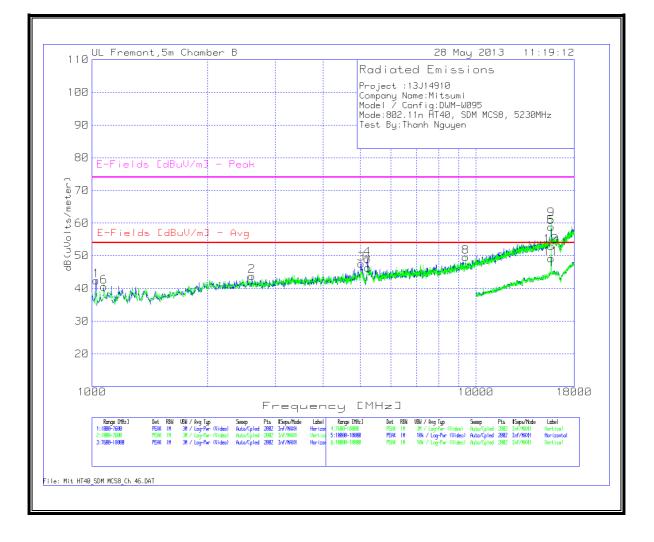
* Fundametal

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

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REPORT NO: 13J14910-6 FCC ID: EW4DWMW095A

