



## Sporton International Inc. Hsinchu Laboratory



# Radiated Composite Gain Data\_Radio 1 6GHz for EUT 2

# Appendix G

|           |               |                 |                 |                 |                 |                 |                  |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(22.5°)  | 5.39/5.38     | 5.24/7.8        | 3.65/62.7       | 1.43/-1.49      | -3.81/-7.01     | -10.85/-10.69   | -7.24/-5.27      | -2.01/-0.66       | 0.20/0.3          | 1.67/0.38         | 3.72/4.18         | 4.45/3.67         | 4.01/4.21         | 4.04/3.56         | 2.81/6.1          | 0.15/-2.5         | -4.9/-7.7         | -12.86/-18.83     | -13.33/-7.62      | -4.09/-1.56       | 0.42/2.33         | 3.53/4.24         | 4.46/5.38         | 5.42/5.13         |
| Θ(30°)    | 4.51/4.33     | 4.36/3.84       | 2.78/-1.42      | 0.06/-2.52      | -7.1/-9.21      | -16.34/-11.23   | -6.32/-3.99      | -2.32/-0.44       | 0.16/-0.02        | 0.41/1.1          | 1.81/2.03         | 2.75/2.84         | 2.95/2.85         | 2.43/-1.74        | 0.90/0.8          | -1.73/-4.83       | -8.47/-11.01      | -17.91/-16.33     | -10.57/-7.16      | -3.68/-2.24       | -1.24/0.83        | 2.35/3.55         | 4.09/3.91         | 4.04/4.2          |
| Θ(37.5°)  | 3.3/3.35      | 3.29/2.39       | 1.39/0.03       | -2.54/-3.4      | -8.25/-9.99     | -18.39/-14.99   | -7.85/-5.57      | -1.93/-1.06       | -0.79/-0.31       | -0.33/-0.9        | -1.07/-1.21       | -1.04/-0.56       | -1.74/-0.72       | -0.73/-0.85       | -1.03/-2.74       | -5.33/-7.76       | -15.18/-18.29     | -15.57/-10.85     | -8.34/-6.08       | -5.47/-3.06       | -1.94/-0.5        | 0.72/1.46         | 2.73/3.1          | 3.74/3.1          |
| Θ(45°)    | 2.36/2.13     | 1.85/1.21       | 0.53/-1.45      | -2.94/-4.38     | -7.53/-12.13    | -13.52/-18.81   | -16.02/-9.17     | -4.74/-3.14       | -2.12/-1.54       | -2.52/-2.35       | -3.76/-5.01       | -3.54/-3.58       | -4.18/-3.47       | -3.97/-5.04       | -5.22/-7.95       | -9.35/-11.91      | -18.39/-18.8      | -15.33/-12.84     | -11.69/-7.26      | -6.57/-3.96       | -4.75/-1.8        | -1.24/0.76        | 1.76/2.03         | 2.28/2.68         |
| Θ(52.5°)  | 0.63/0.34     | -0.27/-0.05     | -0.98/-3.08     | -4.17/-6.46     | -8.07/-15.16    | -12.85/-18.5    | -15.2/-13.67     | -7.91/-4.75       | -4.93/-3.66       | -3.48/-5.82       | -6.27/-6.7        | -8.55/-6.87       | -7.77/-6.26       | -8.45/-6.8        | -8.58/-11.44      | -12.34/-18.23     | -18.18/-13.21     | -16.06/-18.16     | -13.91/-10.05     | -8.27/-9.09       | -6.44/-3.85       | -3.32/-1.09       | -0.13/0.68        | 0.94/0.1          |
| Θ(60°)    | -1.12/-1.58   | -2.25/-1.73     | -2.06/-3.91     | -6.49/-7.99     | -11.1/-12.27    | -18.5/-17.82    | -16.99/-13.62    | -10.41/-8.89      | -6.67/-5.49       | -6.6/-6.5         | -6.72/-7.33       | -10.31/-9.22      | -13.05/-8.79      | -11.78/-9.68      | -9.98/-9.4        | -14.2/-18.42      | -18.53/-16.24     | -18.88/-18.96     | -16.52/-13.8      | -13.21/-13.61     | -7.91/-6.82       | -5.13/-2.95       | -1.59/-1.84       | -1.4/-4.04        |
| Θ(67.5°)  | -3.44/-3.88   | -3.58/-3.54     | -4.43/-5.4      | -7.56/-9.34     | -12.42/-15.69   | -18.64/-18.52   | -18.44/-18.7     | -16.44/-11.44     | -8.76/-7.65       | -6.77/-6.65       | -7.14/-7.7        | -9.8/-11.94       | -15.22/-17.85     | -17.32/-13.99     | -15.31/-10.15     | -18.94/-18.43     | -18.42/-18.16     | -14.65/-15.94     | -16.05/-18.87     | -15.2/-12.91      | -12.21/-10.13     | -6.14/-5.8        | -3.41/-3.48       | -3.84/-3.04       |
| Θ(75°)    | -6.36/-6.11   | -5.22/-1.54     | -6.83/-7.47     | -7.61/-9.16     | -11.72/-14.99   | -16.46/-18.24   | -17.75/-18.02    | -17.81/-14.89     | -9.63/-8.86       | -8.18/-7.9        | -9.13/-9.57       | -11.19/-12.42     | -13.96/-11.97     | -14.17/-15.03     | -14.02/-11.59     | -18.51/-18.72     | -18.26/-18.28     | -11.04/-11.41     | -14.81/-14.8      | -11.98/-11.08     | -9.77/-11.43      | -7.88/-1.7        | -5.57/-4.87       | -5.76/-5.7        |
| Θ(82.5°)  | -9.78/-8.25   | -6.71/-7.23     | -10.45/-9.45    | -8.53/-11.49    | -12.75/-17.04   | -14.42/-18.29   | -17.53/-17.66    | -17.95/-15.4      | -12.56/-10.29     | -9.42/-8.68       | -11.84/-10.68     | -13.27/-11.26     | -11.92/-14.58     | -10.98/-19.11     | -11.24/-18.36     | -15.73/-18.18     | -14.49/-15.64     | -13.13/-12.55     | -12.95/-8.6       | -8.57/-8.95       | -9.45/-9.81       | -9.56/-6.67       | -5.56/-6.52       | -7.93/-6.82       |
| Θ(90°)    | -10.7/-9.79   | -8.67/-8.78     | -12.68/-11.48   | -9.73/-11.91    | -11.87/-18.05   | -17.45/-17.83   | -17.89/-18.53    | -17.49/-15.61     | -15.21/-10.52     | -11.9/-12.24      | -12.21/-11.49     | -14.2/-12.79      | -15.19/-13.64     | -10.23/-18.31     | -14.42/-18.23     | -18.28/-19.21     | -12.73/-18.58     | -13.97/-11.82     | -9.64/-7.89       | -8.14/-9.85       | -8.46/-7.74       | -9.04/-6.8        | -8.59/-9.98       | -8.85/-8.16       |
| Θ(97.5°)  | -10.43/-11.82 | -11.56/-11.58   | -12.73/-12.31   | -10.65/-12.51   | -12.21/-16.95   | -17.11/-17.19   | -18.59/-18.02    | -18.52/-17.96     | -16.88/-12.62     | -16.67/-11.22     | -11.7/-10.4       | -16.63/-16.02     | -12.58/-17.61     | -12.91/-18.27     | -18.72/-13.95     | -12.46/-18.67     | -18.75/-11.98     | -10.13/-9.96      | -10.98/-11.43     | -8.37/-9.12       | -9.53/-7.68       | -9.16/-12.64      | -10.37/-11.26     | -10.76/-11.64     |
| Θ(105°)   | -10.29/-12.48 | -15.52/-16.99   | -15.97/-14.99   | -16/-15.27      | -18.62/-17.44   | -18.74/-19.05   | -18.15/-17.94    | -18.64/-18.12     | -18.1/-14.89      | -18.12/-12.94     | -13.6/-14.52      | -16.96/-11.27     | -12.39/-15.37     | -18.75/-18.61     | -17.23/-18.71     | -19.09/-15.15     | -17.88/-18.59     | -14.2/-11.5       | -10.35/-11.99     | -14.04/-14.12     | -10.13/-10.35     | -11.68/-12.46     | -9.97/-14.09      | -11.64/-11.64     |
| Θ(112.5°) | -14.92/-14.52 | -14.57/-17.18   | -17.38/-15.55   | -13.21/-16.55   | -16.62/-18.17   | -18.94/-18.55   | -18.48/-17.88    | -17.11/-14.58     | -18.3/-16.92      | -16.21/-18.26     | -14.15/-15.02     | -15.55/-15        | -15.87/-15.52     | -18.43/-17.98     | -17.33/-18.43     | -18.5/-14.06      | -17.29/-17.27     | -16.18/-15.69     | -10.76/-14.86     | -18.73/-12.54     | -12.53/-15.74     | -10.49/-10.8      | -11.38/-12.03     | -15.91/-13.09     |
| Θ(120°)   | -18.48/-18.23 | -16.76/-18.81   | -18.24/-18.98   | -18.34/-14.89   | -13.76/-17.06   | -18.04/-19.06   | -18.18/-18.72    | -17.4/-17.91      | -16.48/-17.95     | -16.25/-17.67     | -17.37/-18.83     | -14.67/-19.16     | -17.34/-16.96     | -16.85/-19.06     | -18.27/-16.56     | -18.77/-16.49     | -18.09/-18.08     | -18.01/-13.92     | -13.94/-17.17     | -18.74/-13.51     | -12.82/-17.04     | -12.13/-12.59     | -14.03/-12.46     | -18.03/-18.16     |
| Θ(127.5°) | -18.88/-19.37 | -18.48/-17.29   | -18.32/-17.49   | -18.11/-18.01   | -18.73/-18.73   | -17.24/-16.57   | -18.73/-18.72    | -18.46/-18.08     | -17.47/-18.18     | -18.4/-17.94      | -18.28/-17.84     | -18.07/-17.13     | -18.12/-19.02     | -18.66/-19.3      | -17.99/-18.79     | -17.77/-18.21     | -15.98/-18.17     | -18.22/-19        | -17.47/-18.38     | -17.66/-18.22     | -14.85/-14.45     | -11.68/-12.46     | -17.25/-13.6      | -13.01/-18.85     |
| Θ(135°)   | -17.52/-17.69 | -18.27/-17.84   | -17.37/-18.36   | -18.06/-18.83   | -18.96/-18.26   | -18.06/-17.58   | -17.47/-18.24    | -18.92/-19.02     | -18.68/-17.9      | -17.97/-18.11     | -18.02/-17.66     | -18.23/-18.76     | -18.77/-18.47     | -17.73/-18.32     | -18.04/-17.86     | -18.35/-17.91     | -17.61/-17.85     | -19.03/-18.68     | -15.04/-17.18     | -18.15/-18.65     | -16.12/-17.31     | -14.56/-10.23     | -14.93/-17.86     | -17.73/-18.24     |
| Θ(142.5°) | -18.12/-17.94 | -18.26/-19.17   | -19/-17.67      | -17.04/-18.23   | -18.47/-17.83   | -18.23/-18.14   | -17.5/-18.91     | -17.78/-18.6      | -18.52/-16.39     | -17.66/-17.95     | -18.74/-17.94     | -18.39/-18.72     | -18.18/-18.41     | -16.45/-18.1      | -17.44/-17.65     | -17.86/-19        | -18.18/-16.19     | -18.73/-17.58     | -18.63/-18.89     | -16.66/-16.82     | -17.84/-17.12     | -15.58/-14.72     | -15.27/-14.68     | -14.55/-17.93     |
| Θ(150°)   | -18.25/-18.38 | -18.22/-19.2    | -17.53/-18.08   | -17.96/-18.67   | -17.87/-18.02   | -18.43/-19.09   | -18.64/-18.09    | -16.19/-15.21     | -16.68/-18.29     | -17.71/-19.34     | -16.44/-14.98     | -15.82/-18.05     | -17.37/-19.15     | -17.55/-19.26     | -17.42/-18.78     | -18.72/-18.85     | -19.13/-15.94     | -16.74/-17.95     | -18.25/-16.82     | -18.13/-16.67     | -18.34/-15.11     | -16.63/-14.71     | -16.63/-18.28     | -17.47/-18.15     |
| Θ(157.5°) | -17.22/-18.7  | -18.18/-18.27   | -19.15/-18.64   | -18.05/-17.73   | -17.94/-18.34   | -18.53/-18.52   | -18.2/-17.56     | -18.03/-15.58     | -15.17/-16.6      | -18.39/-18.17     | -18.01/-18.41     | -18.07/-18.95     | -18.66/-18.48     | -18.52/-17.72     | -18.43/-18.75     | -18.73/-18.61     | -17.65/-19.25     | -18.02/-18.14     | -18.53/-18.98     | -15/-14.42        | -19.14/-17.48     | -18.58/-18.23     | -18.63/-18.64     | -18.56/-17.76     |
