

### High ch data

Project :13114910  
 Company Name: MITSUMI  
 Model / Config: DWM\_W095/ EUT, Laptop, Test jig  
 Mode: 11n HT20 CDD Ch165\_5825MHz  
 Test By: Thanh Nguyen

#### Horizontal 1000 - 10000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRP [dB] | dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Average Margin (dB) | E-Fields [dBuV/m] - Peak | Peak Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 1          | 1026.987             | 47.95                | PK       | 27.5                   | -36                   | 3.2               | 0.1           | 42.75            | 53.97                   | -11.22              | 74                       | -31.25           | 100         | Horz     |
| 2          | 1881.559             | 43.9                 | PK       | 31                     | -35                   | 4.1               | 0.1           | 44.1             | -                       | -                   | 68.2                     | -24.1            | 200         | Horz     |
| 3          | 5299.85              | 44.48                | PK       | 34.9                   | -34.9                 | 7.4               | 0.1           | 51.98            | -                       | -                   | 68.2                     | -16.22           | 200         | Horz     |
| 4          | 5448.276             | 47.69                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 55.29            | 53.97                   | 1.32                | 74                       | -18.71           | 100         | Horz     |
| 5          | 5524.738             | 48.71                | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 56.41            | -                       | -                   | 68.2                     | -11.79           | 100         | Horz     |
| 6          | 5601.199             | 44.35                | PK       | 35                     | -34.9                 | 7.7               | 0.1           | 52.25            | -                       | -                   | 68.2                     | -15.95           | 100         | Horz     |

#### Vertical 1000 - 10000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRP [dB] | dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Average Margin (dB) | E-Fields [dBuV/m] - Peak | Peak Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 7          | 1076.462             | 44.52                | PK       | 27.8                   | -35.9                 | 3.2               | 0.1           | 39.72            | 53.97                   | -14.25              | 74                       | -34.28           | 200         | Vert     |
| 8          | 1274.363             | 44.11                | PK       | 28.6                   | -35.6                 | 3.4               | 0.1           | 40.61            | -                       | -                   | 68.2                     | -27.59           | 400         | Vert     |
| 9          | 5443.778             | 43.99                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 51.59            | 53.97                   | -2.38               | 74                       | -22.41           | 200         | Vert     |
| 10         | 5524.738             | 43.94                | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 51.64            | -                       | -                   | 68.2                     | -16.56           | 200         | Vert     |

#### Horizontal 10000 - 18000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRP [dB] | dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Average Margin (dB) | E-Fields [dBuV/m] - Peak | Peak Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 11         | 15677.161            | 34.03                | PK       | 41.2                   | -32.9                 | 13.6              | 0.2           | 56.13            | -                       | -                   | 74                       | -17.87           | 200         | Horz     |
| 12         | 16388.806            | 33.66                | PK       | 41.4                   | -32.5                 | 13.9              | 0.2           | 56.66            | -                       | -                   | 68.2                     | -11.54           | 200         | Horz     |
| 13         | 17476.262            | 34.61                | PK       | 42                     | -31.6                 | 14.5              | 0.2           | 59.71            | -                       | -                   | 68.2                     | -8.49            | 100         | Horz     |

#### Vertical 10000 - 18000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRP [dB] | dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Average Margin (dB) | E-Fields [dBuV/m] - Peak | Peak Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 14         | 12778.611            | 33.68                | PK       | 39.2                   | -32.1                 | 12                | 0.2           | 52.98            | -                       | -                   | 68.2                     | -15.22           | 100         | Vert     |
| 15         | 17476.262            | 33.87                | PK       | 42                     | -31.6                 | 14.5              | 0.2           | 58.97            | -                       | -                   | 68.2                     | -9.23            | 100         | Vert     |

#### Horizontal 10000 - 18000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRP [dB] | dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Average Margin (dB) | E-Fields [dBuV/m] - Peak | Peak Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 16         | 15657.171            | 22.92                | PK       | 41.2                   | -32.9                 | 13.5              | 0.2           | 44.92            | 53.97                   | -9.05               | 74                       | -29.08           | 200         | Horz     |
| 17         | 16332.834            | 21.84                | PK       | 41.4                   | -32.6                 | 13.9              | 0.2           | 44.74            | -                       | -                   | 68.2                     | -23.46           | 100         | Horz     |
| 18         | 17476.262            | 25.01                | PK       | 42                     | -31.6                 | 14.5              | 0.2           | 50.11            | -                       | -                   | 68.2                     | -18.09           | 100         | Horz     |

#### Vertical 10000 - 18000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRP [dB] | dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Average Margin (dB) | E-Fields [dBuV/m] - Peak | Peak Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 19         | 12742.629            | 23.29                | PK       | 39.2                   | -32.2                 | 12                | 0.2           | 42.49            | -                       | -                   | 68.2                     | -25.71           | 100         | Vert     |
| 20         | 17472.264            | 23.93                | PK       | 42                     | -31.6                 | 14.5              | 0.2           | 49.03            | -                       | -                   | 68.2                     | -19.17           | 200         | Vert     |

#### Horizontal 1000 - 10000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRP [dB] | dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Average Margin (dB) | E-Fields [dBuV/m] - Peak | Peak Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 4          | 5453.0507            | 17.43                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 25.03            | 53.97                   | -28.94              | -                        | -                | 139         | Horz     |

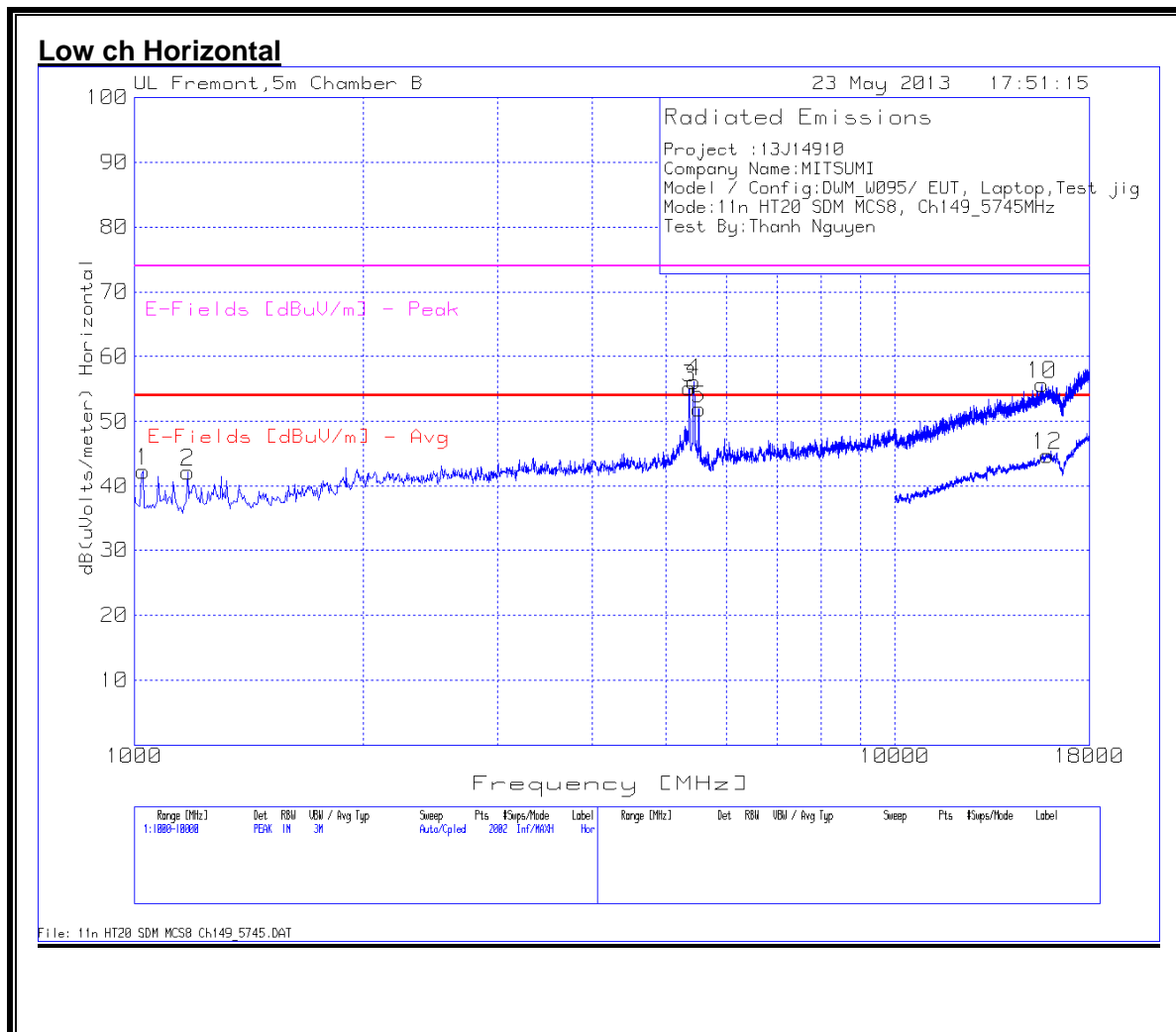
#### Vertical 1000 - 10000MHz

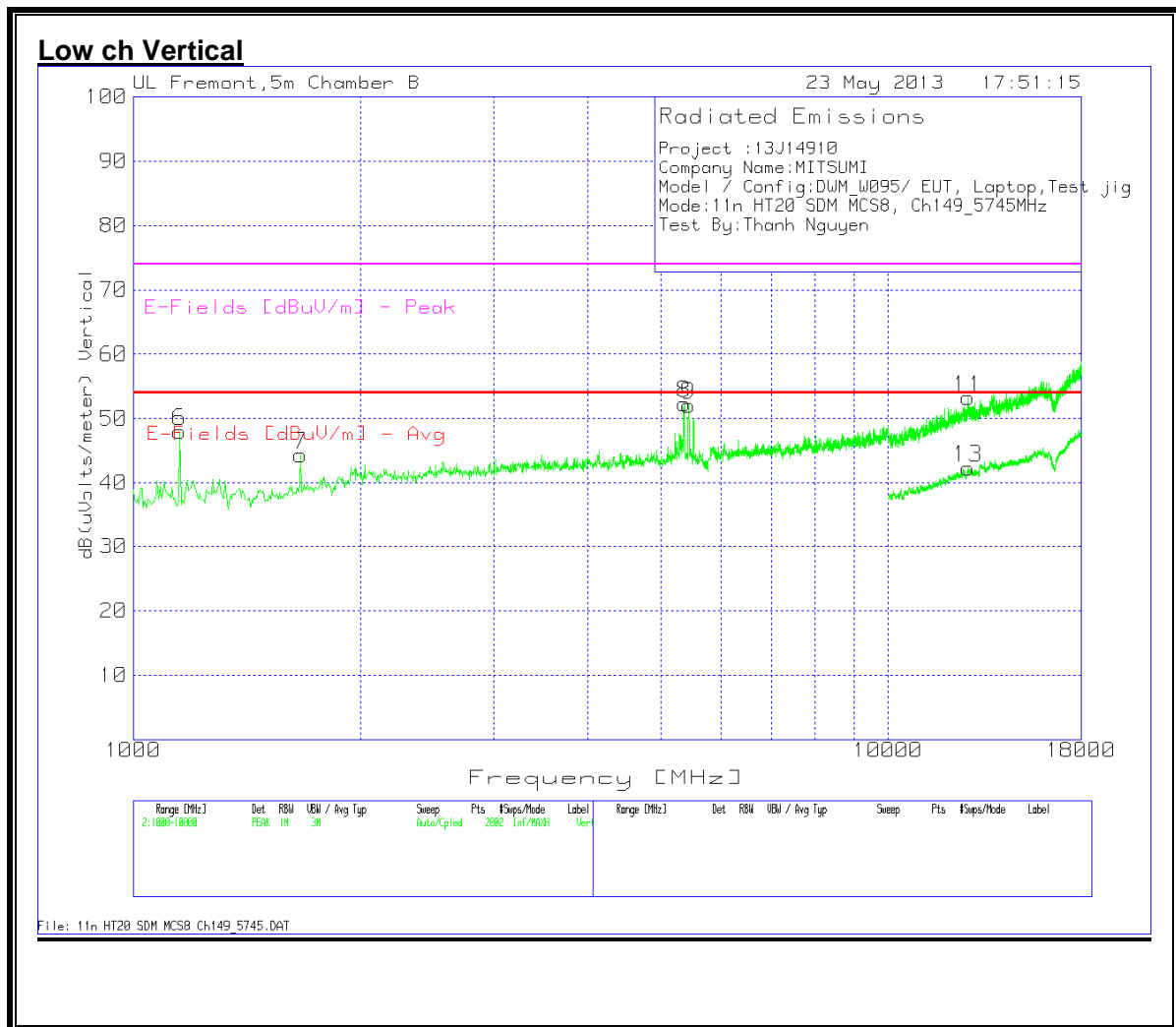
| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRP [dB] | dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Average Margin (dB) | E-Fields [dBuV/m] - Peak | Peak Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 9          | 5443.9851            | 12.22                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 19.82            | 53.97                   | -34.15              | -                        | -                | 304         | Vert     |