High Channel



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HIGH CHANNEL 46 DATA

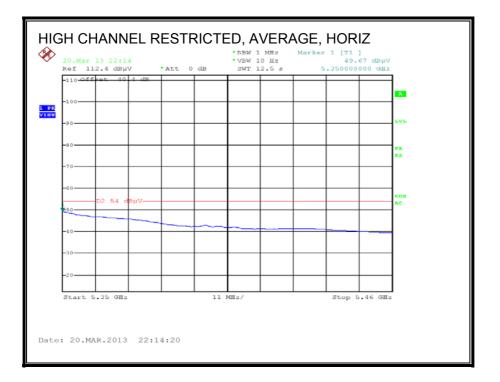
00 - 7600MHz Test Frequency (MHz) 1026.387	Meter Reading	Detector	T345 Ant										
(MHz) 1026.387				T145 Preamp	Cable Factor	T159 BRF [dB]	dB(uVolts/met	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
	(dBuV)		Factor [dB/m]	Gain [dB]	[dB]		er)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)		
	47.78	РК	27.5	-36	3.2	0	42.48	53.97	-11.49	74	-31.52	100	Horz
2609.595	41.43	PK	32.6	-35.1	4.8	0.1	43.83	53.97	-10.14	74	-30.17	100	Horz
5020.69	39.75	PK	34.6	-34.9	7.2	0.9	47.55	53.97	-6.42	74	-26.45	100	Horz
5215.292	40.73	РК	34.9	-34.9	7.4	0.9	49.03	-	-	68.2	-19.17	200	Horz
76000411-													
	Motor	Detector	T24E Ant	T1/E Proamp	Cable Factor	T1C0 DDC [dD]	dR/uVoltr/mot	E. Fields	Δνοτοπο	E. Fields	Roak Margin	Height [cm]	Polarity
(MHz)	Reading	Detettor	Factor	Gain [dB]	[dB]	1133 DIG [00]	er)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)	neight [chi]	Polarity
1075.862	45.45	РК	27.8	-35.9	3.2	0	40.55	53.97	-13.42	74	-33.45	200	Vert
5225.187	38.13	РК	34.9	-34.9	7.4	0.9	46.43	-	-	-	-	200	Vert
	Motor	Dotocto-	T24E Ant	T14E Broams	Cablo Easter	T102 UDE [-I0]	dP/uV/oltr/m-t	E Fields	Average	E Fields	Book Morein	Hoight [cm]	Polarit
(MHz)	Reading	Detector	Factor	Gain [dB]	[dB]	1192 HPF [GB]	er)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)	Height [Chi]	Polarity
15687.156	36.48	РК	41.2	-32.9	13.6	0.4	58.78	-		74	-15.22	100	Horz
- 18000MHz													
Test Frequency		Detector				T192 HPF [dB]						Height [cm]	Polarity
(MHz)				Gain [dB]	[dB]		er)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)		
9398.301			[ub/iii]										
		PK	37.1	-35.1	10.1	0.1	49.66	53.97	-4.31	74	-24.34	200	Vert
	37.46 38.84	PK PK	37.1 41.2	-35.1 -32.9	10.1 13.6	0.1	49.66 61.14	53.97	-4.31	74	-24.34 -12.86	200	Vert Vert
15687.156	37.46 38.84		37.1 41.2	-35.1 -32.9	10.1 13.6		49.66 61.14				-24.34 -12.86		
15687.156 000 - 18000MHz	38.84	РК	41.2	-32.9	13.6	0.4	61.14	-		74	-12.86	200	Vert
15687.156	38.84 Meter Reading		41.2 T345 Ant Factor		13.6	0.4		-	- Average				
15687.156 000 - 18000MHz Test Frequency	38.84 Meter	РК	41.2 T345 Ant	-32.9 T145 Preamp	13.6 Cable Factor	0.4	61.14 dB{uVolts/met	- E-Fields	- Average	74 E-Fields	-12.86 Peak Margin	200	Vert
15687.156 000 - 18000MHz Test Frequency (MHz) 15685.157	38.84 Meter Reading (dBuV)	PK Detector	41.2 T345 Ant Factor [dB/m]	-32.9 T145 Preamp Gain [dB]	13.6 Cable Factor [dB]	0.4 T192 HPF [dB]	61.14 dB(uVolts/met er)	- E-Fields [dBuV/m] - Avg	- Average Margin (dB)	74 E-Fields [dBuV/m] - Peak	-12.86 Peak Margin (dB)	200 Height [cm]	Vert Polarit
15687.156 000 - 18000MHz Test Frequency (MHz) 15685.157 0 - 18000MHz	38.84 Meter Reading (dBuV) 26.89	PK Detector PK	41.2 T345 Ant Factor [dB/m] 41.2	-32.9 T145 Preamp Gain [dB] -32.9	13.6 Cable Factor [dB] 13.6	0.4 T192 HPF [dB] 0.4	61.14 dB{uVolts/met er) 49.19	- E-Fields [dBuV/m] - Avg 53.97	- Average Margin (dB) -4.78	74 E-Fields [dBuV/m] - Peak 74	-12.86 Peak Margin (dB) -24.81	200 Height [cm] 100	Vert Polarity Horz
15687.156 000 - 18000MHz Test Frequency (MHz) 15685.157 - 18000MHz Test Frequency	38.84 Meter Reading (dBuV) 26.89 Meter	PK Detector	41.2 T345 Ant Factor [dB/m] 41.2 T345 Ant	-32.9 T145 Preamp Gain [dB] -32.9 T145 Preamp	13.6 Cable Factor [dB] 13.6 Cable Factor	0.4 T192 HPF [dB] 0.4	61.14 dB(uVolts/met er) 49.19 dB(uVolts/met	- E-Fields [dBuV/m] - Avg 53.97 E-Fields	- Average Margin (dB) -4.78 Average	74 E-Fields [dBuV/m] - Peak 74 E-Fields	-12.86 Peak Margin (dB) -24.81 Peak Margin	200 Height [cm]	Vert Polarity
15687.156 000 - 18000MHz Test Frequency (MHz) 15685.157 0 - 18000MHz	38.84 Meter Reading (dBuV) 26.89 Meter Reading	PK Detector PK	41.2 T345 Ant Factor [dB/m] 41.2 T345 Ant Factor	-32.9 T145 Preamp Gain [dB] -32.9	13.6 Cable Factor [dB] 13.6	0.4 T192 HPF [dB] 0.4	61.14 dB{uVolts/met er) 49.19	- E-Fields [dBuV/m] - Avg 53.97	- Average Margin (dB) -4.78	74 E-Fields [dBuV/m] - Peak 74	-12.86 Peak Margin (dB) -24.81	200 Height [cm] 100	Vert Polarity Horz
15687.156 000 - 18000MHz Test Frequency (MHz) 15685.157 - 18000MHz Test Frequency	38.84 Meter Reading (dBuV) 26.89 Meter	PK Detector PK	41.2 T345 Ant Factor [dB/m] 41.2 T345 Ant	-32.9 T145 Preamp Gain [dB] -32.9 T145 Preamp	13.6 Cable Factor [dB] 13.6 Cable Factor	0.4 T192 HPF [dB] 0.4	61.14 dB(uVolts/met er) 49.19 dB(uVolts/met	- E-Fields [dBuV/m] - Avg 53.97 E-Fields	- Average Margin (dB) -4.78 Average	74 E-Fields [dBuV/m] - Peak 74 E-Fields	-12.86 Peak Margin (dB) -24.81 Peak Margin	200 Height [cm] 100	Vert Polarity Horz
15687.156 00 - 18000MHz Test Frequency (MHz) 15685.157 - 18000MHz Test Frequency (MHz) 15681.159	38.84 Meter Reading (dBuV) 26.89 Meter Reading (dBuV)	PK Detector PK Detector	41.2 T345 Ant Factor [dB/m] 41.2 T345 Ant Factor [dB/m]	-32.9 T145 Preamp Gain [dB] -32.9 T145 Preamp Gain [dB]	13.6 Cable Factor [dB] 13.6 Cable Factor [dB]	0.4 T192 HPF [dB] 0.4 T192 HPF [dB]	61.14 dB(uVolts/met er) 49.19 dB(uVolts/met er)	- E-Fields [dBuV/m] - Avg 53.97 E-Fields [dBuV/m] - Avg	- Average Margin (dB) -4.78 Average Margin (dB)	74 E-Fields [dBuV/m] - Peak 74 E-Fields [dBuV/m] - Peak	-12.86 Peak Margin (dB) -24.81 Peak Margin (dB)	200 Height [cm] 100 Height [cm]	Vert Polarit Horz Polarit
15687.156 000 - 18000MHz Test Frequency (MHz) 15685.157 D- 18000MHz Test Frequency (MHz) 15681.159 - 18000MHz	38.84 Meter Reading (dBuV) 26.89 Meter Reading (dBuV) 30.73	PK Detector PK Detector PK	41.2 T345 Ant Factor [dB/m] 41.2 T345 Ant Factor [dB/m] 41.2	-32.9 T145 Preamp Gain [dB] -32.9 T145 Preamp Gain [dB] -32.9	13.6 Cable Factor [dB] 13.6 Cable Factor [dB] 13.6	0.4 T192 HPF [dB] 0.4 T192 HPF [dB] 0.4	61.14 dB(uVolts/met er) dB(uVolts/met er) 53.03	- E-Fields [dBuV/m] - Avg 53.97 E-Fields [dBuV/m] - Avg 53.97	- Average Margin (dB) -4,78 Average Margin (dB) -0,94	74 E-Fields [dBuV/m] - Peak 74 E-Fields [dBuV/m] - Peak 74	-12.86 Peak Margin (dB) -24.81 Peak Margin (dB) -20.97	200 Height [cm] 100 Height [cm] 200	Vert Polarity Horz Polarity Vert
15687.156 000 - 18000MHz Test Frequency (MHz) 15685.157 - 18000MHz Test Frequency (MHz) 15681.159 - 18000MHz Test Frequency	38.84 Meter Reading (dBuV) 26.89 Meter Reading (dBuV) 30.73 Meter	PK Detector PK Detector	41.2 T345 Ant Factor [d8/m] 41.2 T345 Ant Factor [d8/m] 41.2 T345 Ant	-32.9 T145 Preamp Gain [dB] -32.9 T145 Preamp Gain [dB] -32.9 T145 Preamp	13.6 Cable Factor [dB] 13.6 Cable Factor [dB] 13.6 Cable Factor	0.4 T192 HPF [dB] 0.4 T192 HPF [dB] 0.4	61.14 dB(uVolts/met er) dB(uVolts/met er) 53.03 dB(uVolts/met	E-Fields [dBuV/m] - Avg 53.97 E-Fields [dBuV/m] - Avg 53.97 E-Fields	Average Margin (dB) -4.78 Average Margin (dB) -0.94 Average	74 E-Fields [dBuV/m] - Peak 74 E-Fields [dBuV/m] - Peak 74 E-Fields	-12.86 Peak Margin (dB) -24.81 Peak Margin (dB) -20.97 Peak Margin	200 Height [cm] 100 Height [cm]	Vert Polarity Horz Polarity
15687.156 000 - 18000MHz Test Frequency (MHz) 15685.157 D- 18000MHz Test Frequency (MHz) 15681.159 - 18000MHz	38.84 Meter Reading (dBuV) 26.89 Meter Reading (dBuV) 30.73	PK Detector PK Detector PK	41.2 T345 Ant Factor [dB/m] 41.2 T345 Ant Factor [dB/m] 41.2	-32.9 T145 Preamp Gain [dB] -32.9 T145 Preamp Gain [dB] -32.9	13.6 Cable Factor [dB] 13.6 Cable Factor [dB] 13.6	0.4 T192 HPF [dB] 0.4 T192 HPF [dB] 0.4	61.14 dB(uVolts/met er) dB(uVolts/met er) 53.03	- E-Fields [dBuV/m] - Avg 53.97 E-Fields [dBuV/m] - Avg 53.97	- Average Margin (dB) -4,78 Average Margin (dB) -0,94	74 E-Fields [dBuV/m] - Peak 74 E-Fields [dBuV/m] - Peak 74	-12.86 Peak Margin (dB) -24.81 Peak Margin (dB) -20.97	200 Height [cm] 100 Height [cm] 200	Vert Polarity Horz Polarity Vert
	1075.862 1075.862 0 - 18000MHz Test Frequency (MHz) 15687.156 - 18000MHz Test Frequency (MHz)	Test Frequency (MHz) Meter (Reading (dBuv) 1075.862 45.45 5225.187 38.13 00 - 18000MHz Meter (MHz) Test Frequency (MHz) Meter (dBuV) 15687.156 36.48 18000MHz Test Frequency (MHz) Test Frequency (MHz) Meter (dBuV)	Test Frequency (Mitz) Meter Reading (dBuV) Detector 1075.862 45.45 PK 5225.187 38.13 PK 0 38.00MHz PK Test Frequency (Mitz) Meter (eading (dBuV) Detector 15057.156 36.48 PK -18000MHz Test Frequency (Mitz) Detector 15657.156 36.48 PK -18000MHz Test Frequency (Mitz) Detector	Test Frequency (MHz) Meter Reading (dBuV) Detector (dBuV) T345 Ant Factor 1075.862 45,45 PK 27.8 5225.187 38.13 PK 34.9 00<:8000MHz	Test Frequency (MHz) Meter Reading (dBuv) Detector T345 Ant Factor (dBuv) T345 Preamp Gain (dB) 1075.862 45.45 PK 27.8 -35.9 5225.187 38.13 PK 27.8 -34.9 00 - 18000MHz 0 -30.9 -34.9 Test Frequency (MHz) Meter (dBuv) Detector (dBuv) T345 Ant Factor Gain (dB) T145 Preamp Gain (dB) 15687.156 36.48 PK 41.2 -32.9 -18000MHz Test Frequency (MHz) Meter Reading Detector Factor T345 Ant Factor Gain (dB)	Test Frequency (Mirz) Meter Reading (dBuv) Detector T345 Annt Factor T145 Preamp Gain (dB) Cable Factor (dB) 1075.862 45.45 PK 27.8 -35.9 3.2 5225.187 38.13 PK 34.9 -34.9 7.4 00 - 18000MHz 0 0 Factor Gain (dB) (dBvv) (dB) (dB) 1055.862 45.45 PK 27.8 -35.9 3.2 0 - 18000MHz 0 -34.9 -34.9 7.4 0 - 18000MHz 0 Edetector T345 Ant Factor T145 Preamp Gain (dB) Cable Factor (dBvv) -18000MHz 15657.156 36.48 PK 41.2 -32.9 13.6 -18000MHz 1545 Ant (Mirz) T145 Preamp Reading Cable Factor Gain (dB) Cable Factor -18000MHz Reading Detector T345 Ant Factor T145 Preamp Gain (dB) Cable Factor	Test Frequency (MHz) Meter Reading (dBuy) Detector Factor (dBuy) T345 Ant Factor (dB/m] T345 Preamp (dB) Cable Factor (dB) T159 BRF [dB] (dB) 1075.862 45.45 PK 27.8 -35.9 3.2 0 5225.187 38.13 PK 27.8 -34.9 7.4 0.9 0 0.5000MHz 0.5000MHz 0.5000MHz 6aln [dB] [dB/m] 1192 HPF [dB] 15587.156 36.48 PK 41.2 -32.9 13.6 0.4 -18000MHz 15687.156 36.48 PK 41.2 -32.9 13.6 0.4 <	Test Frequency (MHz) Meter Reading (dBuvy) Detector (dBuvy) T345 Ant (dBd/m) T345 Preamp (abl (dB) Cable Factor (dB) T159 BR [dB] (dB) db[duvlolt/met er] 1075.862 45.45 PK 27.8 -35.9 3.2 0 40.55 5225.187 38.13 PK 34.9 -34.9 7.4 0.9 46.33 0 1000 Hitz 0 -34.9 7.4 0.9 46.43 0 1000 Hitz East Frequency (MHz) Meter Reading (dBuvy) Detector (dBuvy) T345 Ant Factor T345 Preamp Gain [dB] Cable Factor T192 HPF [dB] dB(uv)olts/met er) 150800MHz 56.78 -	Test Frequency (MHz) Meter Reading (dBuv) Detector (dBuv) T345 Ant (dBv) T345 Preamp (ab/m) Cable Factor (dBv) T159 BR [dB] (dB) db[uvolts/met] (dB v/m] E-Fields (dBuv/m] 1075.862 45.45 PK 27.8 -35.5 3.2 0 40.55 53.97 5225.187 38.13 PK 34.9 -34.9 7.4 0.9 46.43 - 0<:8000MHz	Test Frequency (MHz) Meter Reading (dBuv) Detector (dB/m) T345 Preamp (dB/m) Cable Factor (dB/m) T159 BRF (dB) (dB dB(uvolts/met er) E-Fields (BB/v/m) - Avg Average Margin (dB) 1075.862 45.45 PK 27.8 -35.9 3.2 0 40.55 53.97 -13.42 5225.187 38.13 PK 34.9 -34.9 7.4 0.9 46.43 - - 0<18000MHz	Test Frequency (MHz) Meter Reading (dBW/m) Detector (GB/m) T345 Ant Factor (GB/m) T145 Preamp Gain (dB) (dB) Cable Factor (dB) T159 BRF (dB) (dB) dB(UvOlts/met BaV/m) - Avg 46.43 E-Fields Margin (dB) Average (dBuV/m) - Peak 1075.862 45.45 PK 27.8 -35.9 3.2 0 40.55 53.97 -13.42 74 1075.862 45.45 PK 27.8 -35.9 3.2 0 40.55 53.97 -13.42 74 5225.187 38.13 PK 34.9 7.4 0.9 46.43 - - - 0 - 18000MHz 0 500 Gain (BB) [dB] [dB] E-Fields (BuV/m) - Avg Average Margin (dB) E-Fields (BuV/m) - Peak 15687.156 36.48 PK 41.2 -32.9 13.6 0.4 58.78 - - 74 - - - - - - 74 - 74 15687.156 36.48 PK 41.2 -32.9 13.6	Test Frequency (MHz) Meter Reading (dBuV) Detector (abm) T345 Ant Factor (dBuV) T145 Preamp (abm) Cable Factor (dBuV) T159 BRF (dB) (dBuV/m) - Avg dE-Fields (dBuV/m) - Avg Average (dBuV/m) - Avg E-Fields (dBuV/m) - Peak (dBuV/m) - Peak Average (dB) E-Fields (dBuV/m) - Peak Average (dB) E-Fields (dB) Average (dB)	Test Frequency (MHz) Meter Reading (dBuv/ (dBuv/) Detector Factor (dB/m) T345 Ant Factor (dB/m) T345 Preamp (dB) Cable Factor (dB) T159 BFF [dB] (dB) dB(uVolts/met er) E-Fields (dBuv/m) - Avg Average Margin (dB) E-Fields (dBuv/m) - Peak Peak Margin (dB) Height [cm] 1075-862 45.45 PK 27.8 -35.9 3.2 0 40.55 53.97 -13.42 74 -33.45 200 5225.187 38.13 PK 29.49 7.4 0.9 46.43 - - - - 200 0-18000MHz 0-18000MHz E-Fields (dB/m) Average (dB/m) E-Fields (dB/m) Av