| Θ(165°)   | -19.23/-18.97 | -19.18/-18.79   | -18.74/-18.85   | -17.64/-18.75   | -18.66/-17.2    | -18.04/-18.71   | -18.63/-15.75    | -15.48/-14.22     | -16.8/-18.51      | -17.38/-18.13     | -18.8/-18.04      | -15.59/-17.7      | -17.75/-18.61     | -18.88/-17.69     | -18.93/-18.21     | -17.99/-13.86     | -17.3/-18.36      | -19.26/-18.71     | -17.16/-15.43     | -14.83/-14.96     | -16.09/-17.09     | -16.54/-17.16     | -17.77/-18.26     | -17.76/-18.36     |
| Θ(172.5°) | -18.68/-18.18 | -18.66/-18.52   | -18.55/-18.43   | -18.05/-18.68   | -19.09/-18.41   | -15.03/-15.16   | -14.76/-14.1     | -16.08/-18.19     | -18.47/-18.09     | -18.33/-19.21     | -18.92/-17.65     | -17.63/-18.96     | -18.1/-19.2       | -17.23/-18.08     | -18.46/-17.36     | -18.53/-17.6      | -18.36/-19.05     | -18.33/-18.69     | -16.51/-13.5      | -14.34/-15.13     | -14.71/-14.85     | -13.6/-13.29      | -16.39/-18.91     | -18.83/-17.53     |
| Θ(180°)   | -18.77/-18.8  | -18.99/-18.01   | -18.02/-18.5    | -17.79/-17.61   | -17.83/-18.54   | -17.8/-18.15    | -17.52/-17.37    | -17.86/-18.94     | -18.99/-17.98     | -19.01/-17.76     | -18.61/-17.86     | -17.31/-17.96     | -18.72/-18.63     | -18.46/-18.6      | -18.21/-17.66     | -18.74/-17.9      | -18.44/-18.84     | -17.26/-17.09     | -17.7/-19.03      | -16.24/-15.85     | -15.87/-18.14     | -15.81/-16.04     | -17.58/-18.32     | -18.69/-18.11     |
| Freq(Hz)  | 6.995GPol.    | ThetaAnt. 1     | -               | -               | -               | -               | -                | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°)  | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | -15.14/-7.31  | -3.24/-0.63     | 1.16/2.61       | 3.62/4.66       | 5.55/6.2        | 6.45/6.41       | <b>6.68/6.59</b> | 6.14/5.63         | 4.98/4.13         | 3.16/1.86         | 0.04/-2.51        | -6.19/-12.79      | -18.24/-9.34      | -4.15/-1.01       | 1.3/2.31          | 2.63/3.5          | 5.14/5.17         | 5.35/5.9          | 6.14/5.9          | 5.45/4.81         | 4.09/3.07         | 1.99/0.78         | -1.07/-3.78       | -8.1/-15.79       |
| Θ(7.5°)   | -16.22/-8.55  | -3.88/-1.29     | 0.61/2.15       | 3.21/4.04       | 4.68/5.37       | 5.65/5.7        | 5.85/5.3         | 5.44/4.85         | 4.13/3.3          | 2.37/0.92         | -1.14/-4.24       | -8.4/-15.65       | -11.67/-6.16      | -2.62/-0.36       | 1.54/3.3          | 4.53/5.3          | 5.93/6.28         | 4.66/5.1          | 6.46/5.25         | 5.88/5.45         | 2.86/1.28         | -0.83/-3.41       | -5.71/-14.95      |                   |
| Θ(15°)    | -18.15/-14.25 | -7.19/-3.55     | -1.24/0.58      | 1.86/2.89       | 3.48/4.31       | 4.63/4.76       | 4.75/4.7         | 4.28/3.3          | 2.18/1.4          | 0.77/0.21         | -1.76/-4.14       | -7.5/-14.57       | -11.88/-5.37      | -1.44/0.98        | 2.79/4.25         | 4.91/5.43         | 6.08/6.42         | 6.13/5.87         | 5.58/5.76         | 5.47/4.86         | 4.02/3.15         | 2.26/0.85         | -1.01/-3.39       | -7.02/-12.76      |
| Θ(22.5°)  | -13.94/-18.62 | -9.84/-5.18     | -2.17/-0.25     | 1.1/-1.93       | 2.11/2.79       | 2.99/3.29       | 3.1/-3.22        | 2.86/1.61         | 0.56/-0.54        | -1.42/-1.97       | -3.38/-6.26       | -9.91/-15.51      | -8.55/-4.55       | -2.83/-0.45       | 1.91/3.23         | 4.3/4.8           | 4.42/5.12         | 5.43/5.32         | 5.09/4.91         | 4.58/4.08         | 3.43/2.42         | 1.46/0.22         | -1.59/-3.32       | -5.58/-8.55       |
| Θ(30°)    | -11.1/-14.5   | -10.03/-6.15    | -3.7/-1.81      | -0.16/-1.32     | 2.07/2.1        | 2.97/2.18       | 1.71/2.18        | 0.76/-0.39        | 1.23/-2.03        | -2.66/-4.21       | -5.56/-6.7        | -9.92/-12.95      | -10.19/-6.98      | -3.91/-1.47       | 0.02/1.6          | 2.74/0.82         | 2.55/2.83         | 3.17/3.38         | 3.38/3.72         | 3.63/3.98         | 1.51/0.56         | -1.08/-4.08       | -6.35/-9.48       |                   |
| Θ(37.5°)  | -10.33/-12.81 | -11.51/-7.91    | -4.99/-2.47     | -0.50/-4.9      | 1.48/1.64       | 1.95/1.83       | 1.36/0.2         | -0.34/-2.12       | -3.33/-3.96       | -5.53/-6.84       | -8.11/-10.06      | -9.6/-16.2        | -17.4/-10.7       | -5.45/-2.08       | -0.30/3.7         | 0.29/1.23         | 2.03/1.11         | 1.56/1.1          | 0.64/1.29         | 1.13/1.17         | 0.98/0.56         | 0.18/-1.18        | -1.94/-3.81       | -7.21/-10.44      |
| Θ(45°)    | -10.79/-12.7  | -13/-9.33       | -5.61/-3.54     | -1.73/-0.32     | 0.25/0.57       | -0.22/0.42      | -0.06/-0.13      | -1.6/-2.49        | -5.63/-6.1        | -8.42/-11.05      | -10.23/-18.02     | -10.35/-18.21     | -12.19/-12.72     | -6.83/-4.79       | -2.97/-0.7        | 0.16/0.21         | 0.15/-1.06        | -1.24/-1.45       | -1.22/0.26        | 0.16/-0.32        | -0.64/-0.71       | -0.13/-1.19       | -3.94/-3.17       | -3.11/-6          |
| Θ(52.5°)  | -10.07/-14.42 | -18.27/-12.28   | -7.79/-4.18     | -2.13/-1.04     | -1.04/-1.13     | -3.04/-3.44     | -0.08/-3         | -3.67/-4.14       | -6.26/-8.98       | -12.54/-15.08     | -13.95/-10.25     | -13.57/-17.39     | -16.31/-14.45     | -8.28/-7.25       | -3.6/-2.15        | -1.02/0.91        | -1.33/-1.24       | -1.63/-1.9        | -1.35/-1.79       | -1.13/-2.64       | -1.35/-1.49       | -5.27/-4.39       | -5.27/-4.39       |                   |
| Θ(60°)    | -9.51/-11.27  | -17.37/-16.36   | -9.21/-5.23     | -3.4/-2.13      | -2.73/-3.4      | -4.24/-5.5      | -6.88/-10.21     | -6.82/-6.59       | -8.61/-10.71      | -15.05/-18.15     | -16.95/-12.23     | -17.25/-18.04     | -17.46/-18.27     | -13.38/-9.96      | -4.63/-2.88       | -1.6/-1.41        | -2.33/-1.77       | -1.82/-2.78       | -4.44/-3.38       | -1.62/-3.04       | -2.72/-1.51       | -1.94/-4.17       | -3.35/-4.49       | -6.58/-7.52       |
| Θ(67.5°)  | -10.89/-10.33 | -12.75/-11.55   | -11.97/-8.56    | -5.94/-5.44     | -4.31/-4.49     | -5.33/-6.24     |                  |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 1 6GHz for EUT 2

# Appendix G

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(60°)    | -16.09/-14.05 | -10.96/-10.01   | -6.15/-3.98     | -3.07/-2.43     | -1.23/-0.89     | -0.22/0.31      | 0.85/0.63       | 0.21/-1.81        | -2.8/-5.3         | -3.84/-7.86       | -11.29/-12.23     | -13.63/-19.17     | -17.88/-17.09     | -18.33/-14.7      | -10.08/-8.26      | -10.29/-9.25      | -8.42/-5.36       | -5.39/-4.04       | -3.53/-2.34       | -2.99/-2.73       | -1.84/-3.23       | -4.09/-5.25       | -9.06/-11.13      | -15.62/-18.26     |
| Θ(67.5°)  | -18.12/-14.93 | -12.03/-12.24   | -9.05/-6.17     | -5.86/-4.83     | -3.46/-2.44     | -2.26/-1.5      | -1.01/-0.74     | -0.46/-2.6        | -3.71/-5.46       | -6.16/-8.77       | -16.96/-18.16     | -18.77/-17.91     | -17.44/-16.07     | -17.94/-13.99     | -15.95/-13.86     | -12.35/-12.96     | -11.06/-7.75      | -8.33/-5.52       | -4.97/-5.46       | -5.71/-5.85       | -3.89/-5.45       | -6.19/-6.65       | -10.47/-12.01     | -16.76/-17.25     |
| Θ(75°)    | -18.67/-19.13 | -16.21/-13.76   | -12.95/-9.13    | -7.91/-5.86     | -5.2/-4.4       | -4.34/-2.76     | -2.47/-2.16     | -1.74/-3.17       | -4.74/-6          | -5.99/-8.16       | -14.93/-12.97     | -18.16/-18.65     | -18.16/-18.65     | -11.91/-14.17     | -9.06/-8.02       | -7.55/-6.95       | -5.46/-5.4        | -5.33/-5.84       | -6.28/-9.25       | -6.26/-8.57       | -8.72/-8.93       | -11.24/-13.95     | -17.26/-18.09     |                   |
| Θ(82.5°)  | -19.18/-18.83 | -19.71/-15.49   | -15.2/-11.91    | -9.41/-6.79     | -8.21/-6.67     | -6.08/-4.54     | -4.48/-3.92     | -2.86/-4.4        | -5.13/-6.93       | -6.25/-8.38       | -13.09/-9.92      | -12.32/-13.81     | -17.5/-14.09      | -16.81/-18.66     | -8.85/-13.48      | -9.21/-5.08       | -3.73/-5.25       | -4.55/-4.66       | -5.83/-5.55       | -7.95/-12.34      | -9.22/-10.8       | -11.48/-12.12     | -11.86/-16.25     | -17.71/-18.26     |
| Θ(90°)    | -18.09/-17.25 | -18.65/-17.76   | -16.89/-15.03   | -13.11/-9.06    | -10.75/-8.62    | -8.06/-7.46     | -7.75/-6.24     | -4.72/-5.46       | -5.23/-9.03       | -6.04/-9.4        | -12.83/-8.93      | -12.17/-12.17     | -16.27/-14.77     | -12.77/-17.97     | -16.08/-14.44     | -12.19/-5.34      | -4.35/-4.41       | -6.29/-6.28       | -5.84/-6.83       | -10.25/-15.47     | -11.21/-11.52     | -13.67/-15        | -13.28/-16.4      | -18.48/-18.83     |
| Θ(97.5°)  | -18.54/-18.39 | -18.97/-18.68   | -18.26/-16.8    | -13.03/-10.59   | -12.17/-11.92   | -11.77/-10.5    | -10.42/-9.38    | -7.47/-6.78       | -6.37/-10.97      | -7.33/-9.51       | -13.57/-11.83     | -14.65/-13.17     | -15.88/-12.51     | -11/-16.04        | -17.87/-15.77     | -15.62/-6.34      | -7.18/-6.31       | -10.21/-8.9       | -7.84/-11.38      | -17.64/-17.7      | -12.82/-12.22     | -15.2/-18.78      | -16/-19.01        | -18.16/-18.87     |