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

### 9.2.5 TX ABOVE 1 GHz 802.11n HT20 SDM MCS8 MODE, 5.8 GHz BAND

#### HARMONICS AND SPURIOUS EMISSIONS





### LOW CHANNEL DATA

Project :13J14910  
 Company Name: MITSUMI  
 Model / Config: DWM\_W095/ EUT, Laptop, Test jig  
 Mode: 11n HT20 SDM MCS8, Ch149\_5745MHz  
 Test By: Thanh Nguyen

**Horizontal 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB(uVolts/m eter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 1          | 1026.987             | 47.56                | PK       | 27.5                   | -36                   | 3.2               | 0.1           | 42.36             | 53.97                   | -11.61         | 74                | -31.64      | 100         | Horz     |
| 2          | 1175.412             | 46.25                | PK       | 28.2                   | -35.7                 | 3.3               | 0.1           | 42.15             | 53.97                   | -11.82         | 74                | -31.85      | 100         | Horz     |
| 3          | 5371.814             | 47.61                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 55.21             | -                       | -              | 74                | -18.79      | 100         | Horz     |
| 4          | 5448.276             | 48.48                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 56.08             | -                       | -              | 74                | -17.92      | 100         | Horz     |
| 5          | 5529.235             | 44.28                | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 51.98             | -                       | -              | 68.2              | -16.22      | 100         | Horz     |

**Vertical 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB(uVolts/m eter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 6          | 1152.924             | 52.34                | PK       | 28.1                   | -35.8                 | 3.3               | 0.1           | 48.04             | 53.97                   | -5.93          | 74                | -25.96      | 200         | Vert     |
| 7          | 1665.667             | 45.91                | PK       | 29.5                   | -35.1                 | 3.9               | 0.1           | 44.31             | 53.97                   | -9.66          | 74                | -29.69      | 100         | Vert     |
| 8          | 5367.316             | 44.8                 | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 52.4              | 53.97                   | -1.57          | 74                | -21.6       | 200         | Vert     |
| 9          | 5443.778             | 44.44                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 52.04             | 53.97                   | -1.93          | 74                | -21.96      | 200         | Vert     |

**Horizontal 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB(uVolts/m eter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 10         | 15625.187            | 33.89                | PK       | 41.1                   | -32.9                 | 13.5              | 0.2           | 55.79             | -                       | -              | 74                | -18.21      | 200         | Horz     |

**Vertical 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB(uVolts/m eter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 11         | 12746.627            | 34.03                | PK       | 39.2                   | -32.2                 | 12                | 0.2           | 53.23             | -                       | -              | 68.2              | -14.97      | 200         | Vert     |

**Horizontal 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB(uVolts/m eter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 12         | 15873.063            | 22.35                | PK       | 41.4                   | -32.9                 | 13.7              | 0.2           | 44.75             | 53.97                   | -9.22          | 74                | -29.25      | 100         | Horz     |

**Vertical 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB(uVolts/m eter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 13         | 12750.625            | 23.16                | PK       | 39.2                   | -32.2                 | 12                | 0.2           | 42.36             | -                       | -              | 68.2              | -25.84      | 100         | Vert     |

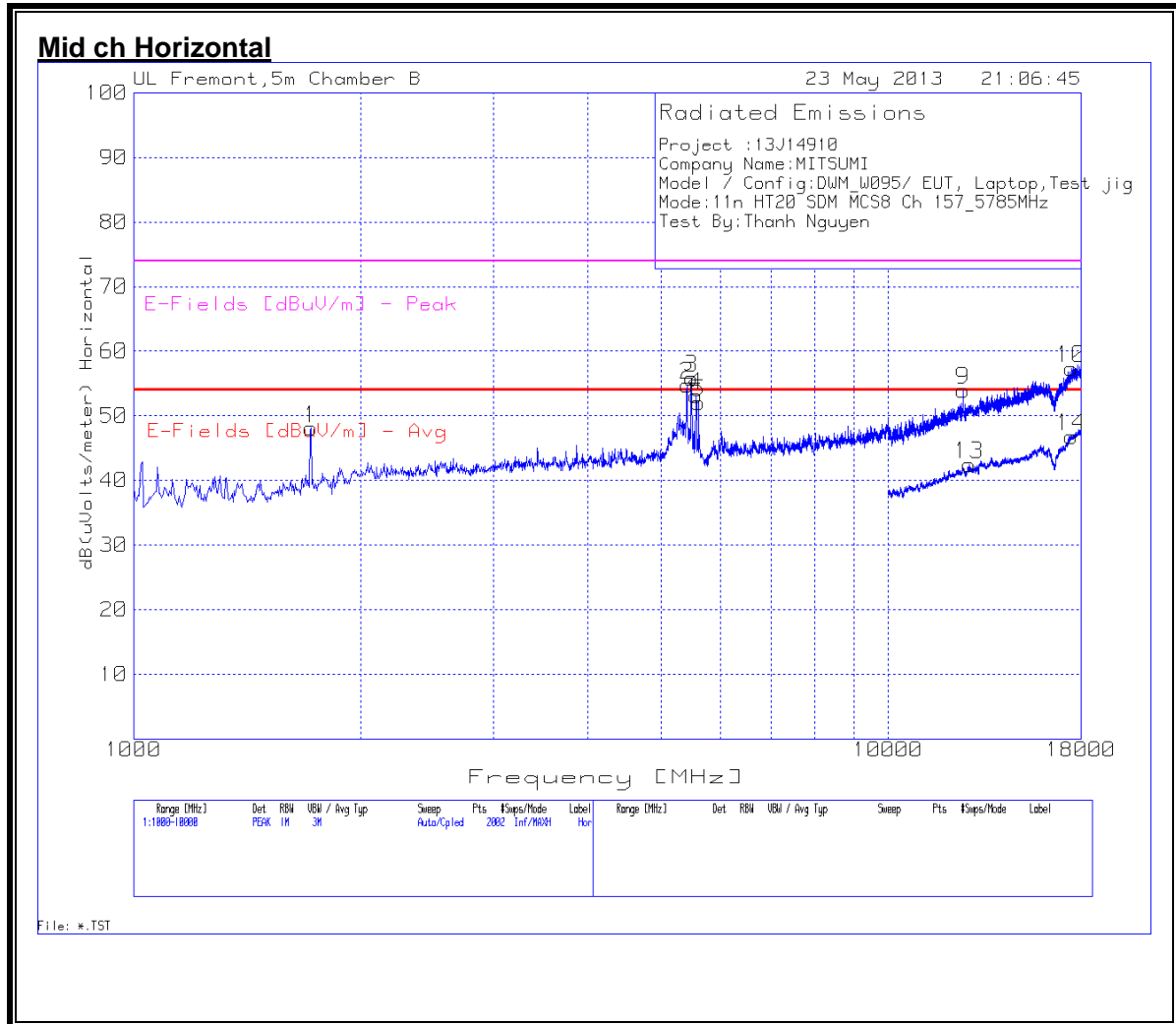
**Horizontal 1000 - 10000MHz**

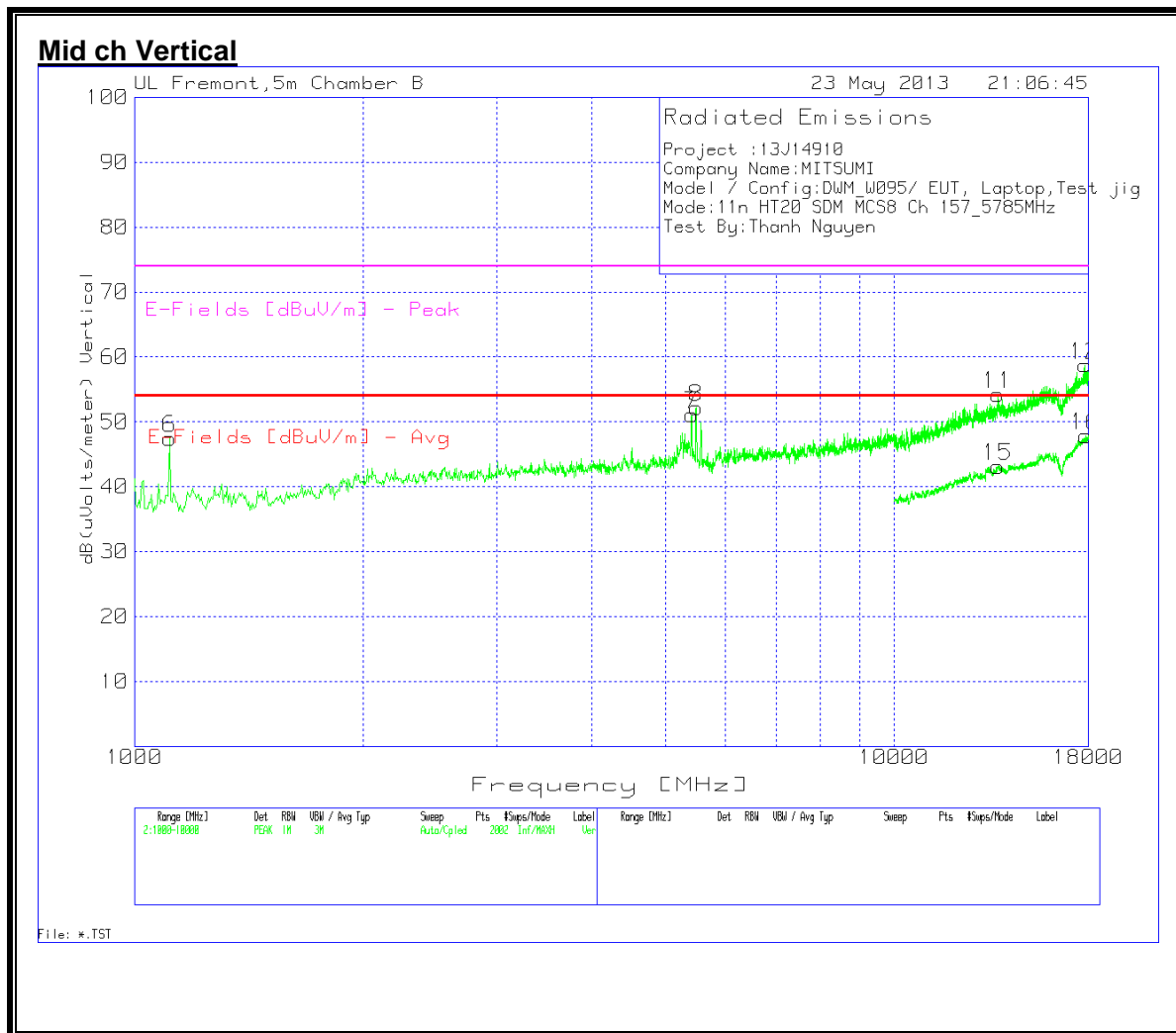
| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB(uVolts/m eter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 3          | 5371.6068            | 30.25                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 37.85             | 53.97                   | -16.12         | -                 | -           | 170         | Horz     |
| 4          | 5449.4705            | 31.44                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 39.04             | 53.97                   | -14.93         | -                 | -           | 146         | Horz     |

**Vertical 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB(uVolts/m eter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 8          | 5370.0111            | 22.79                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 30.39             | 53.97                   | -23.58         | -                 | -           | 195         | Vert     |
| 9          | 5444.207             | 22.5                 | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 30.1              | 53.97                   | -23.87         | -                 | -           | 110         | Vert     |

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





### MID CHANNEL DATA

Project :13J14910  
 Company Name:MITSUMI  
 Model / Config:DWM\_W095/ EUT, Laptop,Test jig  
 Mode:11n HT20 SDM MCS8 Ch 157\_5785MHz  
 Test By:Thanh Nguyen

#### Horizontal 1000 - 10000MHz

| Marker No. | Test Frequency | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB (uVolts/meter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 1          | 1719.64        | 49.28                | PK       | 29.9                   | -35.1                 | 3.9               | 0.1           | 48.08             | 53.97                   | -5.89          | 74                | -25.92      | 300         | Horz     |
| 2          | 5412.294       | 47.13                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 54.73             | 53.97                   | 0.76           | 74                | -19.27      | 100         | Horz     |
| 3          | 5488.756       | 48.17                | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 55.87             | -                       | -              | 68.2              | -12.33      | 100         | Horz     |
| 4          | 5565.217       | 45.41                | PK       | 35                     | -34.9                 | 7.6               | 0.1           | 53.21             | -                       | -              | 68.2              | -14.99      | 100         | Horz     |
| 5          | 5605.697       | 44.17                | PK       | 35                     | -34.9                 | 7.7               | 0.1           | 52.07             | -                       | -              | 68.2              | -16.13      | 100         | Horz     |

#### Vertical 1000 - 10000MHz

| Marker No. | Test Frequency | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB (uVolts/meter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 6          | 1112.444       | 51.96                | PK       | 27.9                   | -35.8                 | 3.3               | 0.1           | 47.46             | 53.97                   | -6.51          | 74                | -26.54      | 400         | Vert     |
| 7          | 5412.294       | 43.56                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 51.16             | 53.97                   | -2.81          | 74                | -22.84      | 200         | Vert     |
| 8          | 5484.258       | 44.51                | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 52.21             | -                       | -              | 68.2              | -15.99      | 200         | Vert     |