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

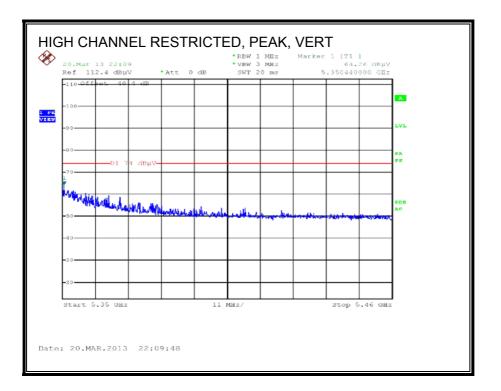
RESTRICTED BANDEDGE (HIGH CHANNEL)

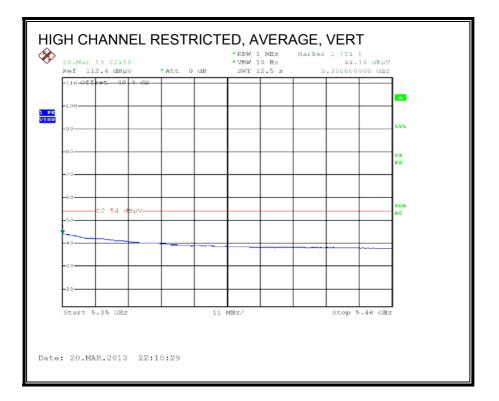
IGH CHANNEL RESTRICTED, PEAK, HORIZ Marker 1 [T1] 60.64 dBµV 5.352640000 GHz **X** • RBW 1 MEz • VBW 3 MEz 20.Mar 13 22:15 Ref 112.4 dBuV ·Att 0 dB SWT 10.3 -110-055 1 PK VIEW -01 dBuV MANN العرجير فالمطول ومعالم المسارطات والمسالية المراجع المستعمل المستعمل المستعمل المستعمل المستعمل المستعمر المستعم 5DE J Stop 5.46 GHz Start 5.35 GHz 11 MHz/ Date: 20.MAR.2013 22:15:24



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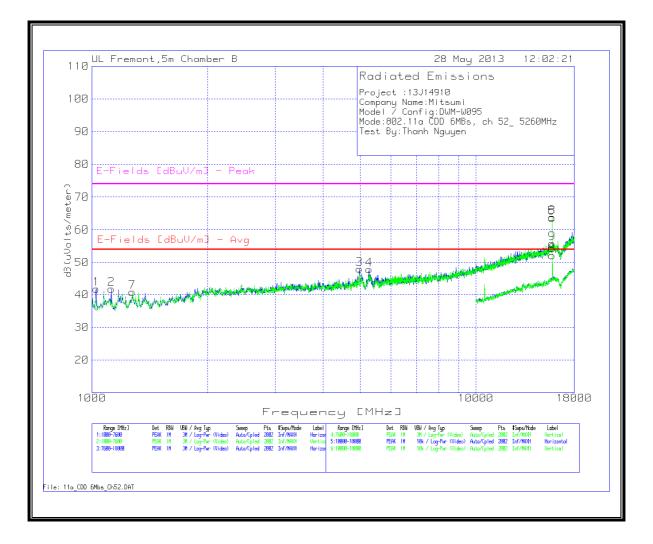


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HARMONICS AND SPURIOUS EMISSIONS