| Θ(105°)   | -17.85/-19.17 | -19.28/-18.83   | -18.67/-18.24   | -16.71/-12.4    | -15.13/-14.79   | -13.08/-12.27   | -10.57/-13.49   | -10.32/-9.11      | -8.02/-10.84      | -9.95/-10.37      | -12.61/-13.82     | -15.58/-12.54     | -16.1/-18.5       | -17.8/-17.3       | -18.78/-15.52     | -17.84/-12.23     | -10.77/-11.25     | -16.36/-11.34     | -12.61/-19.21     | -18.7/-17.64      | -13.27/-15.28     | -14.68/-17.75     | -19.37/-19.14     | -17.57/-18.2      |
| Θ(112.5°) | -18.32/-17.34 | -17.59/-18.65   | -18.32/-17.79   | -18.78/-18.02   | -18.04/-17.97   | -15.24/-13.96   | -13.06/-15.43   | -14.06/-9.7       | -12.51/-11.02     | -12.25/-11.47     | -12.32/-18.7      | -17.72/-16.18     | -16.16/-18.75     | -18.21/-16.98     | -16.95/-17.32     | -13.06/-17.76     | -13.03/-15.31     | -14.39/-14.58     | -12.73/-18.06     | -17.6/-17.96      | -18.05/-17.49     | -16.15/-17.7      | -17.11/-18.21     | -17.95/-17.48     |
| Θ(120°)   | -18.9/-18.39  | -17.65/-17.08   | -18.22/-17.33   | -15.83/-18.79   | -17.26/-18.78   | -16.77/-16.24   | -17.02/-15      | -14.76/-11.35     | -14.77/-11.51     | -15.73/-13.75     | -14.97/-13.88     | -14.46/-19.04     | -18.54/-18.23     | -17.71/-18.09     | -14.68/-18.64     | -15.95/-15.56     | -12.16/-17.87     | -13/-15.54        | -17.84/-18.95     | -17.69/-18.62     | -18.94/-18.47     | -18.09/-17.99     | -17.83/-17.69     | -18.35/-17.95     |
| Θ(127.5°) | -18.01/-17.58 | -17.58/-18.35   | -18.31/-16.06   | -18.97/-17.43   | -17.69/-19.28   | -17.96/-18.05   | -18.54/-18.3    | -17.92/-17.04     | -16.88/-12.76     | -18.08/-15.37     | -13.74/-18.85     | -15.37/-18.35     | -17.88/-18.43     | -18.44/-18.14     | -18.46/-17.69     | -18.33/-15.18     | -17.09/-16.71     | -19.23/-18.59     | -18.89/-17.7      | -18.08/-17.68     | -19.22/-18.99     | -18.02/-18.33     | -18.65/-18.09     | -18.18/-18.22     |
| Θ(135°)   | -18.85/-17.79 | -18.02/-17.89   | -19.2/-18.8     | -17.96/-18.34   | -18.55/-17.96   | -18.79/-17.61   | -19.06/-18.15   | -15.71/-18.52     | -18.19/-15.42     | -19.17/-18.53     | -19.02/-18.59     | -15.7/-18.29      | -17.41/-18.64     | -18.77/-14.89     | -14.59/-17.19     | -18.94/-18.78     | -17.86/-18.67     | -17.93/-19.46     | -17.3/-18.34      | -18.51/-18.44     | -19.02/-17.8      | -18.95/-18.69     | -17.54/-18.87     |                   |
| Θ(142.5°) | -17.84/-18.68 | -18.84/-18.05   | -18.02/-17.76   | -18.53/-17.46   | -18.05/-18.17   | -18.28/-17.57   | -17.48/-17.39   | -18.98/-17.96     | -19.01/-18.2      | -13.82/-16.15     | -16.76/-18.32     | -15.97/-14        | -18.38/-17.87     | -15.84/-17.98     | -17.77/-18.91     | -18.64/-17.95     | -18.51/-18.76     | -19.11/-17.42     | -18.9/-17.64      | -18.99/-17.96     | -18.5/-17.93      | -18.83/-19.02     | -17.47/-18.87     |                   |
| Θ(150°)   | -17.51/-18.3  | -18.62/-18.82   | -17.99/-18.47   | -18.04/-17.49   | -18.25/-19.07   | -18.27/-16.42   | -17.2/-18.45    | -18.44/-18.19     | -18.87/-18.02     | -18.88/-17.69     | -18.17/-17.31     | -18.01/-18.49     | -17.69/-18.13     | -18.47/-18.3      | -17.45/-18.3      | -18.41/-17.97     | -18.32/-18.9      | -17.85/-17.64     | -17.92/-17.6      | -17.81/-18.47     | -17.88/-18.43     | -17.76/-18.28     | -19.01/-18.9      | -17.7/-18.87      |
| Θ(157.5°) | -17.87/-17.79 | -18.04/-18.04   | -17.97/-16.9    | -17.19/-18.17   | -18.27/-18.38   | -18.43/-18.64   | -18.17/-18.01   | -18.76/-17.59     | -18.66/-17.86     | -16.18/-17.88     | -16.26/-18.96     | -18.17/-16.72     | -17.93/-17.93     | -18.19/-18.24     | -18.42/-18.27     | -17.48/-17.99     | -19.07/-18.42     | -18.21/-18.58     | -17.72/-18.82     | -18.24/-18.75     | -18.84/-19.11     | -19.07/-17.29     | -17.51/-18.24     | -18.4/-19.28      |
| Θ(165°)   | -17.34/-18.01 | -18.16/-19.05   | -19.21/-18.32   | -14.95/-18.1    | -18.33/-18.66   | -18.31/-18.18   | -17.57/-18.05   | -16.88/-17.95     | -17.64/-17.99     | -17.43/-17.84     | -18.31/-19.16     | -18.06/-17.56     | -18.93/-17.43     | -18.74/-18.22     | -19.22/-18.04     | -17.93/-18.35     | -19.18/-19.02     | -18.98/-18.09     | -18.21/-17.47     | -17.93/-18.01     | -17.04/-16.22     | -18.96/-17.65     | -17.96/-18.27     | -17.87/-18.57     |
| Θ(172.5°) | -17.39/-18.34 | -18.95/-17.92   | -19.18/-18.4    | -18.51/-17.76   | -18.11/-17.95   | -17.2/-17.5     | -18.8/-18.3     | -17.57/-17.36     | -18.34/-17.95     | -18.64/-18.53     | -18.39/-17.85     | -18.32/-18.86     | -17.43/-18.82     | -17.75/-17.64     | -18.16/-18.52     | -18.07/-18.11     | -18.36/-18.64     | -17.73/-17.94     | -18.59/-18.89     | -17.63/-18.59     | -18.03/-19.05     | -19.1/-18.34      | -18.62/-18.34     | -18.03/-18.65     |
| Θ(180°)   | -17.98/-19.01 | -17.85/-18.72   | -18.14/-19.46   | -18.18/-17.85   | -18.45/-19.14   | -17.74/-18.36   | -18.32/-18.07   | -18.17/-17.71     | -19.01/-19.04     | -17.54/-18.67     | -19.26/-17.87     | -18.17/-18.04     | -19.43/-18.28     | -18.31/-17.68     | -18.13/-17.78     | -17.6/-18.57      | -18.66/-17.43     | -18.49/-18.3      | -18.74/-18.17     | -18.3/-17.61      | -18.59/-18.53     | -18.18/-17.91     | -18.91/-18.78     | -18.71/-17.72     |
| Freq(Hz)  | 6.175GPol.    | ThetaAnt.2      | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 7.057/08      | 6.796/22        | 5.725/12        | 4.072/22        | 1.51/-3.2       | -3.57/-8.46     | -18.18/-15.72   | -6.77/-2.78       | -0.16/1.84        | 3.344/46          | 5.335/97          | 6.617/2           | 7.327/08          | 6.886/59          | 6.265/48          | 4.292/93          | 1.25/-1.31        | -4.96/-11.95      | -17.75/-8.48      | -3.29/-0.29       | 1.613/25          | 4.475/3           | 5.946/47          | 6.736/94          |
| Θ(7.5°)   | 7.367/34      | 7.196/74        | 5.95/19         | 4.22/5          | 1.04/-1.35      | -5.1/-12.37     | -17.61/-9.77    | -3.95/9.12        | 1.621.85          | 3.984/86          | 5.465/88          | 6.396/77          | 6.926/88          | 6.576/25          | 6.01/5.33         | 4.25/31           | 1.54/-5.05        | -3.39/-9.06       | -17.81/-11.28     | -5.41/-4.1        | 1.613/25          | 4.475/3           | 5.946/47          | 6.736/94          |
| Θ(15°)    | 6.796/96      | 6.926/37        | 5.674/78        | 3.872/55        | 0.58/-1.34      | -4.69/-10.05    | -17.69/-12.98   | -6.05/-2.09       | 0.21/1.57         | 2.623/73          | 4.645/19          | 5.35/42           | 5.86/04           | 5.314/87          | 4.36/3.6          | 2.91/1.58         | 0.6/-0.65         | -3.67/-7.73       | -13.93/-11.72     | -5.81/-3.13       | -0.970/86         | 2.543/75          | 4.96/5.85         | 6.426/75          |
| Θ(22.5°)  | 6.476/36      | 5.985/41        | 4.713/82        | 3.011/72        | -0.1/-1.65      | -4.17/-17.54    | -12.72/-16.42   | -7.89/-3.79       | 1.30/55           | 1.732/87          | 3.64/-1           | 4.394/49          | 4.884/62          | 3.913/26          | 2.87/85           | 1.890/63          | -0.02/-1.19       | -3.21/-7.16       | -15.06/-16.1      | -10.06/-5.41      | -1.910/54         | 2.25/54           | 4.885/87          | 6.66/66           |
| Θ(30°)    | 5.395/03      | 4.724/47        | 3.712/69        | 1.920/64        | -1.11/-3.45     | -5.81/-10.2     | -15.41/-14.08   | -12.95/-6.79      | -2.260/07         | 0.782/63          | 2.072/2           | 2.292/94          | 3.412/22          | 1.911/66          | 0.520/1           | 0.07/-1.61        | -3.35/-3.74       | -4.68/-2.74       | -12.73/-18.48     | -14.96/-6.08      | -2.130/34         | 1.742/48          | 3.914/68          | 5.25/49           |
| Θ(37.5°)  | 3.263/07      | 3.172/93        | 2.11/124        | 0.04/-0.82      | -1.91/-4.03     | -5.79/-11.18    | -17.98/-14.74   | -12.34/-5.39      | -2/-1.19          | -1.15/-0.71       | 0.37/-0.07        | 0.79/1.3          | 0.650/21          | -0.65/-0.73       | -0.12/-1.05       | -1.05/-1.18       | -3.84/-6.11       | -8.18/-11.02      | -15.93/-18        | -13.66/-6.53      | -3.39/-1.27       | 0.39/1.74         | 3.153/41          | 3.83/72           |
| Θ(45°)    | 0.510/43      | 0.830/71        | 0.20/01         | -0.56/-2.32     | -4.04/-4.54     | -6.99/-11.45    | -18.24/-12.39   | -6.02/-2.96       | -2.08/-1.82       | -1.97/-1.57       | 0.27/-0.71        | -0.07/0.04        | -0.16/-0.33       | -1.53/-2.84       | -3.62/-2.35       | -1.94/-2.89       | -4.72/-6.61       | -8.52/-11.58      | -16/-17.05        | -11.84/-6.73      | -4.41/-2.97       | -1.58/-0.03       | 1.220/89          | 0.670/9           |
| Θ(52.5°)  | -1.11/-0.52   | -0.1/-0.86      | -1.52/-1.87     | -2.27/-3.14     | -5.89/-6.56     | -10.97/-18.59   | -18.95/-9.51    | -3.43/-1.75       | -0.84/-1.54       | -1.94/-0.58       | 0.790/61          | 0.80/9            | 1.19/-0.6         | -1.89/-2.69       | -3.84/-4.97       | -4.37/-3.69       | -2.85/-4.34       | -5.71/5           | -11/-13.57        | -11.83/-8.16      | -5.45/-15.6       | -3.82/-2.54       | -1.92/-0.58       | -0.55/-0.76       |