#### Horizontal 10000 - 18000MHz

| Marker No. | Test Frequency | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T192 HPF [dB] | dB (uVolts/meter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 9          | 12566.717      | 35.01                | PK       | 39.2                   | -32.4                 | 11.9              | 0.2           | 53.91             | -                       | -              | 74                | -20.09      | 100         | Horz     |
| 10         | 17484.258      | 32.11                | PK       | 42                     | -31.5                 | 14.5              | 0.2           | 57.31             | -                       | -              | 68.2              | -10.89      | 200         | Horz     |

#### Vertical 10000 - 18000MHz

| Marker No. | Test Frequency | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T192 HPF [dB] | dB (uVolts/meter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 11         | 13690.155      | 34.38                | PK       | 39.1                   | -32                   | 12.5              | 0.2           | 54.18             | -                       | -              | 68.2              | -14.02      | 200         | Vert     |
| 12         | 17820.09       | 33.07                | PK       | 42.2                   | -31.4                 | 14.7              | 0.2           | 58.77             | -                       | -              | 74                | -15.23      | 100         | Vert     |

#### Horizontal 10000 - 18000MHz

| Marker No. | Test Frequency | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T192 HPF [dB] | dB (uVolts/meter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 13         | 12798.601      | 23.21                | PK       | 39.2                   | -32.1                 | 12                | 0.2           | 42.51             | -                       | -              | 68.2              | -25.69      | 200         | Horz     |
| 14         | 17476.262      | 21.75                | PK       | 42                     | -31.6                 | 14.5              | 0.2           | 46.85             | -                       | -              | 68.2              | -21.35      | 200         | Horz     |

#### Vertical 10000 - 18000MHz

| Marker No. | Test Frequency | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T192 HPF [dB] | dB (uVolts/meter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 15         | 13686.157      | 23.4                 | PK       | 39.1                   | -32                   | 12.5              | 0.2           | 43.2              | -                       | -              | 68.2              | -25         | 100         | Vert     |
| 16         | 17848.076      | 22.1                 | PK       | 42.2                   | -31.3                 | 14.7              | 0.2           | 47.9              | 53.97                   | -6.07          | 74                | -26.1       | 200         | Vert     |

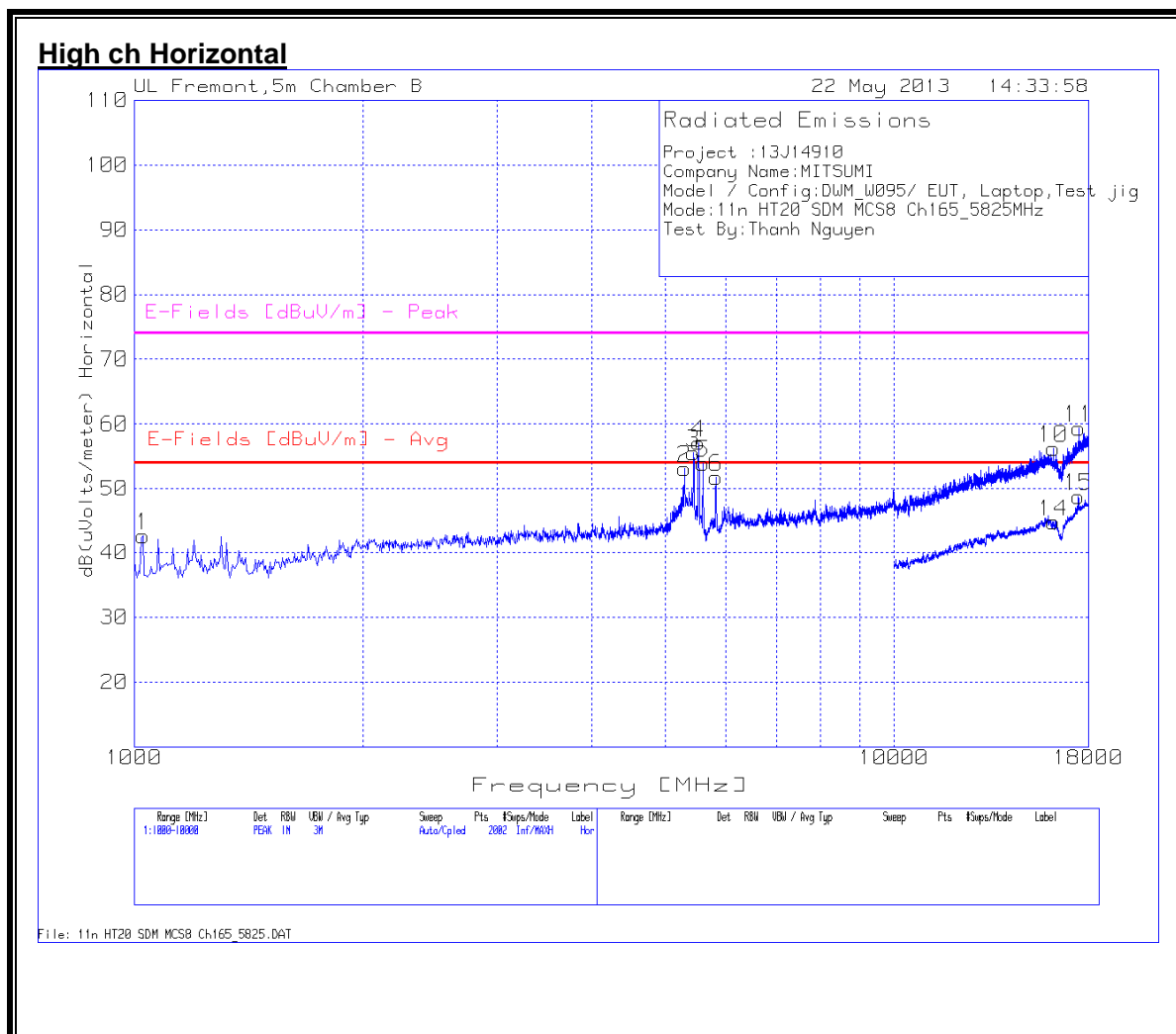
#### Horizontal 1000 - 10000MHz

| Marker No. | Test Frequency | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB (uVolts/meter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 2          | 5412.0665      | 21.06                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 28.66             | 53.97                   | -25.31         | -                 | -           | 163         | Horz     |

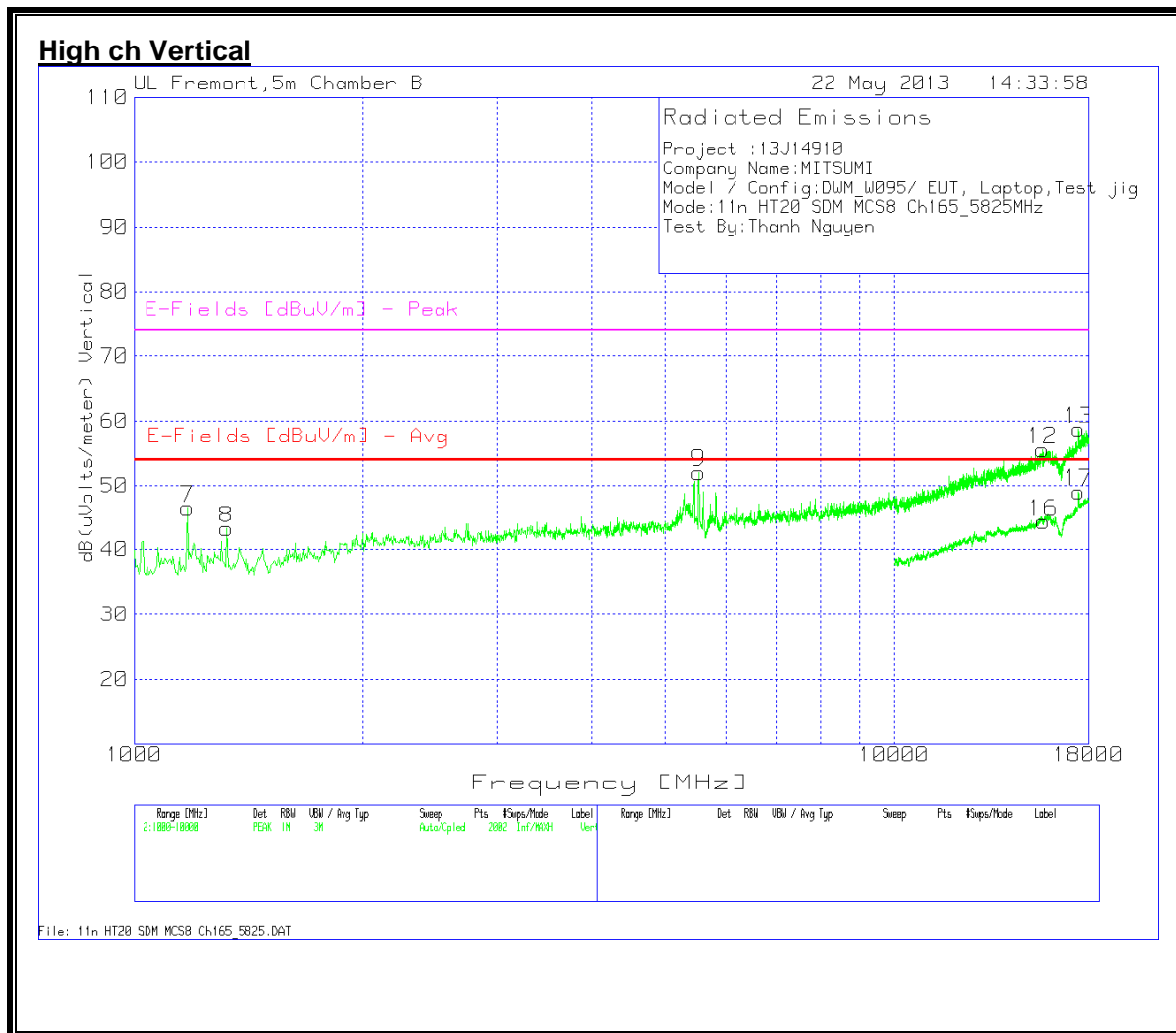
#### Vertical 1000 - 10000MHz

| Marker No. | Test Frequency | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB (uVolts/meter) | FCC Part 15C 15.209 Avg | Average Margin | FCC Part 15C Peak | Peak Margin | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|----------------|-------------------|-------------|-------------|----------|
| 7          | 5413.421       | 20.56                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 28.16             | 53.97                   | -25.81         | -                 | -           | 116         | Vert     |

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







### HIGH CHANNEL DATA

Project :13J14910  
 Company Name:MITSUMI  
 Model / Config:DWM\_W095/ EUT, Laptop,Test jig  
 Mode:11n HT20 SDM MCS8 Ch165\_5825MHz  
 Test By:Thanh Nguyen

#### Horizontal 1000 - 10000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts /meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 1          | 1026.987             | 47.75                | PK       | 27.5                   | -36                   | 3.2               | 0.1           | 42.55                               | 53.97                   | -11.42      | 74                       | -31.45      | 100         | Horz     |
| 2          | 5299.85              | 45.68                | PK       | 34.9                   | -34.9                 | 7.4               | 0.1           | 53.18                               | -                       | -           | 68.2                     | -15.02      | 100         | Horz     |
| 3          | 5448.276             | 48                   | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 55.6                                | 53.97                   | 1.63        | 74                       | -18.4       | 200         | Horz     |
| 4          | 5526.987             | 49.43                | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 57.13                               | -                       | -           | 68.2                     | -11.07      | 200         | Horz     |
| 5          | 5601.199             | 46.04                | PK       | 35                     | -34.9                 | 7.7               | 0.1           | 53.94                               | -                       | -           | 68.2                     | -14.26      | 100         | Horz     |
| 6          | 5830.585             | 43.35                | PK       | 35.4                   | -34.9                 | 7.8               | 0.1           | 51.75                               | -                       | -           | 68.2                     | -16.45      | 200         | Horz     |

#### Vertical 1000 - 10000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts /meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 7          | 1175.412             | 50.63                | PK       | 28.2                   | -35.7                 | 3.3               | 0.1           | 46.53                               | 53.97                   | -7.44       | 74                       | -27.47      | 300         | Vert     |
| 8          | 1323.838             | 46.6                 | PK       | 28.5                   | -35.5                 | 3.5               | 0.1           | 43.2                                | 53.97                   | -10.77      | 74                       | -30.8       | 200         | Vert     |
| 9          | 5529.235             | 44.4                 | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 52.1                                | -                       | -           | 68.2                     | -16.1       | 200         | Vert     |

#### Horizontal 10000 - 18000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 HPF [dB] | Corrected Reading dB(uVolts /meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 10         | 16204.898            | 33.52                | PK       | 41.4                   | -32.7                 | 13.8              | 0.2           | 56.22                               | -                       | -           | 68.2                     | -11.98      | 200         | Horz     |
| 11         | 17480.26             | 34.21                | PK       | 42                     | -31.6                 | 14.5              | 0.2           | 59.31                               | -                       | -           | 68.2                     | -8.89       | 400         | Horz     |