Low Channel



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LOW CHANNEL 52 DATA

	il 1000 - 7600	MHz												
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T159 BRF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency	Reading		Factor	Preamp	Factor	[dB]	/meter)	[dBuV/m]	(dB)	[dBuV/m]	(dB)	[cm]	
	(MHz)	(dBuV)		[dB/m]	Gain [dB]	[dB]			- Avg		- Peak			
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	РК	34.9	-34.9	7.4	0.9	47.84	-	-	-	-	100	Horz
Marker	000 - 7600M Test	Meter	Detector	T345 Ant	T145	Cable	T159 BRF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency	Reading	Detettor	Factor	Preamp	Factor	[dB]	/meter)	[dBuV/m]	(dB)	[dBuV/m]	(dB)	[cm]	Polarity
10.	(MHz)	(dBuV)		[dB/m]	Gain [dB]	[dB]		,meter,	- Avg	(00)	- Peak	(ub)	[ciii]	
7	1273.763	44.4	РК	28.6	-35.6	3.4	0	40.8	-	-	68.2	-27.4	200	Vert
	l 7600 - 1800													
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T192 HPF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency (MHz)	Reading (dBuV)		Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	/meter)	[dBuV/m] - Avg	(dB)	[dBuV/m] - Peak	(dB)	[cm]	
5	15775.512	41.47	РК	41.3	-32.9	13.6	0.2	63.67	-	-	74	-10.33	100	Horz
Vertical 7	600 - 18000N	1Hz												
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T192 HPF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency (MHz)	Reading (dBuV)		Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	/meter)	[dBuV/m] - Avg	(dB)	[dBuV/m] - Peak	(dB)	[cm]	
8	15780.71	41.67	РК	41.3	-32.9	13.6	0.2	63.87	-	-	74	-10.13	200	Vert
Horizonta	l 10000 - 180	00MHz												
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T192 HPF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency (MHz)	Reading (dBuV)		Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	/meter)	[dBuV/m] - Avg	(dB)	[dBuV/m] - Peak	(dB)	[cm]	
6	15785.107	30.05	РК	41.3	-32.9	13.6	0.2	52.25	53.97	-1.72	74	-21.75	100	Horz
Vertical 1	0000 - 18000	MHz												
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T192 HPF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency (MHz)	Reading (dBuV)		Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	/meter)	[dBuV/m] - Avg	(dB)	[dBuV/m] - Peak	(dB)	[cm]	
9	15781.109	33.69	РК	41.3	-32.9	13.6	0.2	55.89	53.97	1.92	74	-18.11	200	Vert
Horizonta	l 10000 - 180	00MHz												
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T192 HPF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency (MHz)	Reading (dBuV)		Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	/meter)	[dBuV/m] - Avg	(dB)	[dBuV/m] - Peak	(dB)	[cm]	
	15781.1	27.42	Av	41.3	-32.9	13.6	0.2	49.62	53.97	-4.35	-	-	156	Horz
6							<u> </u>						<u> </u>	
	0000 - 1 8000	MHz			T145	Cable	T192 HPF	dB(uVolts	E-Fields	Margin	E-Fields	Margin	Height	Polarity
	0000 - 18000 Test	MHz Meter	Detector	T345 Ant	1145			/meter)	[dBuV/m]	(dB)	[dBuV/m]	(40)		
Vertical 1			Detector	T345 Ant Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	/meter)	- Avg	(00)	- Peak	(dB)	[cm]	

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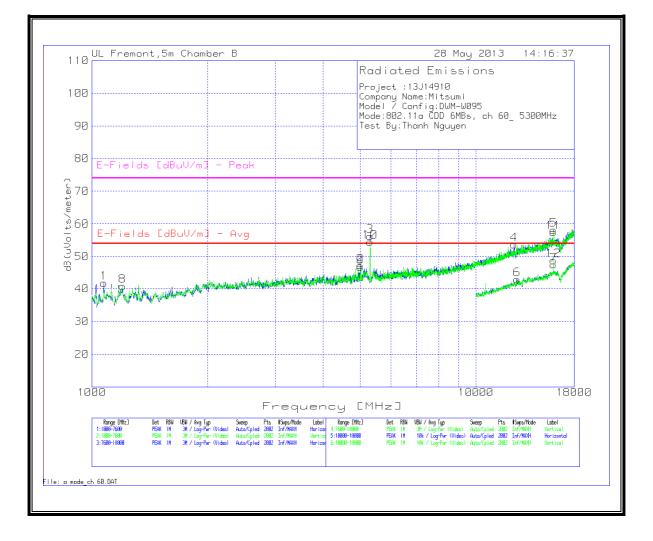
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REPORT NO: 13J14910-6 FCC ID: EW4DWMW095A

Mid Channel



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MID CHANNEL 60 DATA

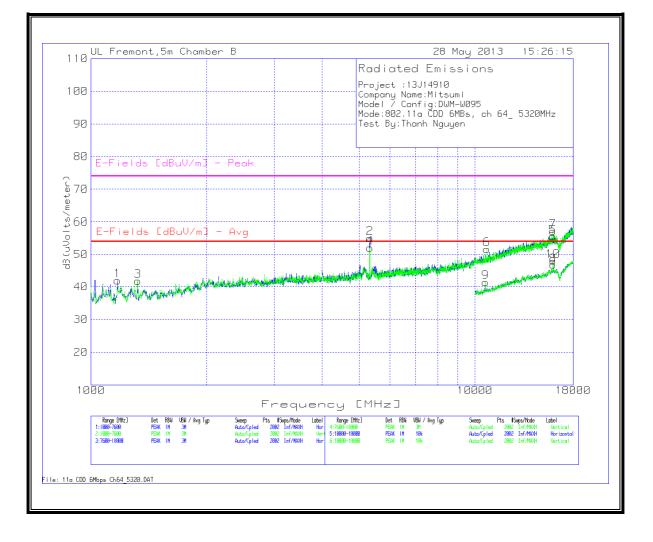
Project :13J149 Company Nam														
Model / Config														
	CDD 6MBs, ch 60	5300MHz												
est By:Thanh I		-												
-														
orizontal 1000	- 7600MHz													
Marker No.	Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T159 BRF [dB]	dB(uVolts/	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarit
	Frequency	Reading		Factor [dB/m]	Gain [dB]	[dB]		meter)	[dBuV/m] -	Margin (dB)	[dBuV/m] -	(dB)		
	(MHz)	(dBuV)							Avg		Peak			
1	1075.862	46.62	РК	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	РК	34.9	-34.9	7.4	0.9	56.26	-	-	-		200	Horz
/ertical 1000 -														
Marker No.	Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T159 BRF [dB]	dB(uVolts/me	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarit
	Frequency	Reading		Factor [dB/m]	Gain [dB]	[dB]		ter)	[dBuV/m] -	Margin (dB)	[dBuV/m] -	(dB)		
									Avg		Peak			
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	РК	34.9	-34.9	7.4	0.9	54.49	-	-	-		200	Vert
Iorizontal 760	400000													
Marker No.		Meter	D-1-1-	T345 Ant	T145 Preamp	Cable Factor	7402 105 1401	dB(uVolts/me	E-Fields		E-Fields	Peak Margin	Height [cm]	Polarity
Marker No.	Test		Detector	Factor [dB/m]		[dB]	1195 Hht [gB]			Average Margin (dB)		· ·	Height [cm]	Polarity
	Frequency	Reading		Factor [dB/m]	Gain [dB]	[as]		ter)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)		
4	12547.926	35.03	РК	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	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T192 HPF [dB]	dB(uVolts/me	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
	Frequency	Reading		Factor [dB/m]	Gain [dB]	[dB]		ter)	[dBuV/m] -	Margin (dB)	[dBuV/m] -	(dB)	-	
									Avg		Peak			
11	15900.25	34.91	PK	41.5	-32.9	13.7	0.2	57.41	-	-	74	-16.59	200	Vert
Horizontal 1000	00 - 18000MHz	-				-		-						
Marker No.	Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T192 HPF [dB]	dB(uVolts/me	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
	Frequency	Reading		Factor [dB/m]	Gain [dB]	[dB]		ter)	[dBuV/m] -	Margin (dB)	[dBuV/m] -	(dB)		
									Avg		Peak			
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								and so to d						
Marker No.	Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T192 HPF [dB]	dB(uVolts/me	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
	Frequency	Reading		Factor [dB/m]	Gain [dB]	[dB]		ter)	[dBuV/m] -	Margin (dB)	[dBuV/m] - Peak	(dB)		
12	15897.051	26.27	РК	41.5	-32.9	13.7	0.2	48.77	Avg 53.97	-5.2	74 74	-25.23	200	Vert
12	13897.031	20.27	PK	41.5	-32.9	15.7	0.2	40.77	35.97	-3.2	/4	-23.25	200	ven
/ertical 10000	18000MHz					1		1						
Marker No.	Test	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T102 UDE [dp]	dB(uVolts/me	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarit
market NO.	Frequency	Reading	Delettor	Factor [dB/m]	Gain [dB]	[dB]	I I SZ NPF [UB]	ter)	[dBuV/m] -	Margin (dB)	[dBuV/m] -	(dB)	neight [chi]	Folant
	requency	Reading		ractor [ub/m]	Sam [ub]	[ub]		(er)	Avg	margin (dB)	Peak	(08)		
12	15894.59	23.59	Av	41.5	-32.9	13.7	0.2	46.09	53.97	-7.88	Pedk		188	Vert
14	13034.33	23.33	~~~	41.5	-36.3	13.7	0.4	40.05	33.37	-7.00			100	vert