| Θ(60°)    | -3.21/-2.35   | -1.92/-2.77     | -3.79/-4.5      | -4.25/-4.09     | -7/-12.15       | -14.56/-17.54   | -14.7/-10.48    | -3.33/-0.97       | -0.52/-1.77       | -1.55/-0.36       | 0.81/0            | -0.09/-0.19       | 0.21/-0.51        | -0.87/-2.2        | -3.46/-3.99       | -3.24/-2.91       | -2.95/-5.18       | -6.65/-7.98       | -10.86/-15.18     | -16.07/-11.2      | -7.17/-6.65       | -7.46/-4.44       | -3.45/-1.77       | -2.37/-2.59       |
| Θ(67.5°)  | -5.96/-5.16   | -4.56/-5.62     | -7.13/-6.61     | -6.4/-7.16      | -10.2/-15.21    | -18.69/-13.1    | -8.95/-9.1      | -3.85/-1.01       | -0.92/-2.6        | -1.98/0.74        | -1.56/-1.67       | -2.33/-3.9        | -3.22/-0.93       | -1.15/-3.35       | -5.77/-4.06       | -3.1/-3.68        | -4.47/-6.49       | -8.4/-9.82        | -12.82/-18.48     | -18.18/-14.03     | -9.29/-10.6       | -9.07/-6.46       | -4.89/-8.35       | -5.97/-6.42       |
| Θ(75°)    | -9.61/-8.56   | -7.81/-11.55    | -10.35/-7.77    | -7.24/-9.76     | -17.24/-18.33   | -19.33/-12.49   | -8.23/-7.15     | -5.13/-12.12      | -1.86/-2.97       | -3.62/-2.43       | -3.36/-3.51       | -3.62/-6.48       | -6.4/-3.74        | -3.43/-3.91       | -8.43/-9.56       | -5.31/-4.69       | -5.09/-5.7        | -10.98/-4.93      | -14.23/-18.09     | -17.84/-17.83     | -12.07/-15.21     | -10.02/-8.42      | -7.26/-7.85       | -11.55/-11.28     |
| Θ(82.5°)  | -14.49/-14.67 | -16.17/-14.87   | -12.97/-8.96    | -8.15/-13.09    | -18.87/-17.9    | -18.23/-11      | -9.53/-6.73     | -6.26/-3.78       | -3.34/-3.89       | -6.03/-4.67       | -4.51/-8.53       | -10.17/-7.7       | -4.4/-5.92        | -11.1/-10.26      | -7.35/-4.49       | -5/-5.8           | -11.63/-8.46      | -17.61/-17.93     | -18.28/-19.24     | -17.84/-17.46     | -12.17/-9.96      | -11.04/-10.83     | -17.66/-17.97     |                   |
| Θ(90°)    | -18.02/-18.74 | -19.05/-18.33   | -13.22/-16.01   | -9.21/-13.38    | -18.57/-18.54   | -18.27/-11.57   | -11.26/-8.51    | -7.28/-5.73       | -4.37/-4.74       | -8.08/-6.95       | -7.89/-6.01       | -5.88/-9.02       | -11.44/-10.66     | -8.84/-10.6       | -13.55/-18.84     | -10.1/-6.1        | -5.63/-6.53       | -13.95/-9.61      | -17.76/-16.17     | -17.05/-18.58     | -17.14/-19.03     | -14.12/-11.64     | -14.24/-13.91     | -17.61/-17.46     |
| Θ(97.5°)  | -18.48/-18.72 | -18.19/-18.13   | -14.64/-11.79   | -10.98/-14.15   | -18.96/-18.06   | -19.08/-12.23   | -13.64/-9.28    | -8.93/-7.76       | -5.88/-6.03       | -11.4/-8.15       | -10.62/-8.36      | -7.67/-11.3       | -12.34/-12.67     | -11.41/-14.35     | -13.86/-18.74     | -12.95/-11.46     | -8.75/-8.33       | -18.8/-12.47      | -17.87/-16.63     | -18.44/-17.68     | -18.04/-17.84     | -17.11/-14.05     | -15.87/-17.79     | -17.87/-18.69     |
| Θ(105°)   | -18.88/-17.68 | -17.7/-18       | -18.58/-13.8    | -14.07/-14.66   | -18.2/-17.28    | -16.69/-15.04   | -13.64/-11.1    | -9.84/-11.19      | -6.32/-7.78       | -11.7/-10.53      | -15.44/-9.7       | -10.55/-11.7      | -9.84/-12.59      |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 1 6GHz for EUT 2

# Appendix G

|           |               |                |                |                |                |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|-----------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Θ(112.5°) | -18.59/-18.04 | -19.07/-18.16  | -18.59/-17.87  | -17.89/-18.49  | -16.51/-17.93  | -16.95/-16.96  | -12.45/-13.54  | -17.78/-12.4     | -15.22/-15.52    | -16.53/-18.01    | -15.48/-14.87    | -15.3/-17.66     | -15.37/-15.33    | -17.78/-18.76    | -17.96/-19.3     | -14.61/-18.53    | -13.48/-17.83    | -17.85/-14.68    | -13/-18.97       | -17.41/-16.69    | -13.05/-19.19    | -18.37/-18.88    | -18.81/-17.69    | -15.87/-18.76    |
| Θ(120°)   | -18.02/-18.04 | -17.78/-17.38  | -19.54/-18.87  | -18.59/-18.02  | -19.09/-19.1   | -18.48/-15.4   | -18.12/-12.58  | -14.78/-15.71    | -14.02/-18.41    | -17.7/-19.7      | -18.35/-16.85    | -17.65/-17.3     | -19.03/-16.21    | -18.67/-17.61    | -17.94/-18.97    | -15.36/-16.94    | -18.96/-17.47    | -16.58/-19.09    | -19.14/-18.43    | -15.41/-17.6     | -16.19/-14.16    | -18.82/-19.27    | -18.42/-18.29    | -16.62/-18.42    |
| Θ(127.5°) | -18.59/-17.97 | -17.59/-18.61  | -17.61/-19.34  | -17.82/-17.04  | -18.05/-17.89  | -18.05/-18.29  | -19.11/-16.12  | -18.68/-13.97    | -17.78/-17.1     | -18.38/-19.05    | -17.93/-18.85    | -17.71/-17.72    | -17.67/-17.94    | -17.51/-18.07    | -18.45/-18.93    | -18.54/-18.34    | -18.36/-18.9     | -18.11/-19.24    | -18.61/-18.16    | -19.12/-17.94    | -18.51/-15.88    | -18.63/-18.95    | -18.75/-17.9     | -17.71/-18.02    |
| Θ(135°)   | -18.23/-18.67 | -18.12/-18.26  | -18.27/-17.9   | -17.52/-18.95  | -17.98/-17.61  | -19.15/-18.87  | -17.91/-17.06  | -17.65/-17.27    | -16.17/-14.57    | -18.74/-17.19    | -17.4/-17.43     | -17.49/-18.04    | -18.61/-18.57    | -18.22/-17.83    | -18.67/-18.27    | -18.97/-18.88    | -18.8/-18.97     | -18.09/-18.22    | -19.4/-18.42     | -17.99/-18.33    | -18.3/-18.51     | -18.27/-18.32    | -18.41/-17.72    | -17.25/-18.34    |
| Θ(142.5°) | -19.25/-18.58 | -18.19/-17.47  | -17.81/-17.09  | -18.83/-18.48  | -17.63/-17.92  | -18.36/-17.95  | -18.16/-18.47  | -17.93/-18.95    | -18.67/-18.32    | -18.01/-18.38    | -19.25/-17.9     | -17.78/-18.6     | -17.78/-18.32    | -19.18/-17.95    | -17.92/-18.62    | -18.9/-18.3      | -17.9/-17.87     | -17.81/-17.69    | -19.38/-18.9     | -18.55/-18.13    | -18.49/-17.62    | -17.95/-19.07    | -17.64/-17.92    | -18.96/-18.84    |
| Θ(150°)   | -18.16/-18.95 | -18.94/-18.01  | -18.24/-18.48  | -18.68/-18.35  | -18.97/-17.98  | -18.33/-17.72  | -18.73/-19.06  | -17.32/-16.84    | -17.97/-18.76    | -17.74/-19       | -13.91/-15.15    | -18.42/-18.58    | -18.87/-18.12    | -18.57/-18.9     | -17.65/-18.76    | -18.09/-18.66    | -18.58/-18.69    | -18.19/-14.86    | -16.16/-17.86    | -18.03/-19.08    | -18.94/-18.34    | -19.03/-18.94    | -17.97/-18.67    |                  |
| Θ(157.5°) | -19.21/-18.28 | -18.29/-18.11  | -17.87/-18.61  | -18.44/-18.19  | -18.24/-18.04  | -17.67/-18.14  | -18.16/-18.14  | -18/-18.65       | -15.89/-15.32    | -15.09/-17.81    | -18.73/-18.37    | -17.64/-17.95    | -19.27/-19.26    | -19.17/-18.47    | -18.18/-18.47    | -17.21/-19.2     | -18.14/-18.8     | -18.49/-18.9     | -18.71/-16.1     | -18.12/-15.52    | -16.55/-18.35    | -19.15/-18.71    | -18.1/-19.41     | -18.27/-17.64    |
| Θ(165°)   | -18.27/-17.6  | -18.98/-18.3   | -18.21/-18.64  | -18.43/-18.3   | -18.66/-18     | -18.51/-19.27  | -18.29/-18.59  | -17.43/-16.49    | -17.57/-17.96    | -18.71/-18.77    | -19.05/-17.49    | -17.94/-18.74    | -18.33/-19.02    | -18.54/-18.05    | -17.78/-18.24    | -18.73/-19.1     | -18.12/-18.08    | -18.15/-17.15    | -16.03/-14.79    | -17.01/-19.2     | -17.47/-18.1     | -19.16/-18.33    | -18.53/-17.47    | -18.06/-18.88    |
| Θ(172.5°) | -19.06/-18.36 | -17.82/-18.64  | -18.73/-18.06  | -17.55/-17.87  | -17.35/-18.7   | -18.94/-19.41  | -18.56/-17.64  | -19.4/-17.76     | -18.74/-18.59    | -18.61/-18.74    | -17.95/-18.99    | -18.22/-17.93    | -18.21/-18.68    | -18.94/-18.13    | -17.56/-19.27    | -17.74/-18.58    | -18.57/-17.21    | -17.55/-18.3     | -17.62/-17.86    | -18.98/-17.97    | -18.79/-18.42    | -17.49/-17.9     | -17.74/-17.43    | -18.17/-18.32    |
| Θ(180°)   | -18.41/-18.78 | -19.56/-18.16  | -18.68/-17.98  | -17.7/-17.67   | -18.94/-17.83  | -17.98/-17.94  | -17.88/-18.57  | -18.71/-18.04    | -17.65/-18.43    | -18.06/-18.79    | -18.01/-18.04    | -18.62/-17.35    | -18.27/-18.43    | -17.95/-19.05    | -18.09/-17.44    | -18.93/-18.17    | -18.52/-18.11    | -17.74/-17.87    | -18.4/-18.57     | -18.14/-17.48    | -17.43/-19.38    | -18.42/-18.87    | -18.48/-18.5     | -18.35/-17.66    |
| Freq(Hz)  | 6.995GPol.    | ThetaAnt. 2    | -              | -              | -              | -              | -              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |
| Gain      | Φ(0°)Φ(7.5°)  | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
| Θ(0°)     | 6.126.3       | 6.255.96       | 5.414.97       | 4.3/3.35       | 2.38/1.3       | 0.19/-2.45     | -4.63/-6.58    | -7.08/-5.18      | -2.65/-0.59      | 1.1/2.41         | 3.384.12         | 4.795.41         | 5.915.97         | 5.855.95         | 5.615.25         | 4.37/3.43        | 2.6/0.8          | -1.03/-3.09      | -5.16/-6.02      | -4.62/-2.69      | -0.75/0.98       | 2.39/3.4         | 4.2/4.96         | 5.47/5.94        |
| Θ(7.5°)   | 5.415.63      | 5.735.44       | 4.994.61       | 4.06/3.06      | 2.05/0.81      | -1.21/-3.6     | -5.84/-6.5     | -5.09/-3         | -0.94/0.73       | 2.12/3.33        | 4.134.78         | 5.3/5.84         | 6.216.14         | 5.945.78         | 5.5/5.22         | 4.64/3.65        | 2.96/1.44        | -0.06/-1.96      | -4.29/-6.7       | -7.73/-6.15      | -3.45/-1.11      | 0.69/2.12        | 3.24/4.27        | 4.92/5.37        |
| Θ(15°)    | 5.14/4.93     | 4.654.22       | 3.75/3.14      | 2.51/1.72      | 0.36/-1.17     | -3.6/-9.97     | -11.23/-11.25  | -6.45/-3.09      | -0.87/0.84       | 2.2/3.17         | 3.74/4.18        | 4.564.76         | 4.795.2          | 5.285.27         | 5.32/5           | 4.293.71         | 3.08/1.89        | 0.26/-2          | -4.72/-7.62      | -10.44/-9.22     | -5.54/-2.65      | 0.22/0.6         | 3.27/4.15        | 4.71/5.16        |