#### Vertical 10000 - 18000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 HPF [dB] | Corrected Reading dB(uVolts /meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 12         | 15709.145            | 33.41                | PK       | 41.2                   | -32.9                 | 13.6              | 0.2           | 55.51                               | -                       | -           | 74                       | -18.49      | 200         | Vert     |
| 13         | 17472.264            | 33.58                | PK       | 42                     | -31.6                 | 14.5              | 0.2           | 58.68                               | -                       | -           | 68.2                     | -9.52       | 200         | Vert     |

#### Horizontal 10000 - 18000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 HPF [dB] | Corrected Reading dB(uVolts /meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 14         | 16196.902            | 22.03                | PK       | 41.4                   | -32.7                 | 13.8              | 0.2           | 44.73                               | 53.97                   | -9.24       | 74                       | -29.27      | 400         | Horz     |
| 15         | 17472.264            | 23.73                | PK       | 42                     | -31.6                 | 14.5              | 0.2           | 48.83                               | -                       | -           | 68.2                     | -19.37      | 100         | Horz     |

#### Vertical 10000 - 18000MHz

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 HPF [dB] | Corrected Reading dB(uVolts /meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 16         | 15717.141            | 22.21                | PK       | 41.2                   | -32.9                 | 13.6              | 0.2           | 44.31                               | 53.97                   | -9.66       | 74                       | -29.69      | 300         | Vert     |
| 17         | 17472.264            | 24.01                | PK       | 42                     | -31.6                 | 14.5              | 0.2           | 49.11                               | -                       | -           | 68.2                     | -19.09      | 100         | Vert     |

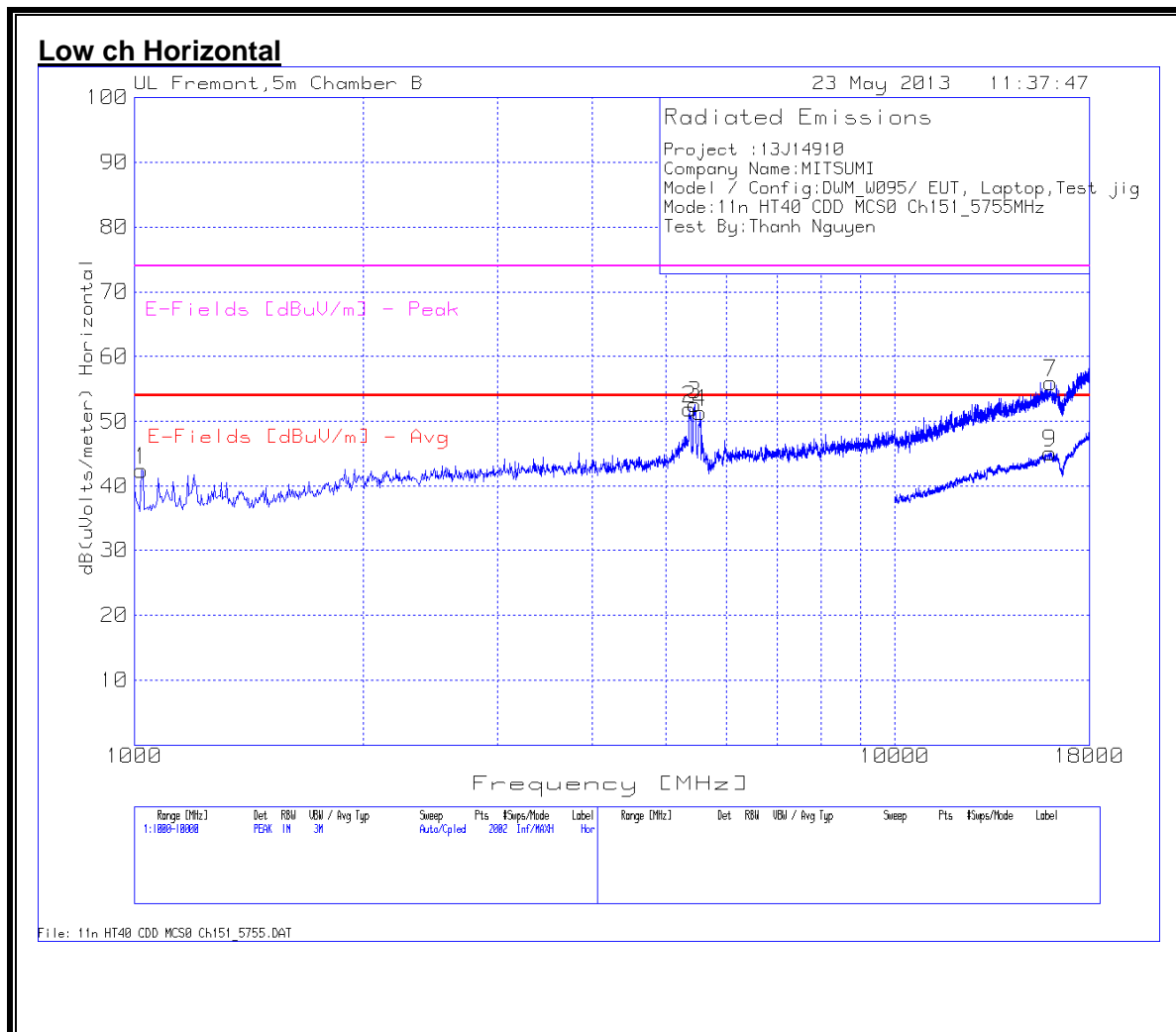
#### Horizontal 1000 - 10000MHz

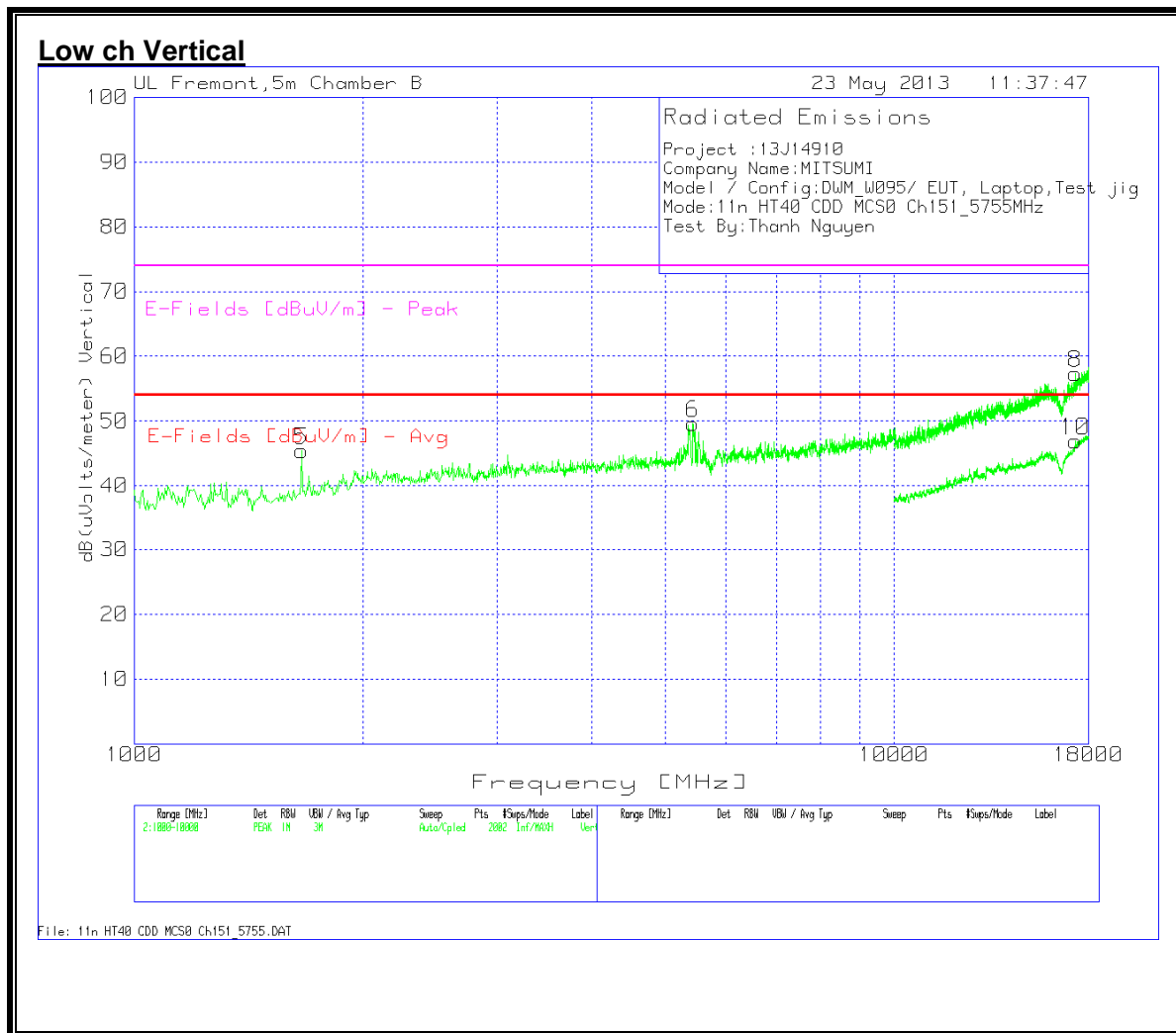
| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts /meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 3          | 5448.4369            | 22.18                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 29.78                               | 53.97                   | -24.19      | -                        | -           | 153         | Horz     |

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

### 9.2.6 TX ABOVE 1 GHz 802.11n HT40 CDD MCS0 MODE, 5.8 GHz BAND

#### HARMONICS AND SPURIOUS EMISSIONS





### LOW CHANNEL DATA

Project :13J14910  
 Company Name: MITSUMI  
 Model / Config: DWM\_W095/ EUT, Laptop, Test jig  
 Mode: 11n HT40 CDD MCS0 Ch151\_5755MHz  
 Test By: Thanh Nguyen

#### Horizontal 1000 - 10000MHz

| Marker No. | Test Frequency | Meter Reading [dBuV] | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 1          | 1022.489       | 47.67                | PK       | 27.5                   | -36                   | 3.2               | 0.1           | 42.47                              | 53.97                   | -11.5       | 74                       | -31.53      | 100         | Horz     |
| 2          | 5371.814       | 44.3                 | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 51.9                               | 53.97                   | -2.07       | 74                       | -22.1       | 100         | Horz     |
| 3          | 5461.769       | 44.9                 | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 52.6                               | -                       | -           | 68.2                     | -15.6       | 100         | Horz     |
| 4          | 5547.226       | 43.59                | PK       | 35                     | -34.9                 | 7.6               | 0.1           | 51.39                              | -                       | -           | 68.2                     | -16.81      | 100         | Horz     |

#### Vertical 1000 - 10000MHz

| Marker No. | Test Frequency | Meter Reading [dBuV] | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 5          | 1661.169       | 47.09                | PK       | 29.4                   | -35.1                 | 3.9               | 0.1           | 45.39                              | 53.97                   | -8.58       | 74                       | -28.61      | 100         | Vert     |
| 6          | 5434.783       | 42.03                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 49.63                              | 53.97                   | -4.34       | 74                       | -24.37      | 200         | Vert     |

#### Horizontal 10000 - 18000MHz

| Marker No. | Test Frequency | Meter Reading [dBuV] | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 HPF [dB] | Corrected Reading dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 7          | 16036.982      | 33.27                | PK       | 41.6                   | -32.9                 | 13.8              | 0.2           | 55.97                              | -                       | -           | 74                       | -18.03      | 100         | Horz     |

#### Vertical 10000 - 18000MHz

| Marker No. | Test Frequency | Meter Reading [dBuV] | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 HPF [dB] | Corrected Reading dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 8          | 17324.338      | 32.52                | PK       | 41.7                   | -31.6                 | 14.5              | 0.2           | 57.32                              | -                       | -           | 68.2                     | -10.88      | 100         | Vert     |

#### Horizontal 10000 - 18000MHz

| Marker No. | Test Frequency | Meter Reading [dBuV] | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 HPF [dB] | Corrected Reading dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 9          | 16004.998      | 22.59                | PK       | 41.6                   | -32.9                 | 13.7              | 0.2           | 45.19                              | 53.97                   | -8.78       | 74                       | -28.81      | 200         | Horz     |

#### Vertical 10000 - 18000MHz

| Marker No. | Test Frequency | Meter Reading [dBuV] | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 HPF [dB] | Corrected Reading dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 10         | 17316.342      | 22.09                | PK       | 41.7                   | -31.6                 | 14.5              | 0.2           | 46.89                              | -                       | -           | 68.2                     | -21.31      | 100         | Vert     |