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

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High Channel



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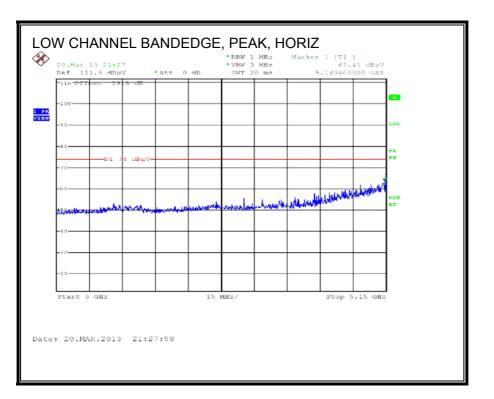
HIGH CHANNEL 64 DATA

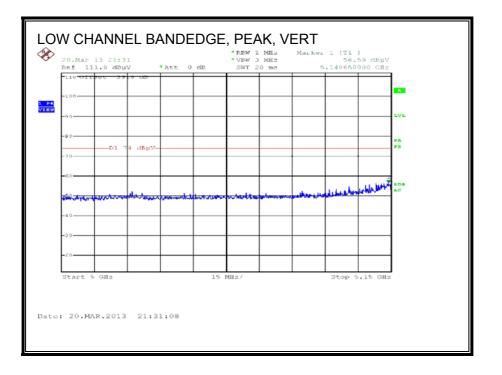
Project :13 Company	3J14910 Name:Mits	umi												
	onfig:DWM													
	.11a CDD 6M		5320MH	z										
	anh Nguyei		-											
	• •													
	1000 - 7600													
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T159 BRF	Corrected	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency	Reading		Factor	Preamp	Factor [dB]	[dB]	Reading	[dBuV/m]	(dB)	[dBuV/m]	(dB)	[cm]	
	(MHz)	(dBuV)		[dB/m]	Gain [dB]	[UB]		dB(uVolts /meter)	- Avg		- Peak			
								metery						
1	1174.813	46.05	РК	28.2	-35.7	3.3	0	41.85	53.97	-12.12	74	-32.15	200	Horz
*2	5324.138	46.61	РК	34.9	-34.9	7.5	0.9	55.01	-	-	-	-	100	Horz
	000 - 7600M													
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T159 BRF	Corrected	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency			Factor	Preamp	Factor	[dB]	Reading	[dBuV/m]	(dB)	[dBuV/m]	(dB)	[cm]	
		(dBuV)		[dB/m]	Gain [dB]	[dB]		dB(uVolts /meter)	- Avg		- Peak			
								/meter)						
3	1326.537	45.26	РК	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
	7600 - 1800						-							
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T192 HPF	Corrected	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency	(dBuV)		Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	Reading dB(uVolts	[dBuV/m]	(dB)	[dBuV/m] - Peak	(dB)	[cm]	
		(ubuv)		[ub/iii]	Gain [ub]	[ub]		/meter)	- Avg		- Peak			
								/						
5	15962.619	32.61	РК	41.6	-32.9	13.7	0.5	55.51	-	-	74	-18.49	100	Horz
	500 - 18000N													
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T192 HPF	Corrected	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency	(dBuV)		Factor [dB/m]	Preamp Gain [dB]	Factor [dB]	[dB]	Reading dB(uVolts	[dBuV/m] - Avg	(dB)	[dBuV/m] - Peak	(dB)	[cm]	
		(abav)		[ub/m]	Gam [ab]	[ub]		/meter)	<u>ст</u> б		- Cun			
6	10728.836	36.19	РК	38.3	-34.2	10.9	0.5	51.69	-	-	74	-22.31	100	Vert
7	15957.421	34.46	РК	41.5	-32.9	13.7	0.4	57.16	-	-	74	-16.84	200	Vert
	10000 - 180													
Marker	Test	Meter	Detector	T345 Ant	T145	Cable	T192 HPF	Corrected	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency	-		Factor	Preamp	Factor	[dB]	Reading	[dBuV/m]	(dB)	[dBuV/m]	(dB)	[cm]	
		(dBuV)		[dB/m]	Gain [dB]	[dB]		dB(uVolts /meter)	- Avg		- Peak			
8	15965.017	23.81	РК	41.6	-32.9	13.7	0.5	46.71	53.97	-7.26	74	-27.29	100	Horz
-														
Vertical 10	0000 - 18000	MHz												
Marker	Test	Meter	Detector		T145	Cable	T192 HPF	Corrected	E-Fields	Margin	E-Fields	Margin	Height	Polarity
No.	Frequency	-		Factor	Preamp	Factor	[dB]	Reading	[dBuV/m]	(dB)	[dBuV/m]	(dB)	[cm]	
		(dBuV)		[dB/m]	Gain [dB]	[dB]		dB(uVolts	- Avg		- Peak			
9	10639.68	26.4	PK	38.3	-34.3	10.8	0.2	/meter) 41.4	53.97	-12.57	74	-32.6	200	Vert
10	15965.017	25.09	PK	41.6	-34.3	10.8	0.2	41.4	53.97	-12.57	74	-32.0	200	Vert
										2.00				
* Fundame PK - Peak e														
	i-Peak dete age detecto													

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

AUTHORIZED BANDEDGE (LOW CHANNEL)

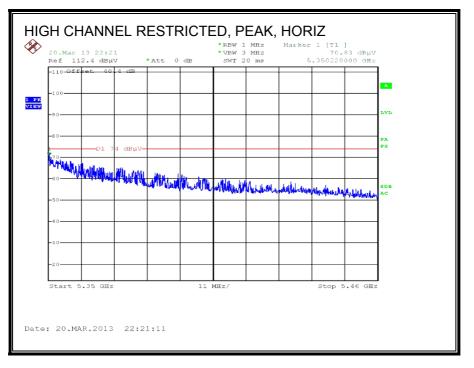


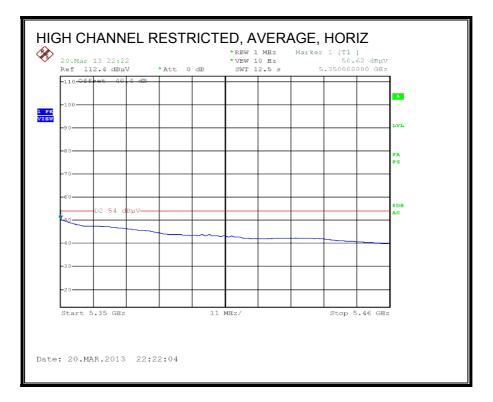


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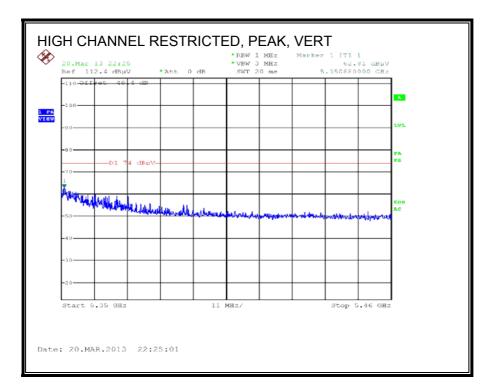
RESTRICTED BANDEDGE (HIGH CHANNEL