| Θ(22.5°)  | 3.74/3.47     | 3.47/3.46      | 3.18/2.56      | 1.81/0.61      | -0.97/-2.85    | -6.9/-10.75    | -16.89/-12.6   | -7.53/-4.33      | -2.12/-0.26      | 0.98/2.22        | 2.77/3.16        | 3.48/3.48        | 3.54/0.8         | 4.21/3.91        | 3.7/3.71         | 3.11/2.32        | 1.77/0.68        | -0.75/-3.15      | -6.01/-10.04     | -15.34/-8.4      | -4.23/-1.76      | -0.01/-1.48      | 2.84/3.62        | 4.03/4.03        |
| Θ(30°)    | 1.39/1.1      | 0.87/0.98      | 1.24/1.23      | 1.08/0.14      | -1.93/-4.56    | -7.3/-11.21    | -16.65/-13.97  | -8.56/-5.74      | -4.13/-2.53      | -0.44/-1.19      | 1.6/2.1          | 2.22/1.7         | 1.6/2.56         | 2.29/1.92        | 1.92/1.86        | 1.51/0.7         | 0.22/2/0.67      | -2.56/-5.5       | -9.89/-13.38     | -13.15/-8.05     | -4.58/-2.9       | -0.91/0.59       | 1.07/1.48        | 1.82/1.88        |
| Θ(37.5°)  | -0.31/-0.17   | -0.59/-0.55    | -0.19/-0.57    | -0.88/-1.79    | -3.73/-7.41    | -11.62/-15.05  | -17.39/-16.02  | -11.49/-6.9      | -4.68/-3.06      | -1.82/-1.36      | -2.21/0.54       | -0.95/-1.32      | -0.29/-0.05      | -0.11/-0.47      | -0.48/-0.05      | -0.73/-2.38      | -3.04/-3.67      | -4.75/-7.2       | -14.2/-18.75     | -11.37/-17.3     | -5.54/-2.28      | -1.91/-2.22      | -1.57/-0.32      | 0.06/-3.07       |
| Θ(45°)    | -2.23/-1.97   | -1.98/-1.96    | -2.22/-2.96    | -3.2/-2.84     | -3.72/-7.28    | -13.32/-14.78  | -14.73/-13.4   | -12.02/-6.1      | -4.15/-3         | -4.5/-4.19       | -3.94/-2.6       | -3.55/-3.15      | -2.89/-2.46      | -2.4/-2.07       | -2.35/-1.73      | -1.12/-2.2       | -4.38/-5.06      | -6.61/-10.11     | -14.75/-18.73    | -11.65/-7.66     | -7.24/-7.54      | -5.43/-4.86      | -3.27/-2.4       | -2.55/-2.51      |
| Θ(52.5°)  | -5.29/-4.74   | -4.57/-4.05    | -4.16/-3.6     | -3.43/-4.4     | -6.06/-9.72    | -14.42/-12.99  | -9.07/-10.26   | -8.47/-3.9       | -3.47/-2.81      | -3.88/-4.36      | -3.05/-3.14      | -2.87/-2.73      | -2.57/-2.96      | -4.01/-4.08      | -3.12/-2.65      | -3.23/-3.73      | -6.49/-8.42      | -6.96/-9.79      | -14.74/-18.91    | -14.95/-8.43     | -9.97/-10.22     | -7.32/-6.58      | -5.3/-5.99       | -7.22/-7.03      |
| Θ(60°)    | -10.24/-10.3  | -9.46/-6.76    | -5.24/-4.3     | -4.73/-6.84    | -9.51/-11.92   | -15.5/-13.36   | -7.39/-6.52    | -7.61/-3.6       | -2.68/-2.33      | -3.51/-3.48      | -2.11/-2.68      | -1.32/-2.73      | -2.6/-3.5        | -4.51/-4.13      | -10.1/-10.08     | -4.19/-4.99      | -6.56/-10.76     | -10.1/-10.08     | -14.46/-18.75    | -17.71/-10.92    | -13.91/-12.36    | -8.73/-10.82     | -8.6/-10.06      | -13.66/-13.43    |
| Θ(67.5°)  | -18.65/-18.35 | -17.65/-13.39  | -8.35/-6.54    | -8.61/-10.31   | -12.44/-18.18  | -18.5/-15.61   | -7.64/-6.42    | -6.83/-4.08      | -2.44/-2.98      | -3.15/-4.63      | -3.06/-5.15      | -6.57/-5.74      | -4.89/-4.57      | -5.75/-6.04      | -5.21/-5.71      | -4.82/-6.74      | -8.75/-13        | -10.98/-12.67    | -17.96/-18.37    | -18.42/-16.38    | -18.53/-14.21    | -10.69/-14.58    | -16.35/-14.24    | -19.07/-18.44    |
| Θ(75°)    | -18.87/-18.18 | -17.22/-18.02  | -12.93/-8.9    | -11.47/-15.36  | -19.34/-19.12  | -13.01/-15.5   | -8.18/-6.61    | -3.62/-4.46      | -4.35/-4.6       | -5.6/-87         | -8.42/-7.52      | -6.78/-6.69      | -7.27/-8.12      | -9.84/-6.66      | -6.46/-6.71      | -7.58/-10.95     | -10.72/-12.77    | -18.15/-18.27    | -18.29/-18.15    | -17.71/-18.91    | -13.05/-14.56    | -19.25/-17.92    | -17.98/-19.07    |                  |
| Θ(82.5°)  | -18.47/-17.65 | -17.65/-18.23  | -17.78/-11.66  | -14.91/-18.44  | -17.87/-16.62  | -12.31/-15.66  | -8.27/-7.57    | -8/-6.33         | -5.59/-5.78      | -6.26/-8.02      | -8.14/-8.02      | -11.33/-9.66     | -10.87/-8.49     | -9.98/-14.06     | -15.27/-9.13     | -7.89/-7.99      | -7.25/-10.72     | -13.11/-12.46    | -17.89/-18.6     | -19.08/-18.98    | -17.78/-17.53    | -16.64/-14.4     | -17.64/-17.4     | -18.51/-17.63    |
| Θ(90°)    | -17.83/-15.64 | -14.45/-17.56  | -18.8/-15.39   | -18.47/-18.98  | -17.92/-14.84  | -11.92/-10.53  | -8.34/-8.76    | -8.11/-7.95      | -7.08/-7.39      | -7.74/-10.64     | -8.66/-9.01      | -12.64/-10.26    | -14.46/-16.6     | -15.47/-13.41    | -13.93/-11.69    | -10.12/-9.51     | -8.99/-9.75      | -16.69/-12.98    | -18.63/-18.58    | -19.04/-17.84    | -17.97/-18.95    | -17.31/-15.31    | -18.11/-14.54    | -15.6/-19.36     |
| Θ(97.5°)  | -14.19/-16.72 | -12.8/-15.21   | -18.19/-18.15  | -18.09/-17.12  | -18.97/-18.32  | -12.38/-11.11  | -9.29/-9.67    | -8.73/-10.38     | -8.18/-4.92      | -9.77/-13.03     | -11.1/-10.2      | -13.12/-12.61    | -14.37/-14.35    | -17.8/-15.91     | -17.16/-15.24    | -15.06/-13.72    | -11.39/-12.72    | -13.72/-15.49    | -18.37/-19.27    | -19.08/-18.28    | -18.41/-18.62    | -16.01/-13.62    | -15.9/-12.72     | -13.79/-15.66    |
| Θ(105°)   | -12.34/-14.73 | -14.27/-14.25  | -18.64/-18.64  | -17.96/-18     | -16.29/-12.49  | -12.77/-12.33  | -9.48/-9.74    | -11.46/-11.01    | -8.88/-11.74     | -10.21/-16.03    | -12.21/-19.59    | -11.82/-11.92    | -14.34/-14.96    | -16.09/-15.26    | -18.96/-18.8     | -13.28/-18.71    | -19.02/-19       | -17.9/-17.67     | -17.79/-18.55    | -17.73/-18.26    | -17.31/-15.79    | -17.92/-12.89    | -17.92/-12.89    | -16.44/-12.24    |
| Θ(112.5°) | -14.01/-13.99 | -15.2/-16.16   | -17.51/-17.91  | -18.01/-17.25  | -17.84/-13.21  | -14.28/-12.75  | -9.97/-11.97   | -11.77/-10.67    | -11.2/-15.1      | -13.12/-18.89    | -18.17/-17.64    | -17.49/-11.72    | -18.37/-18.03    | -16.74/-18.31    | -18.89/-18.81    | -15.83/-18.38    | -18.38/-18.57    | -18.12/-19.38    | -18.57/-18.07    | -17.94/-17.79    | -16.74/-18.13    | -18.14/-17.08    | -18.64/-14.67    | -11.72/-11.86    |
| Θ(120°)   | -12.01/-15.16 | -14.49/-16.57  | -16.72/-16.61  | -19.36/-18.1   | -18.61/-18.92  | -18.53/-14.43  | -11.99/-14.68  | -11.57/-13.82    | -14.86/-17.05    | -17.62/-18.52    | -18.21/-18.65    | -18.61/-17.72    | -17.91/-17.25    | -18.74/-18.81    | -18.16/-17.77    | -18.89/-15.53    | -15.95/-19.1     | -19.01/-18.34    | -18.49/-19.41    | -18.56/-17.76    | -18.63/-18.06    | -18.48/-18.12    | -19.36/-16.05    | -11.64/-12.64    |
| Θ(127.5°) | -12.97/-11.99 | -15.25/-17.96  | -18.45/-17.83  | -18.32/-18.9   | -18.54/-18.91  | -18.96/-16.35  | -15.34/-17.43  | -16.66/-17.52    | -17.19/-15.61    | -18.38/-18.27    | -13.89/-19.18    | -17.34/-17.36    | -19.39/-18.22    | -17.36/-18.82    | -18.36/-17.66    | -17.54/-15.9     | -18.3/-17.84     | -18.11/-18.92    | -18.64/-18.87    | -18.17/-17.65    | -18.76/-17.85    | -17.61/-17.65    | -18.89/-19.84    | -12.45/-10.45    |
| Θ(135°)   | -10.67/-12.49 | -15.25/-18.14  | -18.93/-18.48  | -18.19/-18.58  | -17.64/-17.12  | -16.9/-16.13   | -18.53/-17.13  | -15.01/-16.43    | -18.06/-15.34    | -17.79/-18.88    | -15.13/-18.14    | -18.42/-17.35    | -18.11/-18.15    | -17.78/-17.86    | -16.66/-18.21    | -18.25/-17.08    | -18.88/-19.44    | -19.09/-17.89    | -18.66/-17.83    | -18.61/-18.77    | -18.47/-17.91    | -16.62/-16.31    | -18.89/-17.99    | -17.51/-16.64    |
| Θ(142.5°) | -14.03/-13.15 | -14.37/-15.99  | -17.65/-18.23  | -18.94/-18.68  | -18.41/-18.83  | -17.23/-15.18  | -16.32/-17.9   | -16.27/-15.14    | -15.53/-18.18    | -17.95/-17.83    | -18.77/-14.76    | -12.84/-18.59    | -18.92/-18.05    | -18.37/-18.78    | -19.06/-18.85    | -17.69/-13.99    | -18.58/-18.53    | -18.43/-18       | -17.32/-19       | -18.39/-17.62    | -18.54/-18.28    | -15.6/-16.91     | -18.71/-17.51    | -14.59/-14.54    |
| Θ(150°)   | -13.59/-14.97 | -13.67/-13.62  | -15.85/-17.7   | -18.66/-18.31  | -18.13/-17.55  | -18.21/-17.87  | -18.53/-18.07  | -18.37/-18.94    | -18.97/-18.3     | -18.39/-17.37    | -18.31/-14.46    | -17.51/-17.18    | -17.93/-19.02    | -18.08/-18.14    | -18.71/-18.58    | -18.57/-18.95    | -17.21/-19.14    | -18.71/-18.5     | -18.4/-17.94     |                  |                  |                  |                  |                  |



# Radiated Composite Gain Data\_Radio 1 6GHz for EUT 2

# Appendix G

| Θ(165°)   | -17.08/-18.04 | -18.32/-18.97  | -18.24/-18.82  | -18.81/-19.23  | -18.43/-18.55  | -19.17/-18.9   | -14.99/-14.36  | -15.69/-18.82    | -17.64/-18.49    | -19.03/-17.82    | -18.06/-18.55    | -18.17/-18.39    | -17.86/-18.79    | -18.31/-17.67    | -17.75/-18.6     | -19.17/-18.39    | -18.28/-17.83    | -19.02/-18.96    | -18.17/-18.28    | -15.6/-13.97     | -17.31/-17.86    | -18.09/-18.25    | -18.6/-18.21     | -17.85/-18.02    |
|-----------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Θ(172.5°) | -17.47/-17.65 | -18.32/-18.23  | -18.13/-18.39  | -18.62/-18.1   | -18.97/-16.15  | -15.38/-16.4   | -18.99/-18.5   | -18.98/-18.62    | -17.4/-17.65     | -18.53/-17.78    | -18.74/-17.85    | -17.94/-18.81    | -18.05/-17.91    | -18.53/-18.15    | -18.79/-18.4     | -19.03/-18.7     | -17.56/-18.2     | -17.31/-18.92    | -17.97/-18.64    | -16.5/-16.95     | -18.33/-17.78    | -18.33/-18.03    | -17.5/-18.66     | -18.31/-18.48    |