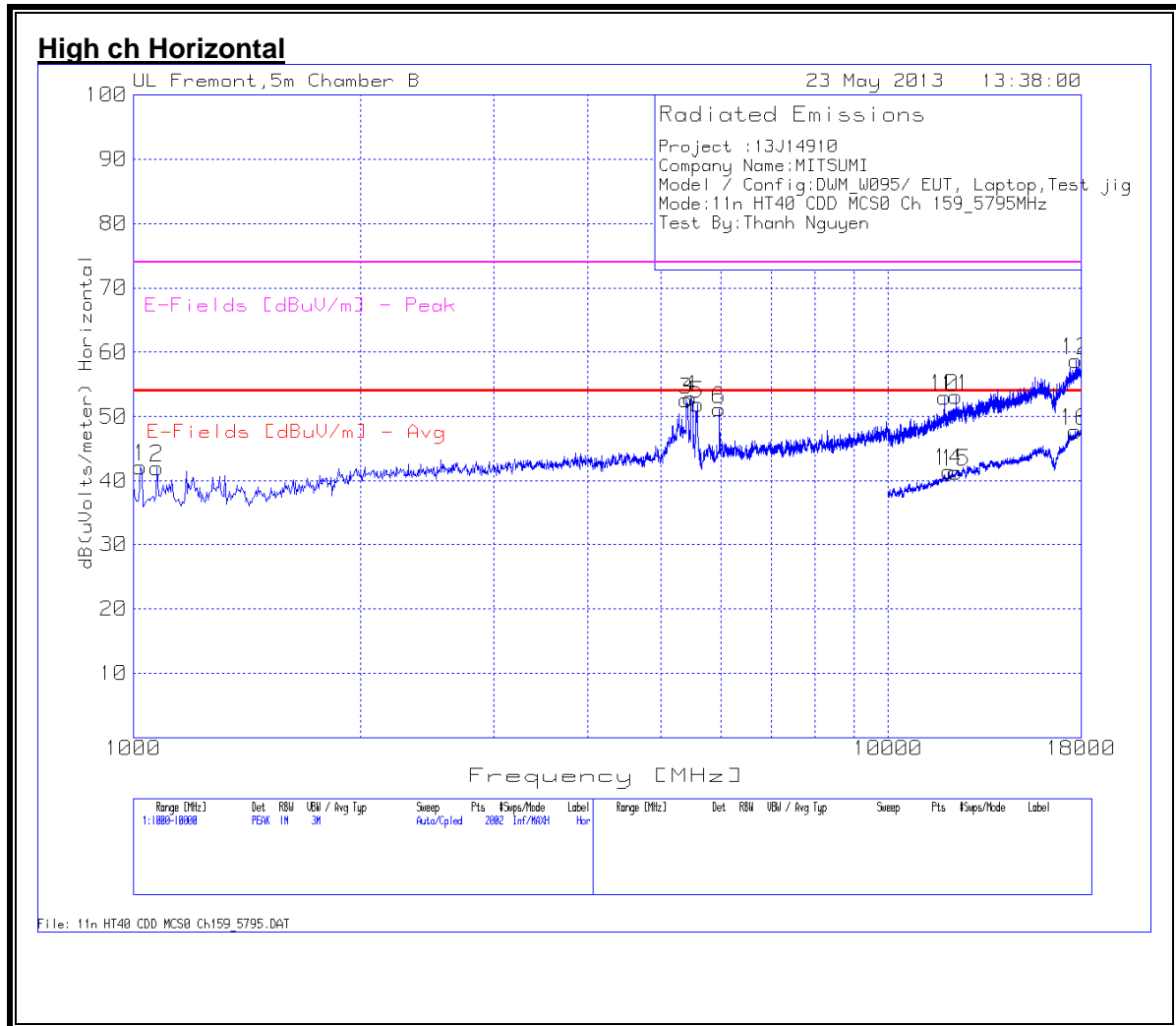
#### Horizontal 1000 - 10000MHz

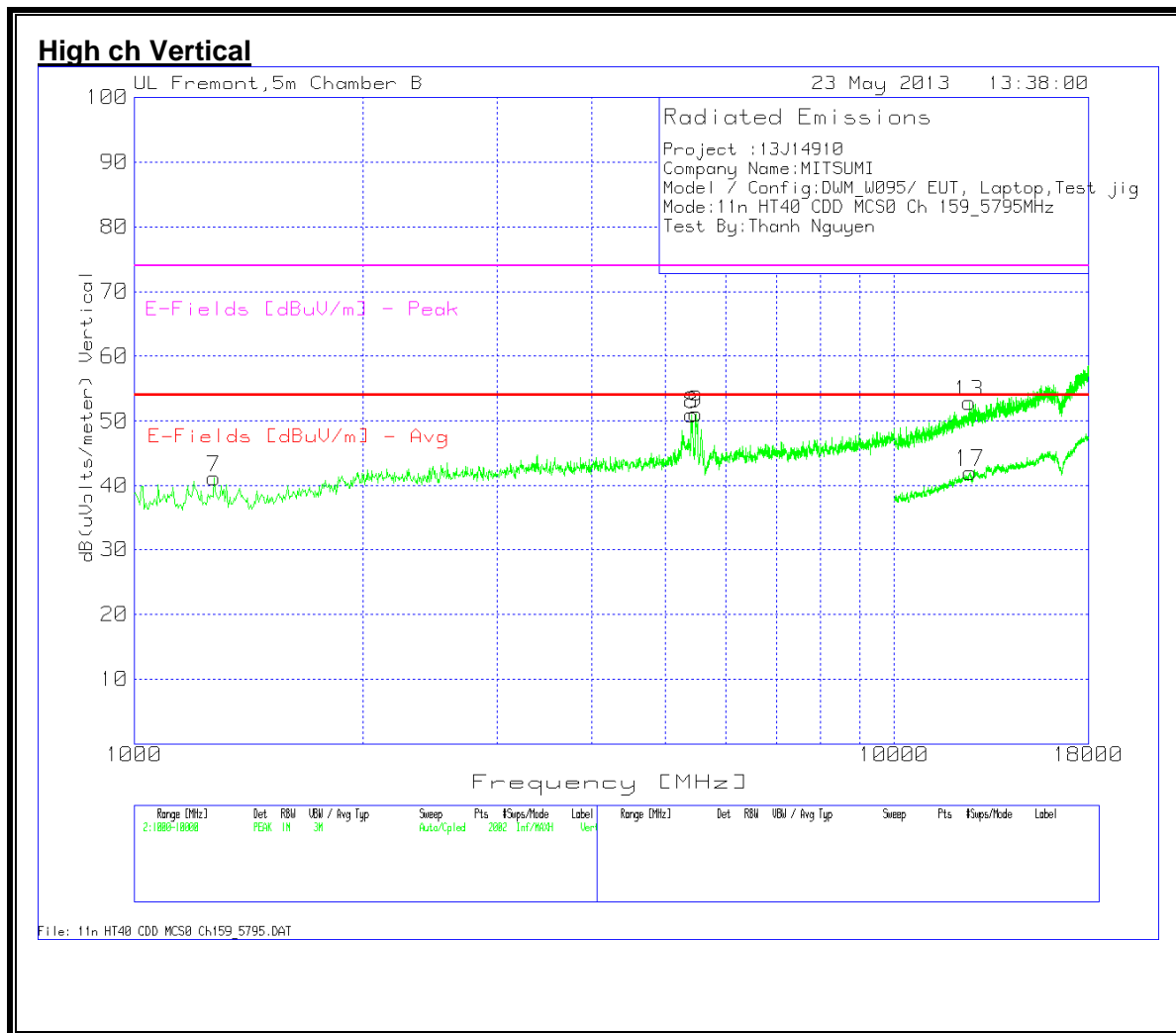
| Marker No. | Test Frequency | Meter Reading [dBuV] | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 2          | 5372.762       | 31.28                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 38.88                              | 53.97                   | -15.09      | -                        | -           | 143         | Horz     |

#### Vertical 1000 - 10000MHz

| Marker No. | Test Frequency | Meter Reading [dBuV] | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts/meter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 6          | 5444.342       | 28.93                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 36.53                              | 53.97                   | -17.44      | -                        | -           | 164         | Vert     |

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





### HIGH CHANNEL DATA

Project :13J14910  
 Company Name:MITSUMI  
 Model / Config:DWM\_W095/ EUT, Laptop,Test jig  
 Mode:11n HT40 CDD MCS0 Ch 159\_5795MHz  
 Test By:Thanh Nguyen

**Horizontal 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts/m eter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 1          | 1022.489             | 47.39                | PK       | 27.5                   | -36                   | 3.2               | 0.1           | 42.19                               | 53.97                   | -11.78      | 74                       | -31.81      | 100         | Horz     |
| 2          | 1076.462             | 46.9                 | PK       | 27.8                   | -35.9                 | 3.2               | 0.1           | 42.1                                | 53.97                   | -11.87      | 74                       | -31.9       | 100         | Horz     |
| 3          | 5403.298             | 44.95                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 52.55                               | 53.97                   | -1.42       | 74                       | -21.45      | 100         | Horz     |
| 4          | 5475.262             | 45.18                | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 52.88                               | -                       | -           | 68.2                     | -15.32      | 100         | Horz     |
| 5          | 5587.706             | 44.08                | PK       | 35                     | -34.9                 | 7.6               | 0.1           | 51.88                               | -                       | -           | 68.2                     | -16.32      | 100         | Horz     |
| 6          | 5979.01              | 42.29                | PK       | 35.8                   | -34.9                 | 7.9               | 0.1           | 51.19                               | -                       | -           | 68.2                     | -17.01      | 100         | Horz     |

**Vertical 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts/m eter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 7          | 1274.363             | 44.68                | PK       | 28.6                   | -35.6                 | 3.4               | 0.1           | 41.18                               | -                       | -           | 68.2                     | -27.02      | 300         | Vert     |
| 8          | 5407.796             | 43.36                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 50.96                               | 53.97                   | -3.01       | 74                       | -23.04      | 200         | Vert     |
| 9          | 5484.258             | 43.39                | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 51.09                               | -                       | -           | 68.2                     | -17.11      | 200         | Vert     |

**Horizontal 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 10         | 11863.068            | 35.58                | PK       | 39.1                   | -33.4                 | 11.5              | 0.2           | 52.98                               | -                       | -           | 74                       | -21.02      | 200         | Horz     |
| 11         | 12282.859            | 34.89                | PK       | 39.2                   | -32.9                 | 11.7              | 0.2           | 53.09                               | -                       | -           | 74                       | -20.91      | 200         | Horz     |
| 12         | 17732.134            | 33.02                | PK       | 42.2                   | -31.4                 | 14.7              | 0.2           | 58.72                               | -                       | -           | 74                       | -15.28      | 200         | Horz     |

**Vertical 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 13         | 12554.723            | 34.02                | PK       | 39.2                   | -32.5                 | 11.9              | 0.2           | 52.82                               | -                       | -           | 74                       | -21.18      | 100         | Vert     |

**Horizontal 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 14         | 12018.991            | 23.81                | PK       | 39.2                   | -33.3                 | 11.6              | 0.2           | 41.51                               | 53.97                   | -12.46      | 74                       | -32.49      | 100         | Horz     |
| 15         | 12278.861            | 23.15                | PK       | 39.2                   | -32.9                 | 11.7              | 0.2           | 41.35                               | 53.97                   | -12.62      | 74                       | -32.65      | 100         | Horz     |
| 16         | 17668.166            | 22.27                | PK       | 42.1                   | -31.4                 | 14.6              | 0.2           | 47.77                               | 53.97                   | -6.2        | 74                       | -26.23      | 100         | Horz     |

**Vertical 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T167 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 17         | 12574.713            | 23.13                | PK       | 39.2                   | -32.4                 | 11.9              | 0.2           | 42.03                               | 53.97                   | -11.94      | 74                       | -31.97      | 200         | Vert     |

**Horizontal 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts/m eter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 3          | 5403.4223            | 28.05                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 35.65                               | 53.97                   | -18.32      | -                        | -           | 137         | Horz     |