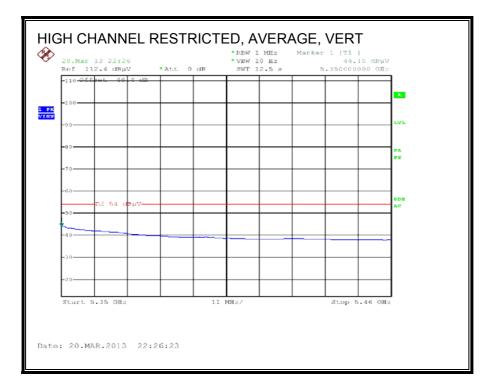




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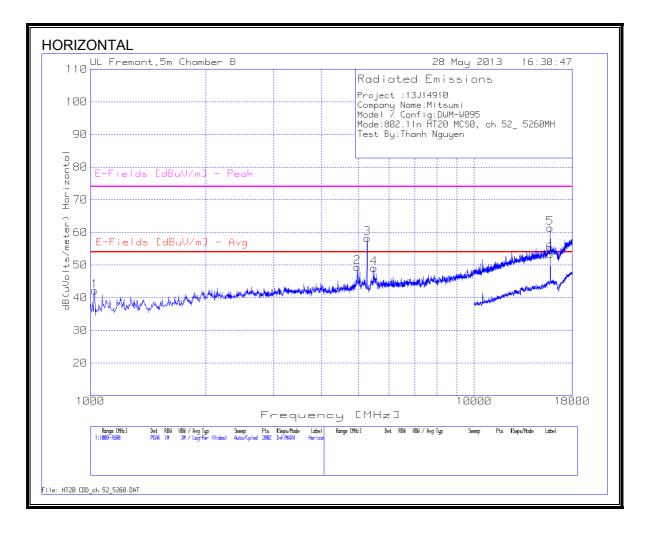


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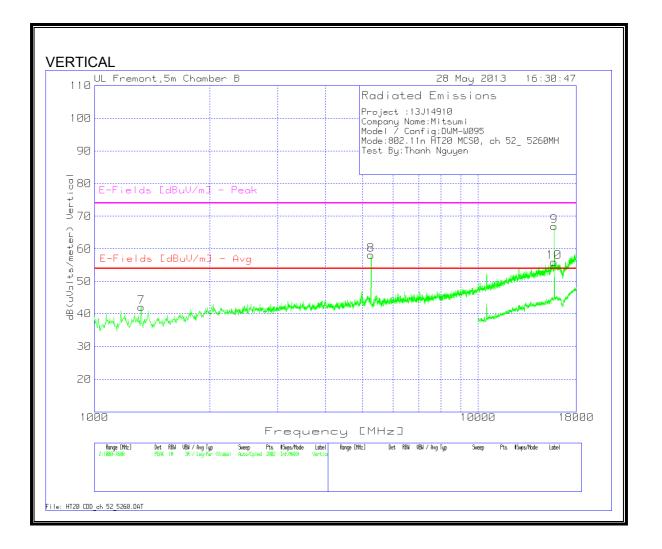
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HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL GRAPH



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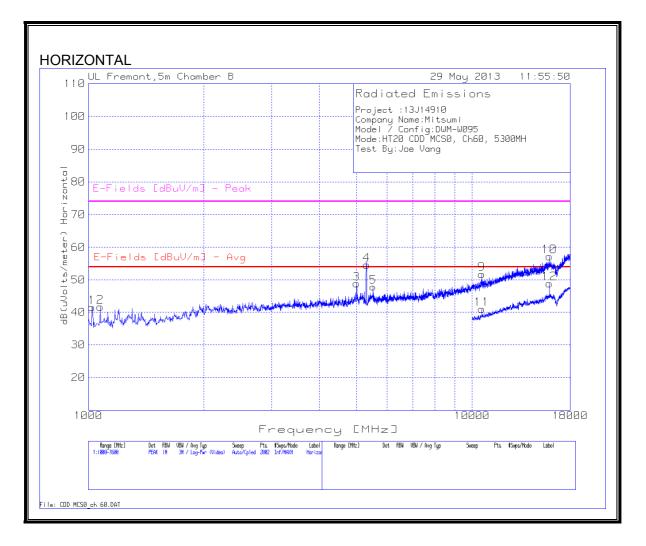
LOW CHANNEL 52 DATA