| Θ(180°)   | -18.16/-17.78 | -18.49/-17.75  | -17.65/-17.97  | -19.04/-18.98  | -17.75/-16.14  | -15.97/-16.5   | -18.98/-18.36  | -18.61/-17.77    | -18.75/-18.44    | -19.84/-18.92    | -18.66/-17.34    | -19.09/-19.03    | -18.02/-17.23    | -17.48/-17.78    | -18.88/-18.3     | -19.24/-17.5     | -16.67/-18.2     | -18.01/-19.19    | -17.56/-18.13    | -17.58/-17.9     | -18.61/-17.83    | -18.21/-18.95    | -19.15/-17.86    | -18.31/-18.18    |
| Freq(Hz)  | 6.175GPol.    | ThetaAnt.3     | -              | -              | -              | -              | -              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |
| Gain      | Φ(0°)Φ(7.5°)  | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
| Θ(0°)     | 5.815.33      | 547.5          | 4.273.46       | 2.290.74       | 1.1/-3.36      | -6.77/-13.45   | -18.18/-10.26  | -5.2/-2.24       | -0.07/-1.49      | 2.773.77         | 4.394.76         | 5.195.35         | 5.415.33         | 5.452            | 3.573            | 2.070.18         | -1.94/-4.72      | -8.86/-17.69     | -16.94/-8.77     | -4.59/-1.95      | 0.15/-1.55       | -7.64/-8.53      | 4.07/-4.65       | 5.285.48         |
| Θ(7.5°)   | 5.325.11      | 4.724.33       | 3.873.21       | 2.250.68       | -1.22/-3.51    | -6.97/-13.7    | -17.99/-10.77  | -5.53/-2.47      | -0.16/-1.55      | 2.933.98         | 4.695.04         | 5.135.12         | 5.185.03         | 4.463.75         | 3.152.32         | 1.3/-0.35        | -2.58/-5.08      | -8.79/-16.5      | -15.45/-8.09     | -4.06/-1.41      | 0.532/0.26       | 3.13/-7.6        | 4.22/-4.69       | 5.145.31         |
| Θ(15°)    | 4.344.07      | 3.753.07       | 2.31.66        | 0.66/-0.97     | -3.01/-5.37    | -8.53/-17.03   | -17.82/-8.75   | -4.51/-2.07      | -0.37/0.95       | 2.143.23         | 4.164.72         | 5.059.53         | 5.135.03         | 5.054.49         | 3.482.85         | 2.030.1          | -2/-4.6          | -7.62/-11.63     | -17.09/-10.91    | -5.81/-2.55      | -0.43/-1.12      | 2.223.09         | 3.423.6          | 3.924.34         |
| Θ(22.5°)  | 3.523.33      | 2.842.42       | 1.250.25       | -0.19/-1.71    | -4.34/-7.55    | -10.82/-16.55  | -14.5/-7.79    | -4.04/-1.81      | -0.64/0.49       | 1.642.78         | 3.664.37         | 4.64.67          | 4.464.21         | 4.213.72         | 2.942.24         | 1.41/-0.49       | -3.25/-5.74      | -7.91/-10.55     | -14.02/-12.37    | -8.35/-4.42      | -1.420.66        | 1.852.69         | 3.283.36         | 3.183.42         |
| Θ(30°)    | 2.081.91      | 1.020.12       | -1.03/-2.48    | -2.78/-3.25    | -5.88/-9.97    | -13.18/-17.73  | -17.01/-10.36  | -6.13/-3.02      | -0.980.51        | 1.792.95         | 3.844.43         | 4.874.95         | 4.664.34         | 4.173.89         | 2.931.4          | -0.07/-1.3       | -3.18/-6.08      | -10.27/-12.1     | -14.74/-10.59    | -7.79/-5.91      | -3.55/-2.36      | -1.77/-0.54      | 1.062.07         | 1.631.77         |
| Θ(37.5°)  | 0.16/-0.62    | -0.71/-1.59    | -2.29/-2.4     | -3.18/-3.77    | -4.81/-8.66    | -13.59/-17.41  | -14.03/-10.4   | -7.4/-3.32       | -1.52/-0.23      | 1.223.07         | 3.984.25         | 4.424.5          | 3.842.99         | 2.882.69         | 1.560.41         | -0.69/-1.71      | -2.72/-4.54      | -9.24/-14.5      | -18.43/-11.38    | -6.85/-1.57      | -3.85/-3.58      | -2.87/-1.9       | -0.840.03        | 0.75/-1.11       |
| Θ(45°)    | -0.05/-0.12   | -0.74/-2.22    | -4.29/-3.61    | -3.89/-4.81    | -4.71/-7.85    | -13.01/-15.01  | -16.02/-13.92  | -9.34/-4.61      | -2.69/-1.68      | -0.032.23        | 3.353.27         | 3.43.61          | 2.781.76         | 1.451.28         | 0.71/-0.38       | -0.94/-2.02      | -2.92/-4.7       | -8.74/-13.42     | -18.13/-12.75    | -7.39/-5.8       | -3.98/-3.64      | -2.66/-3.17      | -1.65/-1.39      | -0.72/-0.02      |
| Θ(52.5°)  | 0.18/-0.27    | -1.04/-2.61    | -5.16/-4.77    | -5.57/-8.22    | -7.95/-7.21    | -11.69/-14.77  | -15.8/-12.91   | -8.82/-6.04      | -3.72/-2.26      | -1.20.56         | 1.191.42         | 1.951.88         | 1.170.24         | -0.120.56        | -0.23/-0.94      | -1.42/-1.7       | -3.59/-5.32      | -11.14/-12.23    | -15.52/-14.88    | -9.29/-6.56      | -5.16/-5.57      | -4.23/-2.95      | -0.98/-1.41      | -0.8/-0.52       |
| Θ(60°)    | -2.11/-1.45   | -1.68/-3.73    | -6.65/-6.53    | -6.65/-6.48    | -9.05/-9.2     | -12.6/-18.35   | -17.76/-17.8   | -10.97/-8.33     | -4.64/-3.61      | -3.69/-2.13      | 1.3/-0.46        | 1.110.66         | 0.2/-0.71        | -0.85/-0.87      | -1.96/-1.55      | -1.4/-2.26       | -4.2/-5.79       | -10.89/-13.16    | -12.44/-14.06    | -11.59/-7.09     | -5.98/-6.5       | -6.62/-4.07      | -2.36/-1.98      | -1.87/-2.78      |
| Θ(67.5°)  | -5.76/-3.61   | -3.57/-6.03    | -7.82/-9.05    | -9.24/-7.65    | -8.96/-9.61    | -12.17/-15.48  | -18.22/-18.17  | -15.61/-10.76    | -5.09/-5.29      | -5.13/-3.68      | -1.59/-0.08      | -1.41/-1.52      | -1.35/-1.91      | -2.34/-2.8       | -4.21/-2.93      | -2.05/-4.85      | -6.74/-7.32      | -10.8/-17.81     | -13.46/-13.96    | -12.23/-6.84     | -5.85/-7.41      | -7.14/-97        | -4.18/-3.98      | -4.68/-5.88      |
| Θ(75°)    | -8.57/-7.58   | -7.12/-8.23    | -12.66/-11.38  | -9.84/-8.92    | -11.84/-9.72   | -10.77/-14.53  | -15.12/-18.5   | -15.33/-12.38    | -7.03/-8.34      | -7.25/-4.38      | -5.06/-2.08      | -3.24/-4.62      | -3/-3.15         | -3.11/-3.69      | -5.3/-3.86       | -2.09/-6.26      | -11.16/-8.01     | -10.13/-18.58    | -14.31/-10.16    | -13.75/-7.47     | -6.41/-7.8       | -8.81/-6.66      | -4.98/-6.41      | -6.44/-7.13      |
| Θ(82.5°)  | -11.45/-10.99 | -10.25/-11.26  | -16.82/-18.2   | -11.88/-10.4   | -14.89/-9.89   | -10.65/-16.96  | -14.26/-17.7   | -14.55/-13.79    | -9.08/-11.59     | -8.14/-8.58      | -6.67/-14.2      | -6.71/-5.68      | -5.59/-6.51      | -6.4/-6.57       | -7.05/-4.56      | -3.06/-7.83      | -14.07/-11.22    | -10.61/-18.7     | -16.49/-9.41     | -13.75/-8.06     | -7.88/-7.8       | -10.04/-9.61     | -6.31/-8.42      | -6.36/-6.32      |
| Θ(90°)    | -14.77/-13.13 | -12.51/-14.47  | -17.94/-19.23  | -15.81/-12.62  | -15.84/-11.34  | -11.56/-18.09  | -12.17/-13.86  | -9.93/-11.82     | -8.49/-8.15      | -7.47/-11.5      | -8.34/-9.03      | -8.35/-8.12      | -8.44/-5.92      | -5.15/-8.68      | -15.54/-13.91    | -11.04/-15.43    | -18.34/-10.93    | -14.98/-10.01    | -11.56/-9.27     | -10.02/-8.86     | -8.43/-10.12     | -6.23/-9.45      | -6.39/-9.45      | -6.39/-9.45      |
| Θ(97.5°)  | -17.83/-16.69 | -16.06/-16.11  | -18.53/-19.15  | -17.7/-16.88   | -18.66/-11.45  | -12.02/-18.22  | -14.6/-17.87   | -19.11/-13.82    | -16.25/-17.89    | -10.24/-11.73    | -11.36/-10.29    | -9.38/-9.96      | -8.91/-11.97     | -10.02/-9.12     | -8.86/-6.71      | -7.78/-9.92      | -12.71/-17.55    | -11.99/-15.44    | -19.28/-14.04    | -18.4/-12.49     | -17.42/-13.2     | -12.76/-11.65    | -12.81/-12.51    | -13.27/-16.47    |
| Θ(105°)   | -18.1/-18.72  | -18.15/-16.59  | -17.88/-17.82  | -18.01/-16.18  | -18.95/-13.23  | -12.87/-18.13  | -14.53/-18.72  | -18.31/-12.8     | -16.64/-18.05    | -12.51/-12.82    | -12.02/-12.58    | -14.44/-9.19     | -8.09/-9.53      | -8.41/-8.16      | -13.72/-10.12    | -9.85/-10.52     | -14.82/-18.9     | -11.22/-18.28    | -18.51/-13.41    | -18.36/-12.77    | -14.01/-18.9     | -19.01/-18.33    | -15.4/-15.67     | -14.74/-14.27    |
| Θ(112.5°) | -13.91/-18.92 | -18.8/-17.71   | -18.33/-18.31  | -18.64/-18.14  | -17.87/-14.15  | -18.92/-17.83  | -18.92/-17.18  | -18.83/-17.97    | -19.15/-16.27    | -14.03/-13.06    | -17.43/-17.05    | -17.02/-9.96     | -10.49/-10.09    | -11.84/-12.88    | -14.11/-12.99    | -10.58/-10.21    | -19.08/-13.72    | -17.58/-17.74    | -18.16/-13.75    | -18.28/-14.59    | -17.12/-16.73    | -19.21/-18.32    | -16.51/-18       | -15.56/-11.11    |
| Θ(120°)   | -16.01/-18.38 | -18.24/-18.36  | -18.86/-18.73  | -17.95/-18.64  | -16.53/-16.03  | -18.57/-17.81  | -18.96/-18.65  | -19.25/-18.93    | -17.88/-14.43    | -18.23/-13.22    | -16.84/-17.31    | -16.75/-18.54    | -16.48/-17.41    | -17.59/-18.11    | -12.65/-12.29    | -11.54/-14.91    | -16.64/-14.58    | -18.39/-18.74    | -18.83/-14.81    | -18.17/-15.77    | -18.69/-17.83    | -15.98/-19.16    | -18.31/-18.04    | -17.83/-13.56    |
| Θ(127.5°) | -18.54/-18.51 | -18.65/-17.72  | -17.6/-18.39   | -19.33/-17.81  | -19.02/-17.8   | -17.68/-18.85  | -18.71/-18.21  | -19.78/-16.19    | -18.56/-16.91    | -12.59/-18.92    | -17.93/-12.64    | -12.24/-12.57    | -10.57/-12.41    | -14/-11.79       | -19.06/-16.72    | -17.83/-18.07    | -18.25/-18.78    | -17.71/-17.65    | -18.22/-18.63    | -18.26/-18.08    | -17.73/-17.79    | -18.31/-18.7     | -16.31/-18.16    | -16.31/-18.16    |
| Θ(135°)   | -18.06/-18.05 | -18.34/-18.51  | -18.73/-18.85  | -18.92/-17.08  | -18.14/-18.56  | -17.55/-18.69  | -17.38/-19     | -17.17/-18.9     | -16.86/-18.03    | -18.37/-13.61    | -16.68/-12.01    | -13.08/-10.7     | -15.35/-15.43    | -10.87/-16.89    | -15.59/-18.92    | -17.76/-17.48    | -18.04/-18.95    | -18.33/-18.6     | -19.01/-18.77    | -17.73/-17.33    | -19.12/-19.29    | -18.74/-18.21    | -18.55/-18.76    | -18.55/-18.76    |