**Vertical 1000 - 10000MHz**

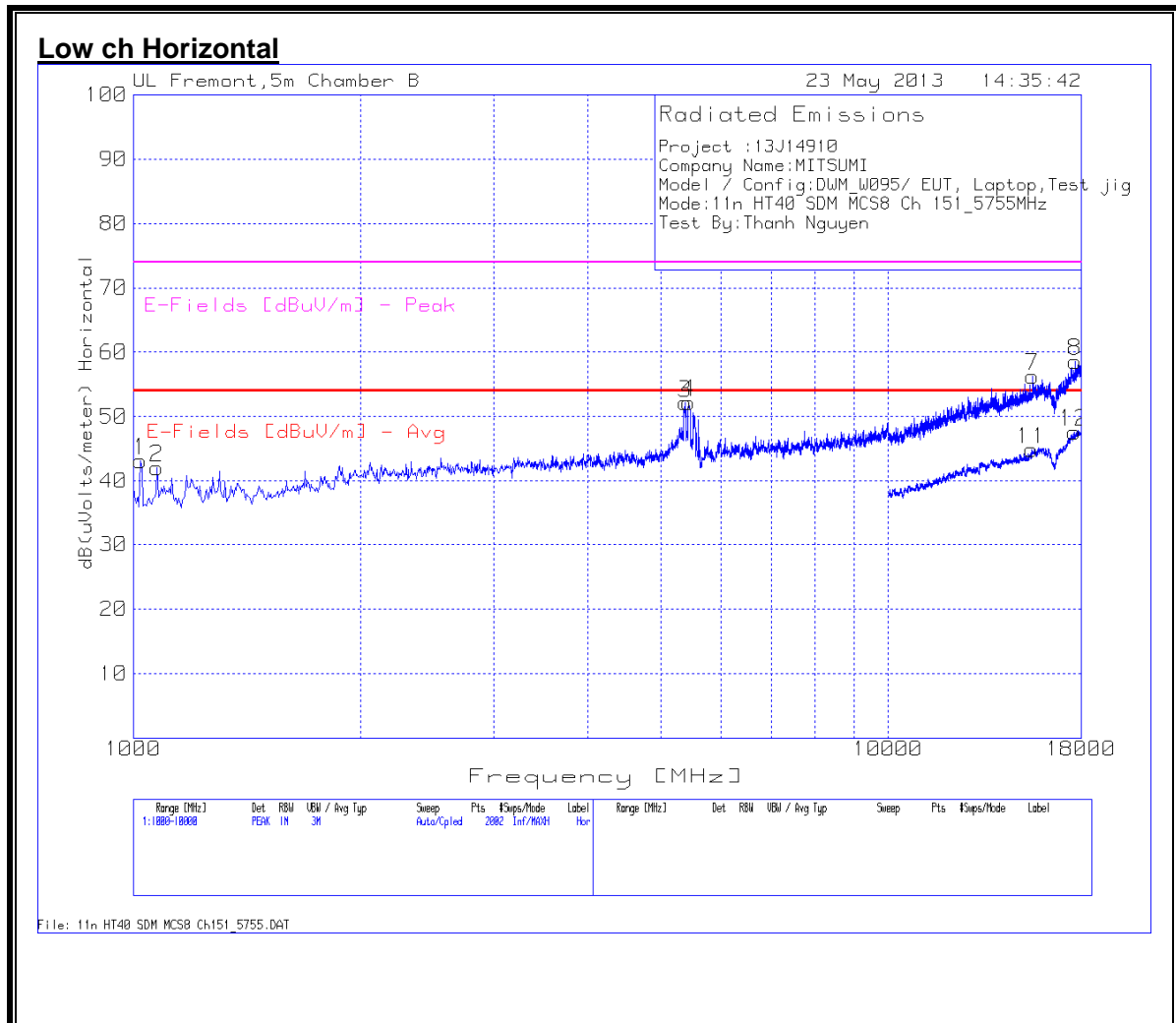
| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | Corrected Reading dB(uVolts/m eter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 8          | 5414.7553            | 20.77                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 28.37                               | 53.97                   | -25.6       | -                        | -           | 292         | Vert     |

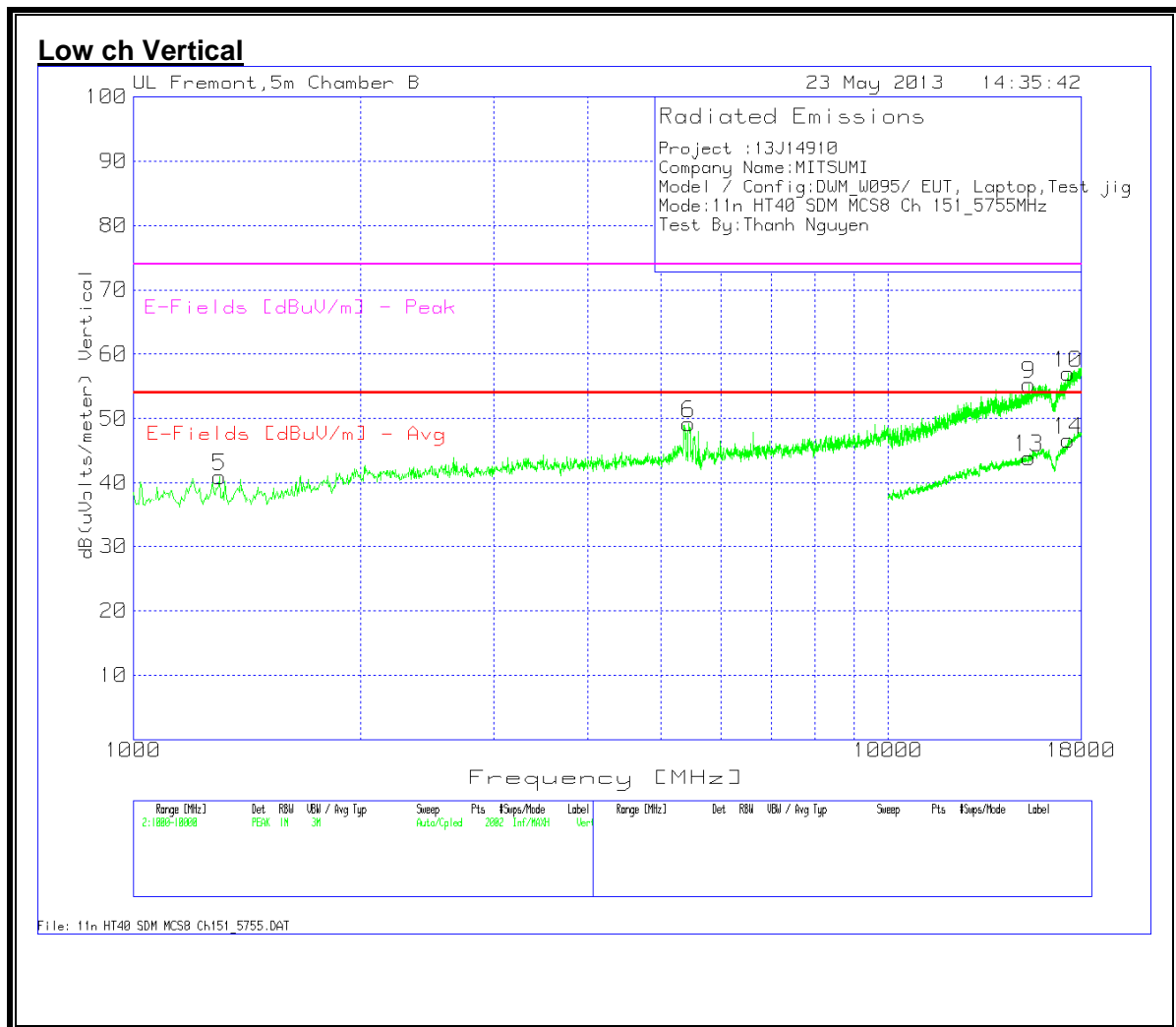
PK - Peak detector  
 QP - Quasi-Peak detector  
 Av - Average detector



### 9.2.7 TX ABOVE 1 GHz 802.11n HT40 SDM MCS8 MODE, 5.8 GHz BAND

#### HARMONICS AND SPURIOUS EMISSIONS





### LOW CHANNEL DATA

Project :13J14910  
 Company Name: MITSUMI  
 Model / Config: DWM\_W095/ EUT, Laptop, Test jig  
 Mode: 11n HT40 SDM MCS8 Ch 151\_5755MHz  
 Test By: Thanh Nguyen

**Horizontal 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BR [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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|--------------|-------------------------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 1          | 1022.489             | 48.29                | PK       | 27.5                   | -36                   | 3.2               | 0.1          | 43.09                               | 53.97                   | -10.88              | 74                       | -30.91           | 100         | Horz     |
| 2          | 1076.462             | 46.82                | PK       | 27.8                   | -35.9                 | 3.2               | 0.1          | 42.02                               | 53.97                   | -11.95              | 74                       | -31.98           | 100         | Horz     |
| 3          | 5385.307             | 44.54                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1          | 52.14                               | 53.97                   | -1.83               | 74                       | -21.86           | 100         | Horz     |
| 4          | 5448.276             | 44.61                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1          | 52.21                               | 53.97                   | -1.76               | 74                       | -21.79           | 100         | Horz     |

**Vertical 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BR [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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|--------------|-------------------------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 5          | 1301.349             | 44.32                | PK       | 28.5                   | -35.5                 | 3.5               | 0.1          | 40.92                               | 53.97                   | -13.05              | 74                       | -33.08           | 400         | Vert     |
| 6          | 5448.276             | 41.64                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1          | 49.24                               | 53.97                   | -4.73               | 74                       | -24.76           | 200         | Vert     |

**Horizontal 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BR [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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|--------------|-------------------------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 7          | 15513.243            | 34.57                | PK       | 40.9                   | -32.9                 | 13.5              | 0.2          | 56.27                               | -                       | -                   | 74                       | -17.73           | 100         | Horz     |
| 8          | 17700.125            | 32.93                | PK       | 42.2                   | -31.4                 | 14.7              | 0.2          | 58.63                               | -                       | -                   | 74                       | -15.37           | 200         | Horz     |

**Vertical 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BR [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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|--------------|-------------------------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 9          | 15369.315            | 34.03                | PK       | 40.6                   | -32.9                 | 13.4              | 0.2          | 55.33                               | -                       | -                   | 74                       | -18.67           | 200         | Vert     |
| 10         | 17300.35             | 32.42                | PK       | 41.7                   | -31.7                 | 14.4              | 0.2          | 57.02                               | -                       | -                   | 68.2                     | -11.18           | 100         | Vert     |

**Horizontal 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BR [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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|--------------|-------------------------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 11         | 15501.249            | 23.14                | PK       | 40.9                   | -32.9                 | 13.5              | 0.2          | 44.84                               | 53.97                   | -9.13               | 74                       | -29.16           | 200         | Horz     |
| 12         | 17648.176            | 22.18                | PK       | 42.1                   | -31.5                 | 14.6              | 0.2          | 47.58                               | -                       | -                   | 68.2                     | -20.62           | 100         | Horz     |

**Vertical 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BR [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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|--------------|-------------------------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 13         | 15357.321            | 22.61                | PK       | 40.6                   | -32.9                 | 13.4              | 0.2          | 43.91                               | 53.97                   | -10.06              | 74                       | -30.09           | 200         | Vert     |
| 14         | 17316.342            | 21.86                | PK       | 41.7                   | -31.6                 | 14.5              | 0.2          | 46.66                               | -                       | -                   | 68.2                     | -21.54           | 200         | Vert     |