- 7600MHz Test Frequency (MHz)	Meter	,											
	Reading	Detector	T345 Ant Factor	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
	(dBuV)		[dB/m]	Gamtabl	[uo]		metery	[apart/m] - wag	margin (up)	[ubuv/iii] - Feak	(ub)		
1026.387	47.41	РК	27.5	-36	3.2	0	42.11	53.97	-11.86	74	-31.89	158	Horz
4958.021	42.14	PK	34.6	-34.9	7.2	0.3	49.34	53.97	-4.63	74	-24.66	158	Horz
5264.768 5479.16	49.95	PK PK	34.9 34.9	-34.9	7.4	0.9	58.25			68.2	-19.17	200	Horz
7600MHz Test Frequency	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	TICO PPT [dp]	dB(uVolts/	E-Fields	Auorago	E-Fields	Book Morain	Height [cm]	Polarit
(MHz)	Reading	Detector	Factor	Gain [dB]	[dB]	1123 PKL [00]	meter)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)	neight [chi]	Polarie
1326.537	45.6	PK	28.5	-35.5	3.5	0	42.1	53.97	-11.87	74	-31.9	200	Vert
5261.469	49.81	PK	34.9	-34.9	7.4	0.9	58.11	•	-	-	-	200	Vert
- 18000MHz													
Test Frequency (MHz)	Meter Reading	Detector	T345 Ant Factor	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
15775 512		DK.		-32.9	12.6	0.2	61.42			74	-12 57	100	Horz
13773.312	33.23	Ph	41.5	-32.7	15.0	0.2	01.45			74	-12.57	100	HOIZ
L8000MHz													
Test Frequency (MHz)	Reading	Detector	Factor	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
15780.71	44.77	РК	41.3	-32.9	13.6	0.2	66.97		-	74	-7.03	200	Vert
0.180005414													
Test Frequency	Meter	Detector	T345 Ant	T145 Preamp	Cable Factor	T159 BRF [dB]	dB(uVolts/	E-Fields	Average	E-Fields	Peak Margin	Height [cm]	Polarity
(MHz)	Reading (dBuV)		Factor [dB/m]	Gain [dB]	[dB]		meter)	[dBuV/m] - Avg	Margin (dB)	[dBuV/m] - Peak	(dB)		
15775.512	31.13	РК	41.3	-32.9	13.6	0.2	53.33	53.97	-0.64	74	-20.67	100	Horz
18000MHz					0 1								
Test Frequency (MHz)	Meter Reading	Detector	T345 Ant Factor	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
			[dB/m]			0.2	55.98	53.97	2.01	74	-18.02		11-1
15780.71	(dBuV) 33.78	РК	41.3	-32.9	13.6	0.2					-10.02	200	Vert
	(dBuV)	РК		-32.9	13.6	0.2					-10.02	200	vert
0 - 18000MHz	(dBuV) 33.78		41.3					r ri-tde					
	(dBuV)	PK Detector	41.3 T345 Ant Factor	-32.9 T145 Preamp Gain [dB]		0.2 T159 BRF [dB]	dB(uVolts/ meter)	E-Fields [dBuV/m] - Avg	Average Margin (dB)	E-Fields [dBuV/m] - Peak	Peak Margin (dB)		
0 - 18000MHz Test Frequency	(dBuV) 33.78 Meter Reading		41.3 T345 Ant	T145 Preamp	Cable Factor		dB(uVolts/			E-Fields	Peak Margin		
0 - 18000MHz Test Frequency (MHz) 15780.512	(dBuV) 33.78 Meter Reading (dBuV)	Detector	41.3 T345 Ant Factor [dB/m]	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	[dBuV/m] - Avg	Margin (dB)	E-Fields	Peak Margin	Height [cm]	Polarit
0 - 18000MHz Test Frequency (MHz)	(dBuV) 33.78 Meter Reading (dBuV) 26.35 Meter Reading	Detector	41.3 T345 Ant Factor [dB/m] 41.3 T345 Ant Factor	T145 Preamp Gain [dB]	Cable Factor [dB]	T159 BRF [dB]	dB(uVolts/ meter)	[dBuV/m] - Avg	Margin (dB)	E-Fields	Peak Margin	Height [cm]	Polarity Horz
0 - 18000MHz Test Frequency (MHz) 15780.512 18000MHz Test Frequency	(dBuV) 33.78 Meter Reading (dBuV) 26.35 Meter	Detector	41.3 T345 Ant Factor [dB/m] 41.3 T345 Ant	T145 Preamp Gain [dB] -32.9 T145 Preamp	Cable Factor [dB] 13.6 Cable Factor	T159 BRF [dB]	dB(uVolts/ meter) 48.55 dB(uVolts/	[dBuV/m] - Avg 53.97 E-Fields	Margin (dB) -5.42 Average	E-Fields [dBuV/m] - Peak - E-Fields	Peak Margin (dB) - Peak Margin	Height [cm] 107	Polarity
	(MHz) 1326.537 5261.469 18000MHz Test Frequency (MHz) 15775.512 15775.512 15780.71 15780.71 15780.71 15775.512 15775.512 15775.512 15775.512	(MHz) Reading (dBuV) 1326.537 45.6 5261.469 49.81	(MHz) Reading (dBuV) 1326.537 45.6 PK 5261.469 45.81 PK 5261.469 45.81 PK 132000HHz Eest Frequency (dBuV) Detector 15775.512 3.9 PK 0000HHz Eest Frequency (MHz) Detector 15775.512 3.0 PK 15780.71 44.77 PK 1-180000HHz Eest Frequency (MHz) Detector 15775.512 31.13 PK 150000HHz Eest Frequency (BBuV) Detector 1648.7 Detector EestFrequency (BBuV) 15775.512 31.13 PK 158000HHz EestFrequency (BBuV) PK 150000Hz EestFrequency Meter 15775.512 31.13 PK	(MHz) Reading (dBuV) Factor (dB/m] 1326.537 45.6 PK 28.5 5261.469 49.81 PK 34.9 13000MHz rest Frequency (dBuV) Detector T345 Ant Factor (dB/m) 13775.512 39.23 PK 41.3 0000MHz rest Frequency (dBuV) Meter (dB/m) Detector T345 Ant Factor (dB/m) 15775.512 39.23 PK 41.3 0000MHz rest Frequency (dBuV) Detector T345 Ant Factor (dB/m) 15780.71 44.77 PK 41.3 15000MHz rest Frequency (dBuV) Detector T345 Ant Factor (dB/m) 15775.512 31.3 PK 41.3 15000MHz reading (dBuV) PK 41.3 15000MHz rest Frequency Meter (dBuV) Detector T345 Ant Factor (dB/m) 15775.512 31.13 PK 41.3 158000MHz rest Frequency Meter T345 Ant Factor	(MHz) Reading (dBuV) Factor (dBuV) Gain [dB] (dBuV) 1326.537 45.6 PK 28.5 -35.5 3261.69 49.81 PK 28.5 -35.9 18000MHz T 34.9 -34.9 18000MHz Erequency Meter (dBvV) Detector T345 Ant factor T145 Preamp Gain [dB] 1577.512 9 41.3 -32.9 15780.71 44.77 PK 41.3 -32.9 158000MHz (dBuV) [dBv/m] [dBv/m] -32.9 15780.71 44.77 PK 41.3 -32.9 1 158000MHz Ereder T345 Ant factor T345 Preamp Gain [dB] 15780.71 44.77 PK 41.3 -32.9 1 15000MHz Eactor T345 Ant [dBuV] T345 Preamp Gain [dB] Gain [dB] 1578.52 31.3 PK 41.3 -32.9 15775.52 31.3 PK 41.3 -32.9 158000MHz 1345 Preamp <td>(MHz) Reading (dBuv) Factor [dB,m] Gain [dB] [dB] [dB] 1326.537 45.6 PK 28.5 -3.5.5 3.5 5261.469 49.81 PK 34.9 -34.9 7.4 1320.537 49.81 PK 34.9 -34.9 7.4 1320.5469 49.81 PK 34.9 -34.9 7.4 1320.701 49.81 PK 34.9 -34.9 7.4 1320.701 Frequency (MHz) Meter (dBuv) Detector [dB/m] T345 Ant [dB/m] T145 Preamp Gain [dB] Cable Factor Gain [dB] [dB] 15775.12 3.0 Detector [dB/m] T345 Ant Factor Gain [dB] T145 Preamp Gain [dB] Cable Factor [dB] 15780.71 44.77 PK 41.3 -32.9 13.6 158000MHz Easting (dBuv) Eastor [dB]/m] T345 Ant [dB]/m] T145 Preamp Gain [dB] Cable Factor [dB]/m] 15775.12 31.13 PK 41.3 -32.9 13.6 158000MHiz East Frequency (eff Frequency</br></br></br></br></br></br></td> <td>(MHz) Reading (dBuvy) Factor (dBury) Gain [dB] (dBury) [dB] 1326.537 45.6 PK 28.5 -35.5 3.5 0 1326.537 45.6 PK 28.5 -35.5 3.5 0 1326.537 45.6 PK 28.5 -35.5 3.5 0 1320.6499 49.81 PK 34.9 -34.9 7.4 0.5 18000MHz </td> <td>(MHz) Reading (dBuV) Factor [dB/m] Gain [dB] [dB/m] [dB] meter) 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 5261.469 49.81 PK 34.9 -34.9 7.4 0.9 58.11 13000MHz Test Frequency (dBvV) Meter Detector T345 Ant factor T345 Preamp Gain [dB] Cable Factor T159 BRF [dB] dB[uVolts/ meter) 15775.512 3 PK 41.3 -32.9 13.6 0.2 61.43 15775.07.1 44.77 PK 41.3 -32.9 13.6 0.2 66.97 15780.71 44.77 PK 41.3 -32.9 13.6 0.2 66.97 15800MHiz East Frequency (dBuV) Meter Factor [dB/m] T345 Preamp Factor Cable Factor T159 BRF [dB] dB(uVolts/ meter) 15775.21 31.13 PK 41.3</td> <td>(MHz) Reading (dBuv) Factor [dBuv] Gain [dB] [dBuv] [dB] meter) [dBuv/m] - Avg (dBuv/m] - Avg 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 53.97 1326.549 49.81 PK 34.9 -34.9 7.4 0.9 58.11 - 1320.549 49.81 PK 34.9 -34.9 7.4 0.9 58.11 - 13800MHz Estimation of the state of the stat</td> <td>(MHz) Reading (dBuV) Factor [dBm/] Gain [dB] [dB] meter) [dBuV/n]-Avg Arrient Margin (dB) 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 53.97 -11.87 5261.649 45.81 PK 34.9 -34.9 7.4 0.9 58.11 - - 13000MHz restrequency Meter Detector F345 Ant (dB/m) T145 Preamp (dB/m) Cable Factor [dB/m] T159 BRF [dB] dB(UVOlts/ meter) E-Fields (dBuV/n]- Avg Average Margin (dB) 13775.512 30 PK 41.3 -32.9 13.6 0.2 61.43 - - 13775.512 30 PK 41.3 -32.9 13.6 0.2 66.97 - - 15775.512 Attraption (dBuV) Id4/m Factor (dB/m) T145 Preamp (GB/m) Cable Factor (Id8/m) T159 BRF [dB] dB(UVOlts/ meter) E-Fields (dBuV/m]-Avg Average Margin (dB) 15780.71 44.77 PK 41.3 -32.9</td> <td>(MHz) Reading (dBuV/m) Factor [dB/m] Gain [dB] (dB, [dB, m] meter) [dBuV/m]-wag (dBuV/m]-wag (dBuV/m]-wag Margin (dB) (dB, m] [dBuV/m]-wag Margin (dB) (dB, m] [dBuV/m]-wag 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 53.97 -11.87 74 1326.547 45.81 PK 34.9 -34.9 7.4 0.9 58.11 - - - 1320.648 49.81 PK 34.9 7.4 0.9 58.11 - - - 13000MHz restore Factor Gain [dB] [dB] TI35 Preamp Cable Factor TI36 Preamp Cable Factor TI36 Preamp Average E-Fields [dBuV/m] - Peak (MHz) (dBuV) (dB/m] -32.9 13.6 0.2 61.43 - - - 74 1575.51 44.77 PK 41.3 -32.9 13.6 0.2 66.97 - - 74 15758.71<td>(MHz) Reading (dBuV) Factor (dBm/) Gain [dB] [dB] meter) [dBuV/m] - Avg Array Margin (dB) [dBuV/m] - Peak (dB) (dBuV/m] - Peak (dB) (dB) 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 53.97 -11.87 74 -31.9 3261.469 45.81 PK 24.9 -34.9 7.4 0.9 58.11 - <</td><td>(MHz) Reading (dBuv/ Factor (dBm/) Gain [dB] (dBm/) [dBm/] [dBm/] [dBm/] [dBm/] (dBm/) (dBm/)<</td></td>	(MHz) Reading (dBuv) Factor [dB,m] Gain [dB] [dB] [dB] 1326.537 45.6 PK 28.5 -3.5.5 3.5 5261.469 49.81 PK 34.9 -34.9 7.4 1320.537 49.81 PK 34.9 -34.9 7.4 1320.5469 49.81 PK 34.9 -34.9 7.4 1320.701 49.81 PK 34.9 -34.9 7.4 1320.701 Frequency (MHz) Meter (dBuv) Detector [dB/m] T345 Ant [dB/m] T145 Preamp Gain [dB] Cable Factor Gain [dB] [dB] 15775.12 3.0 Detector [dB/m] T345 Ant Factor Gain [dB] T145 Preamp 	(MHz) Reading (dBuvy) Factor (dBury) Gain [dB] (dBury) [dB] 1326.537 45.6 PK 28.5 -35.5 3.5 0 1326.537 45.6 PK 28.5 -35.5 3.5 0 1326.537 45.6 PK 28.5 -35.5 3.5 0 1320.6499 49.81 PK 34.9 -34.9 7.4 0.5 18000MHz	(MHz) Reading (dBuV) Factor [dB/m] Gain [dB] [dB/m] [dB] meter) 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 5261.469 49.81 PK 34.9 -34.9 7.4 0.9 58.11 13000MHz Test Frequency (dBvV) Meter Detector T345 Ant factor T345 Preamp Gain [dB] Cable Factor T159 BRF [dB] dB[uVolts/ meter) 15775.512 3 PK 41.3 -32.9 13.6 0.2 61.43 15775.07.1 44.77 PK 41.3 -32.9 13.6 0.2 66.97 15780.71 44.77 PK 41.3 -32.9 13.6 0.2 66.97 15800MHiz East Frequency (dBuV) Meter Factor [dB/m] T345 Preamp Factor Cable Factor T159 BRF [dB] dB(uVolts/ meter) 15775.21 31.13 PK 41.3	(MHz) Reading (dBuv) Factor [dBuv] Gain [dB] [dBuv] [dB] meter) [dBuv/m] - Avg (dBuv/m] - Avg 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 53.97 1326.549 49.81 PK 34.9 -34.9 7.4 0.9 58.11 - 1320.549 49.81 PK 34.9 -34.9 7.4 0.9 58.11 - 13800MHz Estimation of the state of the stat	(MHz) Reading (dBuV) Factor [dBm/] Gain [dB] [dB] meter) [dBuV/n]-Avg Arrient Margin (dB) 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 53.97 -11.87 5261.649 45.81 PK 34.9 -34.9 7.4 0.9 58.11 - - 13000MHz restrequency Meter Detector F345 Ant (dB/m) T145 Preamp (dB/m) Cable Factor [dB/m] T159 BRF [dB] dB(UVOlts/ meter) E-Fields (dBuV/n]- Avg Average Margin (dB) 13775.512 30 PK 41.3 -32.9 13.6 0.2 61.43 - - 13775.512 30 PK 41.3 -32.9 13.6 0.2 66.97 - - 15775.512 Attraption (dBuV) Id4/m Factor (dB/m) T145 Preamp (GB/m) Cable Factor (Id8/m) T159 BRF [dB] dB(UVOlts/ meter) E-Fields (dBuV/m]-Avg Average Margin (dB) 15780.71 44.77 PK 41.3 -32.9	(MHz) Reading (dBuV/m) Factor [dB/m] Gain [dB] (dB, [dB, m] meter) [dBuV/m]-wag (dBuV/m]-wag (dBuV/m]-wag Margin (dB) (dB, m] [dBuV/m]-wag Margin (dB) (dB, m] [dBuV/m]-wag 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 53.97 -11.87 74 1326.547 45.81 PK 34.9 -34.9 7.4 0.9 58.11 - - - 1320.648 49.81 PK 34.9 7.4 0.9 58.11 - - - 13000MHz restore Factor Gain [dB] [dB] TI35 Preamp Cable Factor TI36 Preamp Cable Factor TI36 Preamp Average E-Fields [dBuV/m] - Peak (MHz) (dBuV) (dB/m] -32.9 13.6 0.2 61.43 - - - 74 1575.51 44.77 PK 41.3 -32.9 13.6 0.2 66.97 - - 74 15758.71 <td>(MHz) Reading (dBuV) Factor (dBm/) Gain [dB] [dB] meter) [dBuV/m] - Avg Array Margin (dB) [dBuV/m] - Peak (dB) (dBuV/m] - Peak (dB) (dB) 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 53.97 -11.87 74 -31.9 3261.469 45.81 PK 24.9 -34.9 7.4 0.9 58.11 - <</td> <td>(MHz) Reading (dBuv/ Factor (dBm/) Gain [dB] (dBm/) [dBm/] [dBm/] [dBm/] [dBm/] (dBm/) (dBm/)<</td>	(MHz) Reading (dBuV) Factor (dBm/) Gain [dB] [dB] meter) [dBuV/m] - Avg Array Margin (dB) [dBuV/m] - Peak (dB) (dBuV/m] - Peak (dB) (dB) 1326.537 45.6 PK 28.5 -35.5 3.5 0 42.1 53.97 -11.87 74 -31.9 3261.469 45.81 PK 24.9 -34.9 7.4 0.9 58.11 - <	(MHz) Reading (dBuv/ Factor (dBm/) Gain [dB] (dBm/) [dBm/] [dBm/] [dBm/] [dBm/] (dBm/) (dBm/)<

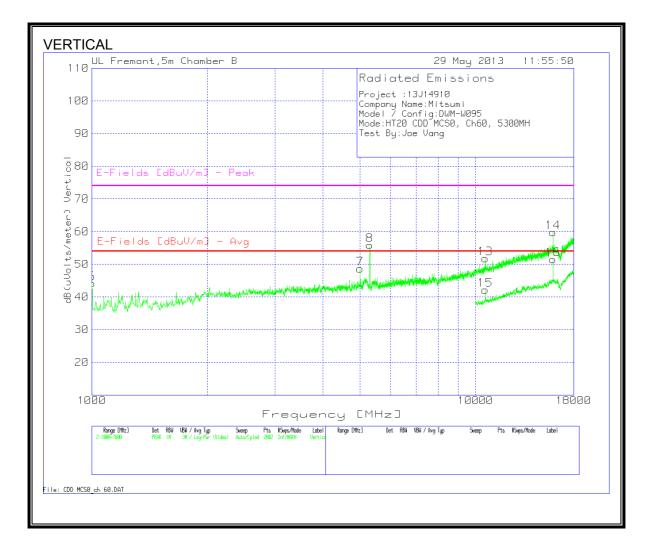
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HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL GRAPH



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