| Θ(142.5°) | -17.87/-15.43 | -17.61/-18.27  | -18.11/-19.25  | -18.41/-18.6   | -18.65/-17.79  | -18/-18.36     | -17.89/-19.36  | -18.99/-19.05    | -17.82/-17.37    | -18.27/-17.96    | -18.62/-19.11    | -16.62/-16.67    | -17.44/-15.28    | -17.43/-13.6     | -12.05/-11.89    | -12.15/-13.92    | -18.61/-18.13    | -16.86/-17.55    | -18.67/-18.55    | -18.75/-19.1     | -18.25/-17.92    | -18.52/-16.69    | -16.94/-16.47    | -18.21/-18.42    |
| Θ(150°)   | -17.65/-17.15 | -16.78/-17.77  | -18.57/-18.62  | -17.14/-18.98  | -17.99/-18.66  | -18.59/-18.72  | -18.17/-18.21  | -19.12/-14.37    | -17.86/-17.93    | -19.11/-18.27    | -18.85/-17.13    | -14.68/-13.25    | -12.66/-14.1     | -15.55/-14.41    | -13.99/-15.97    | -18.83/-17.72    | -18.54/-18.57    | -18.6/-18.29     | -18.61/-18.97    | -17.86/-18.39    | -17.19/-17.46    | -18.52/-13.32    | -13.21/-17.29    | -17.9/-18.11     |
| Θ(157.5°) | -17.67/-18.38 | -17.59/-17.47  | -17.84/-17.86  | -17.59/-17.84  | -15.39/-15.52  | -18.29/-18.12  | -18.99/-18.35  | -18.68/-18.21    | -18.22/-18.34    | -18.42/-17.81    | -15.75/-15.65    | -15.25/-17.03    | -18.21/-19.04    | -17.81/-18.06    | -17.74/-18.87    | -18.47/-17.15    | -18.51/-18.65    | -18.91/-17.25    | -18.59/-18.84    | -18.59/-18.85    | -16.85/-18.57    | -18.45/-18.02    | -17.84/-18.21    | -16.56/-14.05    |
| Θ(165°)   | -17.98/-18.07 | -17.87/-17.94  | -18.54/-18.8   | -17.71/-18.67  | -17.48/-18.8   | -17.87/-18.36  | -19.22/-17.35  | -18.12/-18.21    | -18.97/-17.81    | -17.84/-18.08    | -17.49/-18.32    | -18.22/-17.58    | -18.75/-17.71    | -18.91/-18.39    | -18.81/-18.54    | -17.8/-18.08     | -19.02/-18.35    | -19.06/-17.72    | -18.43/-17.89    | -19.16/-18.6     | -18.6/-18.71     | -17.86/-18.4     | -18.35/-18.11    | -18.44/-18.29    |
| Θ(172.5°) | -18.03/-17.39 | -17.82/-17.89  | -18.29/-17.38  | -18.51/-17.5   | -19.01/-18.53  | -17.21/-18.14  | -18.55/-18.05  | -18.42/-19.05    | -18.79/-18.99    | -17.41/-18.49    | -14.73/-18.28    | -16.84/-19.16    | -17.89/-18.43    | -18.18/-18.58    | -17.42/-18.31    | -18.61/-18.13    | -17.3/-17.89     | -18.83/-18.33    | -17.74/-18.36    | -18.71/-17.75    | -19.02/-17.67    | -17.98/-18.67    | -18.2/-18.12     | -18.58/-17.83    |
| Θ(180°)   | -16.68/-18.24 | -16.95/-15.73  | -15.3/-15.94   | -17.07/-17.5   | -18.57/-18.11  | -17.59/-19.01  | -18.37/-19.28  | -18.5/-18.62     | -17.36/-18.01    | -18.12/-18.58    | -18.3/-18.73     | -17.02/-14.33    | -15.36/-18.32    | -18.47/-18.29    | -18.98/-17.55    | -18.53/-18.75    | -18.57/-18       | -19.3/-18.39     | -18.46/-18.56    | -17.72/-18.32    | -18.24/-18.36    | -19.12/-17.83    | -16.09/-14.8     | -14.33/-14.2     |
| Freq(Hz)  | 6.475GPol.    | PhiAnt.3       | -              | -              | -              | -              | -              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |
| Gain      | Φ(0°)Φ(7.5°)  | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
| Θ(0°)     | -12.56/-6.22  | -2.55/-0.28    | 1.622.97       | 3.914.67       | 5.195.63       | 5.986.04       | 5.715.19       | 4.53.57          | 2.390.87         | -1.44/-4.81      | -9.27/-17.62     | -1.67/-6.73      | -3.27/-0.78      | 1.172.74         | 3.834.22         | 4.76.17          | 5.736.07         | 5.915.66         | 5.384.72         | 3.942.93         | 1.980.32         | -1.91/-4.72      | 9.52/-18.51      | -1.91/-4.72      |
| Θ(7.5°)   | -13.79/-7.2   | -3.58/-1.23    | 0.812.45       | 3.374.23       | 4.995.57       | 5.986.21       | 6.36.29        | 5.975.42         | 4.723.77         | 2.590.83         | -1.28/-4.58      | -8.66/-17.76     | -13.63/-6.94     | -3.38/-0.66      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |



# Radiated Composite Gain Data\_Radio 1 6GHz for EUT 2

# Appendix G

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(15°)    | 3.83/2.37     | 2.57/1.75       | 0.92/0.34       | -0.56/-1.8      | -3.49/-5.95     | -8.93/-12.15    | -10.99/-9.27    | -4.86/-2.44       | -0.71/0.75        | 1.82/64           | 3.4/9.99          | 4.39/64           | 4.65/4.57         | 4.3/3.6           | 2.57/1.62         | 0.76/-1           | -3.5/-6.63        | -10.18/-11.96     | -10.06/-7.25      | -4.52/-2.3        | -0.77/0.31        | 0.95/1.66         | 2.36/3.13         | 3.65/3.89         |
| Θ(22.5°)  | 2.32/1.96     | 1.5/1.08        | 0.58/-0.24      | -1.6/-3.79      | -6.39/-9.27     | -12.3/-12.26    | -9.06/-6.21     | -3.87/-2.04       | -0.43/0.79        | 2.04/8.3          | 3.37/3.73         | 3.93/3.95         | 4.01/3.74         | 3.28/2.72         | 1.54/0.51         | -0.13/-1.85       | -3.98/-7.11       | -12.85/-16.68     | -13.07/-9.19      | -6.35/-4.39       | -1.34/-0.03       | 0.63/1.27         | 1.86/2.24         | 2.64/6.38         |
| Θ(35°)    | -0.10/-18     | -0.26/-1.93     | -2.84/-2.89     | -3.6/-5.42      | -8.51/-11.18    | -13.23/-12.82   | -9.69/-6.34     | -3.79/-1.99       | -0.42/0.62        | 1.72/54           | 2.95/3.55         | 3.92/3.87         | 3.74/3.47         | 2.98/2.46         | 1.54/0.13         | -1.3/-2.86        | -5.32/-8.06       | -10.71/-13.19     | -14.77/-11.12     | -7.69/-4.86       | -0.28/-1.68       | -0.54/0.22        | 0.30/0.56         | 1.06/1.34         |
| Θ(37.5°)  | -1.34/-1.38   | -2.55/-4.16     | -4.67/-5.6      | -6.88/-7.64     | -9.38/-12.46    | -13.27/-12.47   | -9.3/-6.51      | -4.06/-3.04       | -1.31/-0.02       | 1.09/1.61         | 2.35/2.72         | 2.45/2.09         | 1.94/1.63         | 1.23/0.94         | 0.17/-0.82        | -1.96/-3.47       | -6.69/-8.67       | -11.69/-14.69     | -15.03/-15.92     | -11.43/-7.08      | -4.85/-3.71       | -2.43/-2          | -1.81/-0.66       | -0.33/-0.89       |
| Θ(45°)    | -2.78/-4.16   | -6.01/-8.74     | -8.48/-8.07     | -8.9/-8.32      | -8.16/-10.99    | -13.38/-15.38   | -12.32/-9.51    | -6.79/-4.12       | -2.52/-1.26       | -0.61/0           | 0.69/1.27         | 1.35/1.11         | 1.13/0.76         | 0.25/-0.12        | -1.14/-1.6        | -1.65/-2.69       | -4.68/-9.49       | -10.25/-15.33     | -15.2/-16.18      | -17.49/-9.47      | -7.46/-6.68       | -5.52/-3.75       | -2.64/-2.33       | -0.21/-2.22       |
| Θ(52.5°)  | -3.94/-5.29   | -7.22/-8.44     | -11.1/-11.285   | -9.25/-10.33    | -11.8/-14.64    | -16.16/-12      | -9.26/-6.35     | -4.96/-3.37       | -2.74/-1.99       | -0.40/0.3         | -0.02/-0.29       | -0.48/-0.53       | -1.7/-1.93        | -0.96/-3.67       | -2.65/-4.21       | -5.36/-6.56       | -7.82/-13.66      | -16.38/-18.87     | -15.98/-13.48     | -12.42/-8.02      | -7.31/-5.03       | -4.29/-2.67       | -2.4/-3.33        |                   |
| Θ(60°)    | -5.05/-6.56   | -8.8/-9.26      | -12.01/-18.98   | -13.49/-14.18   | -14.72/-15.92   | -17.95/-18.69   | -18.78/-18.38   | -11.44/-7.66      | -6.37/-6.54       | -4.8/-3.83        | -2.33/-2.07       | -2.48/-2.92       | -2.47/-2.12       | -3.38/-3          | -3.08/-2.68       | -3.4/-4.73        | -6.08/-6.53       | -5.84/-8.69       | -14.06/-17.25     | -18.01/-14.97     | -13.79/-12.67     | -10.16/-7.23      | -5.78/-3.07       | -4.84/-5.76       |
| Θ(67.5°)  | -7.99/-8.58   | -10.09/-12.68   | -16.65/-17.3    | -18.67/-17.7    | -17.35/-12.85   | -14.21/-17.79   | -18.86/-18.25   | -13.7/-9.53       | -9.25/-9.21       | -5.64/-5.59       | -5.82/-5.24       | -5.5/-5           | -5.61/-5.6        | -5.93/-4.74       | -5.06/-5.15       | -5.17/-4.83       | -5.2/-6.28        | -6.2/-7.75        | -9.66/-13.49      | -19.29/-17.39     | -15.43/-16.71     | -14.36/-8.21      | -6.87/-6.09       | -6.18/-7.72       |
| Θ(75°)    | -16.95/-12.91 | -13.55/-17.78   | -18.97/-18.54   | -17.44/-17.56   | -17.7/-12.11    | -12.07/-19.01   | -18.82/-17.61   | -15.92/-11.93     | -12.58/-12.96     | -7.7/-8.89        | -8.23/-9.55       | -8.71/-12         | -7.87/-7.92       | -8.62/-5.96       | -5.9/-3.77        | -6.51/-4.79       | -6.58/-7.68       | -7.55/-6.95       | -8.08/-9.22       | -18.26/-17.71     | -17.13/-18.43     | -15.88/-8.59      | -9.99/-10.46      | -8.18/-11.64      |
| Θ(82.5°)  | -17.99/-14.84 | -15.18/-17.82   | -18.37/-18.51   | -17.59/-18.63   | -16.97/-13.75   | -13.13/-17.16   | -17.88/-18.86   | -15.1/-14.91      | -16.28/-15.45     | -9.63/-12.4       | -12.44/-11.83     | -9.08/-11.7       | -12.06/-9.88      | -9.93/-8.11       | -8.1/-11.46       | -7.2/-1.59        | -8.2/-8.47        | -9.88/-7.19       | -7.33/-8.76       | -18.44/-17.15     | -17.77/-17.83     | -15.87/-12.47     | -13.55/-9.76      | -9.24/-13.8       |
| Θ(90°)    | -18.0/-15.09  | -14.78/-18.91   | -18.64/-18.66   | -18.01/-17.31   | -18.72/-15.14   | -16.45/-17.29   | -18.64/-18.65   | -16.62/-18.08     | -18.29/-19.18     | -11.85/-13.58     | -18.1/-14.13      | -12.67/-9.98      | -12.31/-11.54     | -12.91/-11.29     | -12.36/-14.51     | -8.67/-6.17       | -10.16/-11.8      | -13.99/-9.54      | -8.96/-9.71       | -13.87/-18.13     | -18.85/-17.47     | -16.46/-17.35     | -14.45/-11.79     | -14.63/-14.28     |