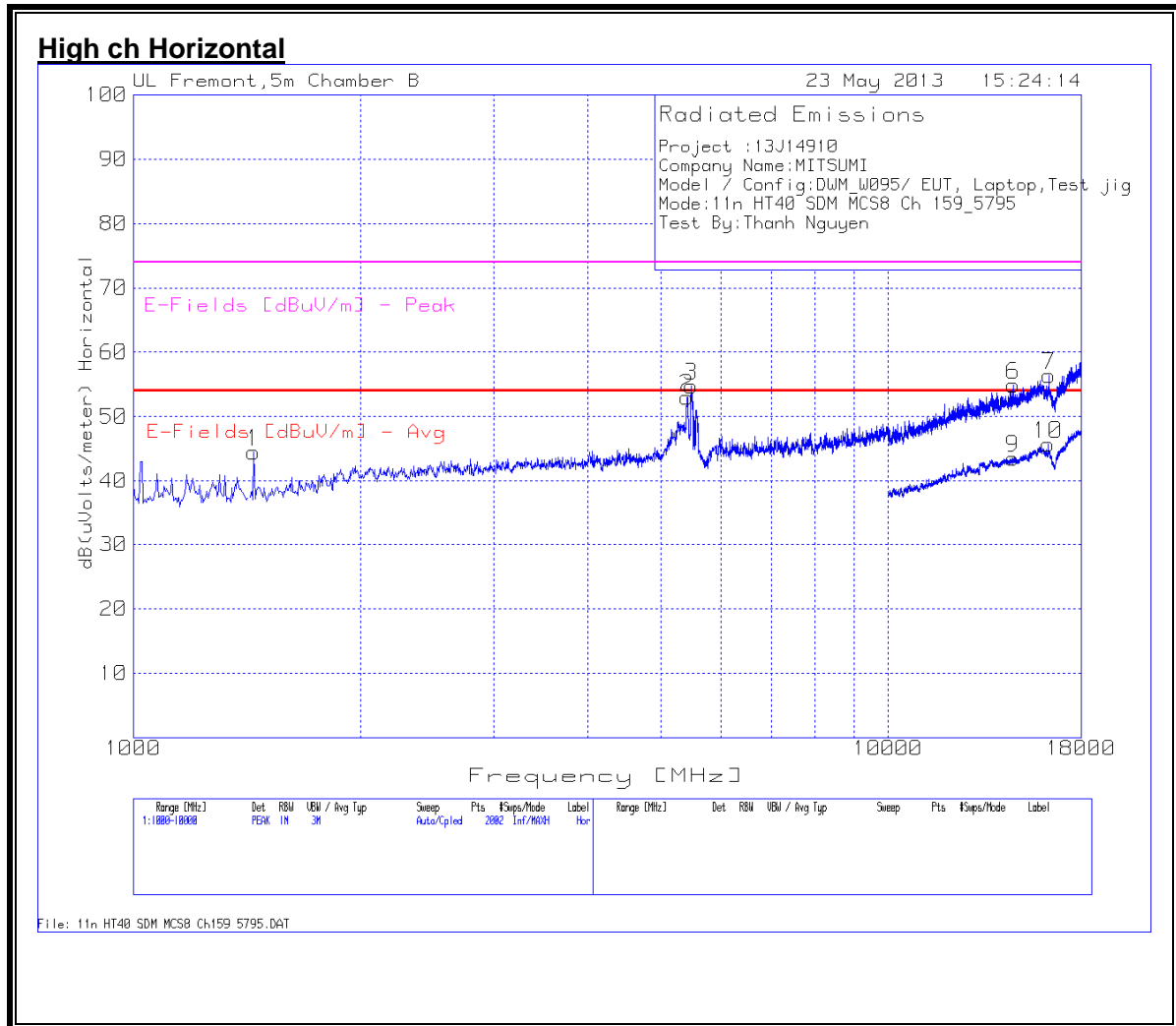
**Horizontal 1000 - 10000MHz**

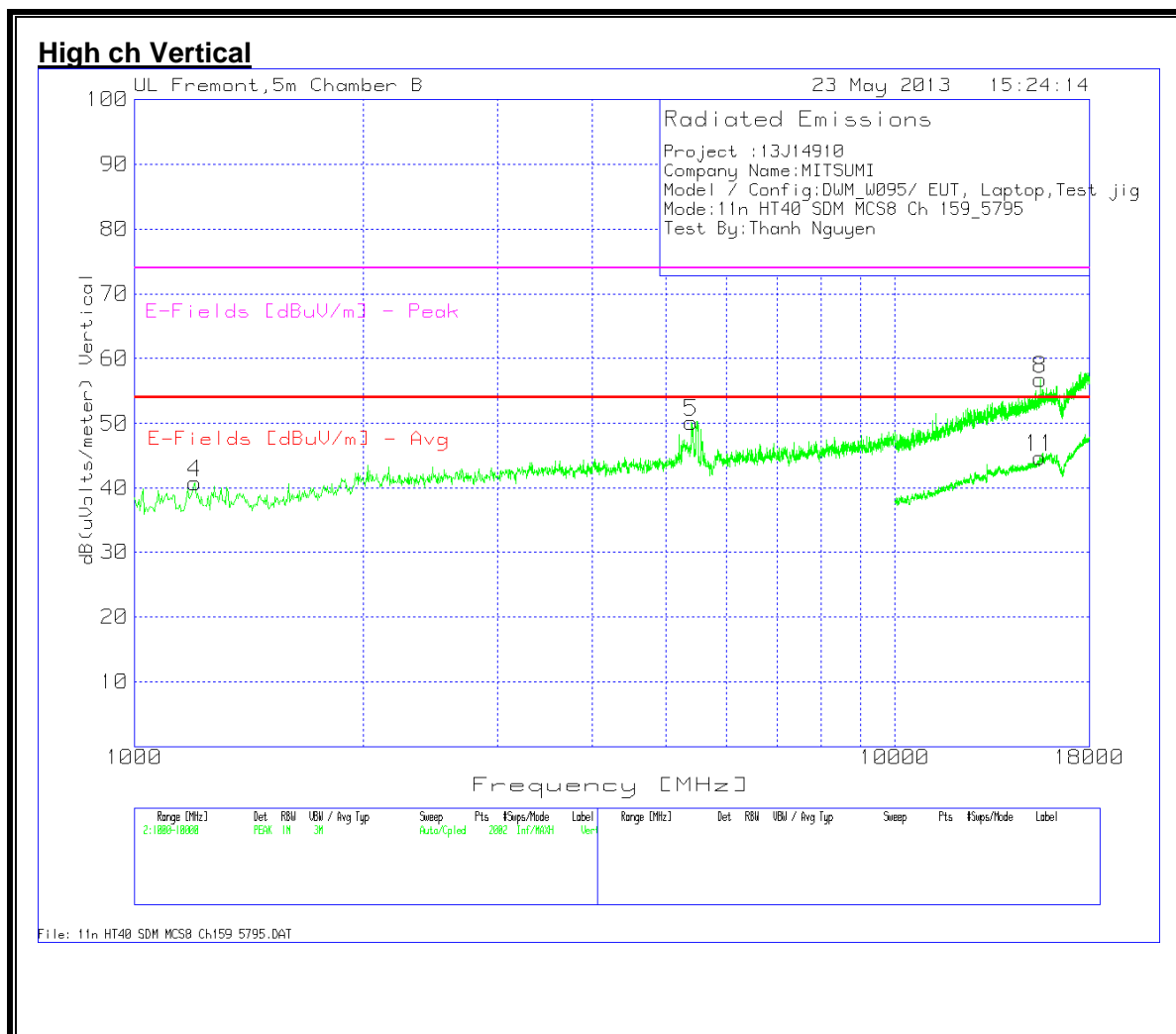
| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BR [dB] | Corrected Reading dB(uVolts/m eter) | E-Fields [dBuV/m] - Avg | Average Margin (dB) | E-Fields [dBuV/m] - Peak | Peak Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|--------------|-------------------------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 3          | 5383.889             | 22.54                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1          | 30.14                               | 53.97                   | -23.83              | -                        | -                | 362         | Horz     |
| 4          | 5447.326             | 21.33                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1          | 28.93                               | 53.97                   | -25.04              | -                        | -                | 222         | Horz     |

**Vertical 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BR [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          | 5449.526             | 21.25                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1          | 28.85                               | 53.97                   | -25.12              | -                        | -                | 270         | Vert     |

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





### HIGH CHANNEL DATA

Project :1314910  
 Company Name: MITSUMI  
 Model / Config: DWM\_W095/ EUT, Laptop, Test jig  
 Mode: 11n HT40 SDM MCS8 Ch 159\_5795  
 Test By: Thanh Nguyen

**Horizontal 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 1          | 1445.277             | 47.75                | PK       | 28.3                   | -35.3                 | 3.6               | 0.1           | 44.45             | -                       | -                   | 68.2                     | -29.55           | 100         | Horz     |
| 2          | 5412.294             | 45.48                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 53.08             | 53.97                   | -0.89               | 74                       | -20.92           | 100         | Horz     |
| 3          | 5479.76              | 47.1                 | PK       | 34.9                   | -34.9                 | 7.6               | 0.1           | 54.8              | -                       | -                   | 68.2                     | -19.2            | 100         | Horz     |

**Vertical 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 4          | 1202.399             | 44.6                 | PK       | 28.4                   | -35.7                 | 3.4               | 0.1           | 40.8              | 53.97                   | -13.17              | 74                       | -33.2            | 100         | Vert     |
| 5          | 5403.298             | 42.57                | PK       | 34.9                   | -34.9                 | 7.5               | 0.1           | 50.17             | 53.97                   | -3.8                | 74                       | -23.83           | 200         | Vert     |

**Horizontal 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 6          | 14645.677            | 34.62                | PK       | 39.8                   | -32.7                 | 13                | 0.2           | 54.92             | -                       | -                   | 68.2                     | -19.08           | 200         | Horz     |
| 7          | 16332.834            | 33.55                | PK       | 41.4                   | -32.6                 | 13.9              | 0.2           | 56.45             | -                       | -                   | 68.2                     | -17.55           | 200         | Horz     |

**Vertical 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 8          | 15513.243            | 35.17                | PK       | 40.9                   | -32.9                 | 13.5              | 0.2           | 56.87             | -                       | -                   | 74                       | -17.13           | 200         | Vert     |

**Horizontal 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 9          | 14625.687            | 23.19                | PK       | 39.8                   | -32.7                 | 13                | 0.2           | 43.49             | -                       | -                   | 68.2                     | -30.51           | 200         | Horz     |
| 10         | 16300.85             | 22.85                | PK       | 41.4                   | -32.6                 | 13.9              | 0.2           | 45.75             | -                       | -                   | 68.2                     | -28.25           | 100         | Horz     |

**Vertical 10000 - 18000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 11         | 15505.247            | 23.01                | PK       | 40.9                   | -32.9                 | 13.5              | 0.2           | 44.71             | 53.97                   | -9.26               | 74                       | -29.29           | 100         | Vert     |

**Horizontal 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 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 |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|---------------------|--------------------------|------------------|-------------|----------|
| 2          | 5412.2983            | 13.04                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 20.64             | 53.97                   | -33.33              | -                        | -                | 304         | Horz     |

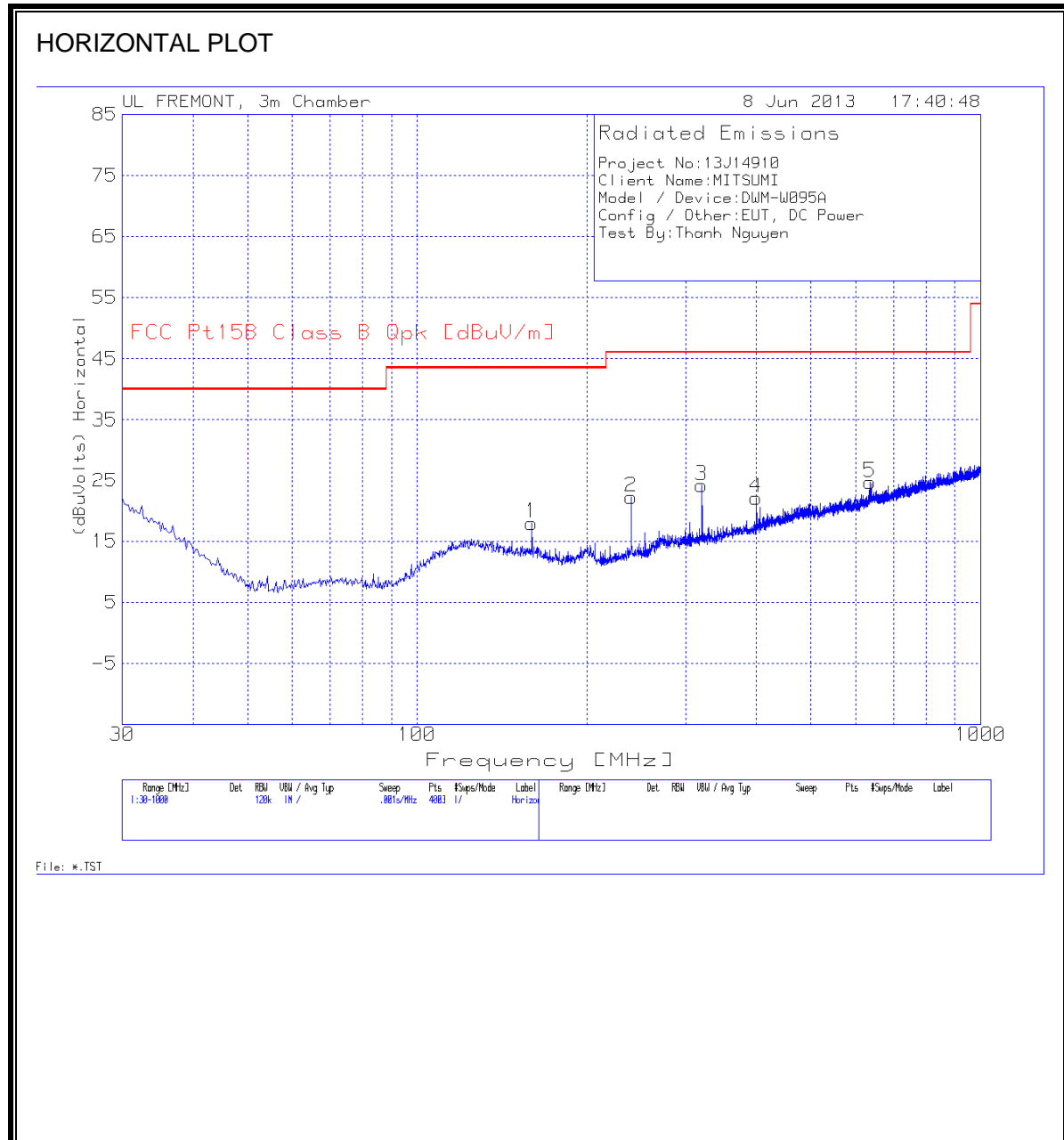
**Vertical 1000 - 10000MHz**

| Marker No. | Test Frequency (MHz) | Meter Reading (dBuV) | Detector | T345 Ant Factor [dB/m] | T145 Preamp Gain [dB] | Cable Factor [dB] | T163 BRF [dB] | dB(uVolts/m eter) | E-Fields [dBuV/m] - Avg | Margin (dB) | E-Fields [dBuV/m] - Peak | Margin (dB) | Height [cm] | Polarity |
|------------|----------------------|----------------------|----------|------------------------|-----------------------|-------------------|---------------|-------------------|-------------------------|-------------|--------------------------|-------------|-------------|----------|
| 5          | 5403.8379            | 11.27                | Av       | 34.9                   | -34.9                 | 7.5               | 0.1           | 18.87             | 53.97                   | -35.1       | -                        | -           | 364         | Vert     |

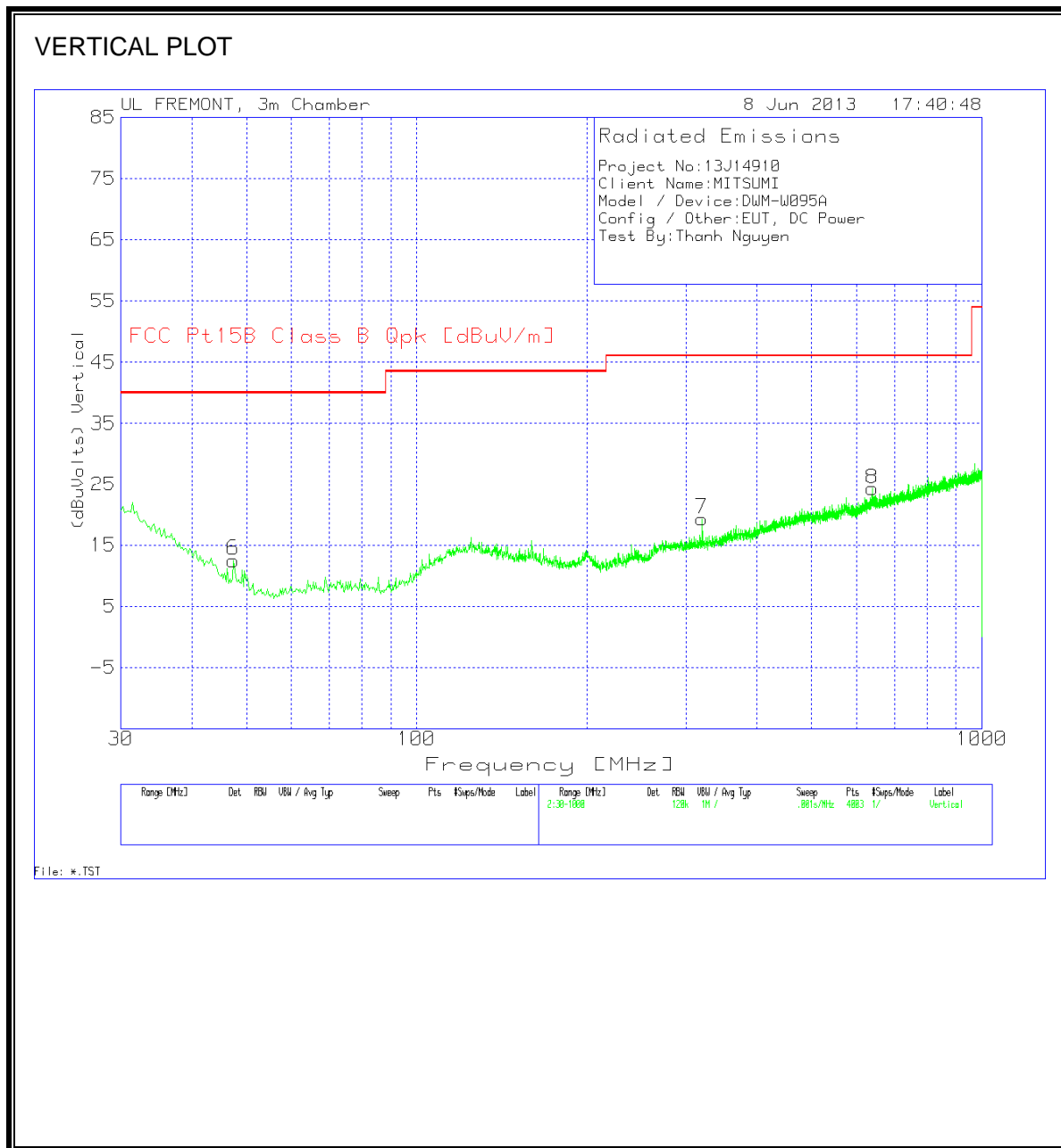
PK - Peak detector  
 QP - Quasi-Peak detector  
 Av - Average detector

### 9.3. WORST-CASE BELOW 1 GHz

#### SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



**SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)**





**EMISSIONS DATA**

Project No:13J14910  
 Client Name:MITSUMI  
 Model / Device:DWM-W095A  
 Config / Other:EUT, DC Power  
 Test By:Thanh Nguyen

| Marker No.                     | Test Frequency | Meter Reading | Detector | Antenna T185 | 3m Loop | DC Corr [dB] | (dBuVolts) | FCC Pt15B Class B Qpk [dBuV/m] | Margin (dB) | Height [cm] | Polarity |
|--------------------------------|----------------|---------------|----------|--------------|---------|--------------|------------|--------------------------------|-------------|-------------|----------|
| <b>Horizontal 30 - 1000MHz</b> |                |               |          |              |         |              |            |                                |             |             |          |
| 1                              | 159.8826       | 31.83         | PK       | 12.2         | -26.2   | 0.1          | 17.93      | 43.52                          | -25.59      | 301         | Horz     |
| 2                              | 239.8476       | 36.03         | PK       | 11.6         | -25.5   | 0.1          | 22.23      | 46.02                          | -23.79      | 100         | Horz     |
| 3                              | 320.055        | 35.44         | PK       | 13.8         | -25.2   | 0.1          | 24.14      | 46.02                          | -21.88      | 100         | Horz     |
| 4                              | 400.02         | 32.26         | PK       | 15.4         | -25.7   | 0.1          | 22.06      | 46.02                          | -23.96      | 100         | Horz     |
| 5                              | 635.311        | 30.33         | PK       | 19.6         | -25.3   | 0.1          | 24.73      | 46.02                          | -21.29      | 400         | Horz     |
| <b>Vertical 30 - 1000MHz</b>   |                |               |          |              |         |              |            |                                |             |             |          |
| 6                              | 47.4469        | 30.65         | PK       | 9            | -27.3   | 0.1          | 12.45      | 40                             | -27.55      | 99          | Vert     |
| 7                              | 320.055        | 30.59         | PK       | 13.8         | -25.2   | 0.1          | 19.29      | 46.02                          | -26.73      | 249         | Vert     |
| 8                              | 639.4304       | 29.73         | PK       | 19.7         | -25.3   | 0.1          | 24.23      | 46.02                          | -21.79      | 99          | Vert     |

## 10. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)

RSS-Gen 7.2.2

| Frequency of Emission (MHz) | Conducted Limit (dBuV) |                       |
|-----------------------------|------------------------|-----------------------|
|                             | Quasi-peak             | Average               |
| 0.15-0.5                    | 66 to 56 <sup>*</sup>  | 56 to 46 <sup>*</sup> |
| 0.5-5                       | 56                     | 46                    |
| 5-30                        | 60                     | 50                    |

<sup>\*</sup>Decreases with the logarithm of the frequency.

### TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

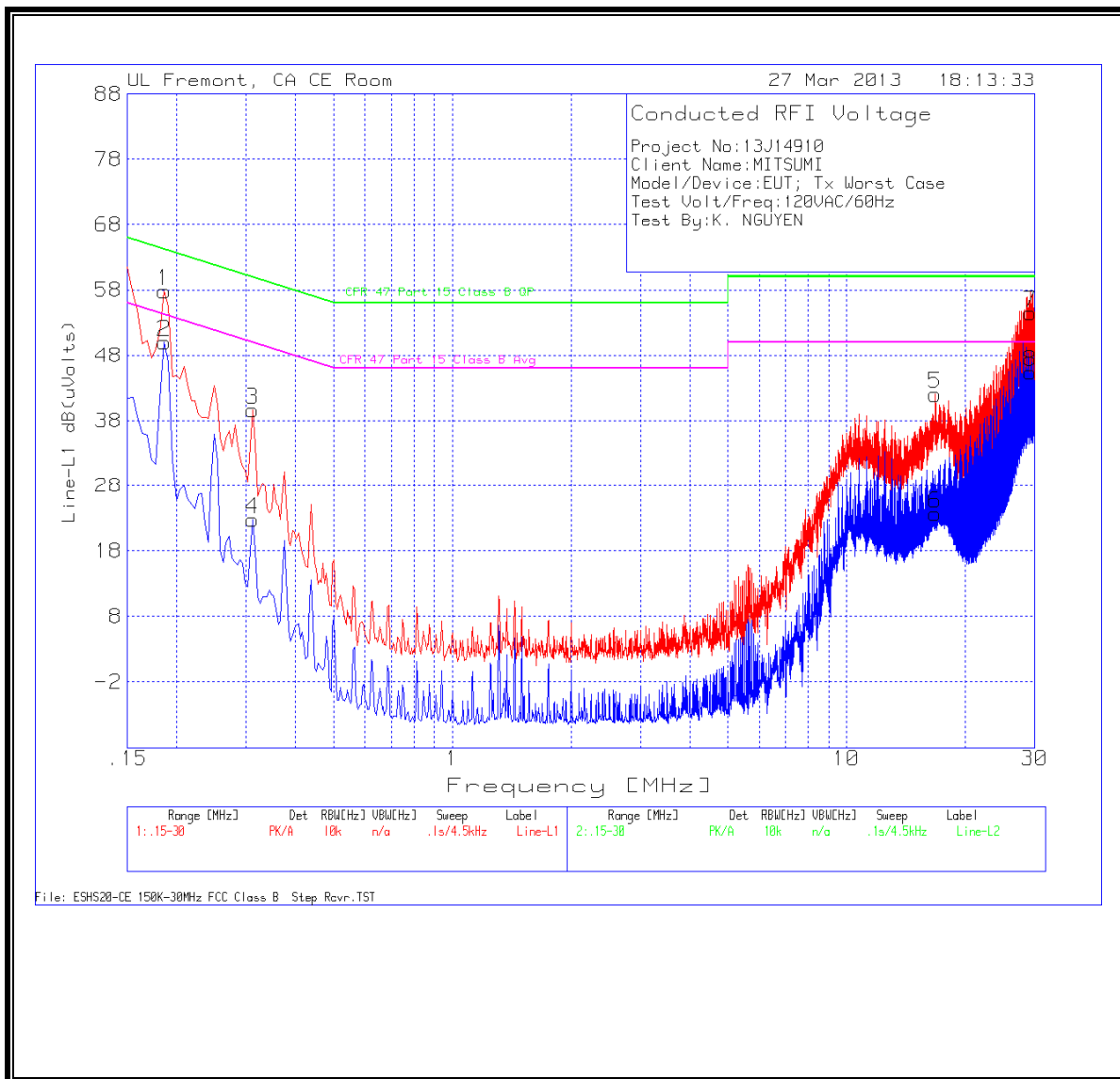
Line conducted data is recorded for both NEUTRAL and HOT lines.

**RESULTS**

**6 WORST EMISSIONS**

| Project No:13J14910             |               |          |                    |                |            |                           |        |                            |        |
|---------------------------------|---------------|----------|--------------------|----------------|------------|---------------------------|--------|----------------------------|--------|
| Client Name:MITSUMI             |               |          |                    |                |            |                           |        |                            |        |
| Model/Device:EUT; Tx Worst Case |               |          |                    |                |            |                           |        |                            |        |
| Test Volt/Freq: 120VAC/60Hz     |               |          |                    |                |            |                           |        |                            |        |
| Test By: K. NGUYEN              |               |          |                    |                |            |                           |        |                            |        |
| Line-L1 .15 - 30MHz             |               |          |                    |                |            |                           |        |                            |        |
| Test Frequency                  | Meter Reading | Detector | T24 IL L1.TXT (dB) | LC Cables (dB) | dB(uVolts) | CFR 47 Part 15 Class B QP | Margin | CFR 47 Part 15 Class B Avg | Margin |
| 0.186                           | 57.75         | PK       | 0.1                | 0              | 57.85      | 64.2                      | -6.35  | -                          | -      |
| 0.186                           | 49.88         | Av       | 0.1                | 0              | 49.98      | -                         | -      | 54.2                       | -4.22  |
| 0.312                           | 39.52         | PK       | 0.1                | 0              | 39.62      | 59.9                      | -20.28 | -                          | -      |
| 0.312                           | 22.68         | Av       | 0.1                | 0              | 22.78      | -                         | -      | 49.9                       | -27.12 |
| 16.8135                         | 41.62         | PK       | 0.2                | 0.2            | 42.02      | 60                        | -17.98 | -                          | -      |
| 16.8135                         | 23.21         | Av       | 0.2                | 0.2            | 23.61      | -                         | -      | 50                         | -26.39 |
| 29.3325                         | 53.71         | PK       | 0.5                | 0.3            | 54.51      | 60                        | -5.49  | -                          | -      |
| 29.3325                         | 44.56         | Av       | 0.5                | 0.3            | 45.36      | -                         | -      | 50                         | -4.64  |
| Line-L2 .15 - 30MHz             |               |          |                    |                |            |                           |        |                            |        |
| Test Frequency                  | Meter Reading | Detector | T24 IL L2.TXT (dB) | LC Cables (dB) | dB(uVolts) | CFR 47 Part 15 Class B QP | Margin | CFR 47 Part 15 Class B Avg | Margin |
| 0.186                           | 56.96         | PK       | 0.1                | 0              | 57.06      | 64.2                      | -7.14  | -                          | -      |
| 0.186                           | 52.72         | Av       | 0.1                | 0              | 52.82      | -                         | -      | 54.2                       | -1.38  |
| 0.312                           | 36.34         | PK       | 0.1                | 0              | 36.44      | 59.9                      | -23.46 | -                          | -      |
| 0.312                           | 30.58         | Av       | 0.1                | 0              | 30.68      | -                         | -      | 49.9                       | -19.22 |
| 16.818                          | 38.56         | PK       | 0.2                | 0.2            | 38.96      | 60                        | -21.04 | -                          | -      |
| 16.818                          | 22.94         | Av       | 0.2                | 0.2            | 23.34      | -                         | -      | 50                         | -26.66 |
| 29.454                          | 50.58         | PK       | 0.5                | 0.3            | 51.38      | 60                        | -8.62  | -                          | -      |

**LINE 1 RESULTS**



**LINE 2 RESULTS**