| Θ(97.5°)  | -16.31/-15.96 | -16.69/-18.05   | -18.69/-17.8    | -17.57/-19.22   | -18.55/-16.28   | -17.62/-17.98   | -17.21/-19.03   | -16.87/-18.31     | -19.39/-18.6      | -15.54/-18.84     | -18.25/-14.46     | -16.33/-13.82     | -17.34/-10.65     | -13/-13.94        | -17.66/-14.39     | -9.26/-8.42       | -12.07/-14.11     | -13.73/-11.55     | -11.65/-11.63     | -15.06/-18.11     | -19.1/-18.17      | -16.6/-18.68      | -17.85/-17.76     | -18.93/-17.91     |
| Θ(105°)   | -19.11/-18.69 | -18.46/-18.28   | -17.83/-18.25   | -18.17/-18.84   | -18.52/-18.83   | -17.89/-18.98   | -18.47/-17.39   | -18.59/-18.88     | -18.96/-17.49     | -16.6/-18.5       | -18.06/-18.22     | -17.08/-14.27     | -14.93/-14.54     | -16.91/-15.85     | -12.51/-12.19     | -10.51/-14.32     | -11.45/-18.78     | -11.02/-15.4      | -12.05/-11.79     | -19.07/-18.61     | -18.11/-18.23     | -17.54/-18.64     | -18.99/-17.78     | -13.42/-17.12     |
| Θ(112.5°) | -17.51/-18.65 | -18.74/-18.28   | -17.92/-17.84   | -18.84/-17.7    | -19.21/-18.84   | -18.4/-18.31    | -18.27/-17.37   | -18.9/-18.22      | -18.32/-18.53     | -18.17/-17.7      | -17.63/-18.2      | -13.15/-14.61     | -18.07/-17.87     | -17.78/-12.75     | -15.21/-14.21     | -15.89/-10.4      | -16.18/-17.14     | -14.87/-12.91     | -17.83/-18.87     | -18.45/-16.59     | -17.19/-19        | -17.83/-17.87     | -16.46/-17.35     | -12.66/-16.03     |
| Θ(120°)   | -18.29/-18.11 | -18.03/-17.1    | -18.09/-17.76   | -18.92/-17.42   | -17.66/-17.55   | -18.83/-18.88   | -19.02/-17.66   | -18.66/-17.73     | -18.75/-18.82     | -18.55/-18.74     | -16.45/-18.27     | -18.63/-14.08     | -14.69/-11.58     | -13.39/-11.01     | -18.34/-12.54     | -13.51/-14.86     | -17.12/-14.97     | -15.5/-19.74      | -18.39/-17.72     | -18.73/-18.6      | -17.8/-17.83      | -18.16/-18.84     | -18.94/-18        |                   |
| Θ(127.5°) | -17.79/-18.66 | -18.46/-18.03   | -18.01/-17.27   | -18.6/-17.64    | -18.72/-18.03   | -19.01/-17.85   | -18.08/-18.05   | -17.92/-18.82     | -17.84/-17.73     | -18.37/-16.98     | -18.66/-19.13     | -16.54/-17.16     | -15.25/-13.01     | -14.6/-13.45      | -14.1/-13.57      | -18.04/-13.14     | -14.49/-19.23     | -18.39/-18.6      | -14.18/-17.94     | -18.66/-17.85     | -18.71/-18.47     | -18.18/-18.45     | -18.49/-17.68     | -18.79/-19.1      |
| Θ(135°)   | -17.64/-18.2  | -18.89/-18.81   | -19.15/-18.59   | -18.23/-18.95   | -19.02/-18.37   | -17.96/-17.95   | -18.11/-17.57   | -18.62/-18.47     | -17.13/-18.25     | -18.55/-17.5      | -16.76/-18.5      | -18.17/-19.03     | -18.69/-17.75     | -14.38/-16.69     | -13.52/-15.78     | -17.56/-18.47     | -14.28/-14.83     | -18.4/-18.78      | -15.9/-18.88      | -17.85/-19.05     | -18/-17.5         | -18.62/-17.68     | -17.88/-14.3      | -17.26/-17.09     |
| Θ(142.5°) | -17.93/-17.86 | -18.16/-18.78   | -18.37/-18.56   | -18.56/-19.28   | -18.9/-17.9     | -18.25/-18.36   | -18.02/-17.07   | -18.72/-17.71     | -17.81/-15.66     | -17.54/-18.8      | -17.59/-15.09     | -15.07/-13.58     | -13.21/-12.28     | -11.65/-13.79     | -18.34/-18.75     | -18.04/-17.97     | -18.38/-18.76     | -18.52/-18.28     | -18.97/-17.97     | -17.61/-17.6      | -18.85/-18.18     | -18.85/-19.09     | -18.17/-19.7      |                   |
| Θ(150°)   | -18.91/-17.98 | -18.34/-17.81   | -18.93/-18.82   | -18.01/-18.37   | -18.2/-18.46    | -17.92/-18.64   | -17.65/-18.12   | -18/-18.2         | -18.08/-18.38     | -18.79/-17.3      | -17.3/-18.9       | -18.63/-17.71     | -18.99/-18.56     | -18.44/-17.42     | -17.02/-16.53     | -18.1/-18.89      | -18.36/-18.2      | -18.06/-17.89     | -18.05/-18.8      | -18.84/-18.26     | -18.46/-17.92     | -18.16/-18.45     | -18.43/-18.27     | -18.08/-18.03     |
| Θ(157.5°) | -17.87/-18.23 | -18.51/-17.59   | -18.03/-18.84   | -18.95/-17.91   | -17.58/-18.75   | -18.72/-18.09   | -18.14/-18.62   | -17.59/-18.55     | -18.47/-17.62     | -18.69/-18.35     | -17.84/-16.57     | -14.96/-14.73     | -16.14/-15.94     | -15.22/-15.76     | -18.43/-19.27     | -17.89/-18.41     | -18.34/-17.64     | -18.49/-17.18     | -17.58/-16.58     | -15.34/-18.73     | -18.65/-17.82     | -18.02/-17.52     | -17.59/-17.56     | -18.31/-17.76     |
| Θ(165°)   | -18.14/-17.7  | -18.94/-18.45   | -18.84/-18.16   | -18.25/-18.06   | -18.15/-18.03   | -18.65/-18.4    | -18.9/-18.53    | -17.86/-17.71     | -17.51/-18.77     | -19.28/-18.84     | -18.08/-18.08     | -18.14/-18.14     | -16.25/-16.5      | -16.36/-16.91     | -17.93/-18.93     | -17.58/-18.65     | -17.55/-18.95     | -18.44/-17.19     | -18.33/-17.93     | -18.23/-18.25     | -19.27/-18.84     | -17.39/-18.44     | -16.01/-17.57     | -18.47/-18.06     |
| Θ(172.5°) | -18.9/-17.9   | -18.91/-18.2    | -18.58/-18.68   | -17.67/-18.42   | -17.91/-18.53   | -17.18/-18.13   | -18.23/-18.66   | -17.89/-19.02     | -17.57/-18.1      | -17.89/-18.46     | -18.39/-18.89     | -18.67/-17.46     | -18.97/-17.29     | -16.94/-18.46     | -17.99/-18.92     | -18.06/-18.94     | -18.12/-18.3      | -18.28/-18.64     | -17.49/-19.1      | -18.16/-18.66     | -18.63/-17.11     | -18.39/-17.47     | -18.5/-18.04      | -19.04/-18.38     |
| Θ(180°)   | -17.78/-17.85 | -17.49/-17.95   | -17.02/-17.28   | -17.89/-18.29   | -17.53/-18.29   | -18.28/-18.19   | -19.03/-18.9    | -19.17/-18.54     | -17.57/-18.8      | -18.62/-18.63     | -19.39/-18.03     | -16.73/-17.64     | -18.31/-17.87     | -17.4/-17.45      | -18.5/-19.04      | -17.68/-18.34     | -18.51/-18.39     | -18.52/-18.57     | -18.39/-17.5      | -18.79/-18.42     | -18.82/-17.53     | -18.9/-18.08      | -17.81/-17.68     | -17.53/-17.13     |
| Freq(Hz)  | 6.995GPol.    | Phi/Ant. 3      | +               | +               | +               | +               | +               | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 |                   |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | -8.38/-6.47   | -3.37/-0.87     | 0.75/2.26       | 3.25/4.2        | 4.85/44         | 5.89/6.16       | 6.21/6.33       | 6.13/5.78         | 5.21/4.43         | 3.52/2.28         | 0.68/-1.47        | -4.34/-7.95       | -9.29/-6.74       | -3.1/-0.73        | 1.07/2.77         | 3.98/4.57         | 5.15/5.75         | 6.11/6.44         | 6.37/6.06         | 5.64/5.13         | 4.51/3.57         | 2.61/2.25         | -0.53/-2.64       | -5.43/-7.87       |
| Θ(7.5°)   | -7.79/-5.34   | -2.66/-0.25     | 1.32/76         | 3.82/8.61       | 5.23/5.81       | 6.26/29         | 6.18/5.91       | 5.59/5.12         | 4.46/3.69         | 2.77/1.62         | 0.2/0.05          | -4.53/-7.54       | -7.65/-3.32       | -2.81/-0.83       | 0.81/2.36         | 3.53/4.24         | 4.77/5.31         | 5.85/6.18         | 6.24/6.02         | 5.78/5.26         | 4.59/3.77         | 2.71/4            | -0.45/-2.65       | -5.35/-11.05      |
| Θ(15°)    | -9/-5.53      | -2.67/-0.4      | 0.89/2.19       | 3.07/3.86       | 4.56/5.01       | 5.41/5.6        | 5.71/5.72       | 5.45/4.95         | 4.29/3.54         | 2.66/1.46         | -0.17/-2.2        | -4.57/-7.38       | -9.1/-7.86        | -5.32/-3.18       | -1.06/0.58        | 2.34/34           | 3.99/4.65         | 5.24/5.71         | 5.91/5.81         | 5.51/4.94         | 4.08/3.16         | 1.99/0.59         | -1.05/-3.29       | -6.9/-11.05       |
| Θ(22.5°)  | -9.75/-6.61   | -4.22/-2.41     | -0.61/0.8       | 1.78/2.33       | 3.02/3.67       | 4.23/4.54       | 4.54/4.67       | 4.48/4.39         | 3.14/2.56         | 1.72/0.48         | -1.21/44          | -7.05/-9.17       | -9.29/-6.7        | -4.2/-2.16        | -0.84/0.4         | 1.66/2.63         | 3.11/3.67         | 4.07/4.48         | 4.81/4.87         | 4.72/4.13         | 3.91/3.37         | 1.97/-0.24        | -2.59/-5.36       | -8.8/-11.39       |
| Θ(30°)    | -11.06/-8.83  | -6.86/-4.36     | -2.98/-1.69     | -0.37/0.46      | 1.65/2.33       | 2.57/3.07       | 3.28/3.44       | 3.55/3.08         | 2.38/1.64         | 0.64/-0.37        | -1.57/-4.13       | -7.16/-9.64       | -10.41/-8.57      | -6.86/-4.7        | -2.78/-1.8        | -0.28/-1.19       | 1.85/1.91         | 2.18/2.47         | 2.68/2.55         | 2.53/2.02         | 1.49/1.38         | 0.46/-1.17        | -3.32/-6.59       | -10.76/-13.1      |
| Θ(37.5°)  | -16.48/-13.09 | -9.09/-6.19     | -4.74/-3.07     | -1.67/-2.1      | -2.05/-0.34     | 1.02/1.82       | 1.66/1.87       | 2.29/1.97         | 1.23/0.91         | -0.71/-2.52       | 4.06/-9.86        | -9.54/-12.76      | -13.11/-10.46     | -8.53/-4.79       | -2.77/-1.71       | -0.95/0.24        | 0.75/1.02         | 1.83/1.71         | 1.63/1.66         | 1.24/0.19         | -1.2/-2.06        | -2.94/-3.93       | -4.7/-6.09        | -10.97/-18.37     |
| Θ(45°)    | -17.29/-18.48 | -10.09/-10.46   | -9.63/-7.73     | -6.99/-5.05     | -3.26/-1.99     | -2.08/-0.69     | -1.09/-0.83     | -0.27/0           | -0.63/-0.9        | -2.05/-3.82       | -5.08/-7.85       | -12.06/-15.68     | -17.64/-14.15     | -11.05/-7.65      | -5.24/-3.67       | -2.04/-0.93       | -0.12/-0.96       | -0.51/-1.1        | -1.09/-0.56       | -1.62/-2.19       | -4.46/-5.42       | -9.27/-10.64      | -15.32/-17.46     |                   |
| Θ(52.5°)  | -18.4/-17.69  | -14.6/-13.53    | -13.41/-10.35   | -8.38/-6.2      | -5.31/-3.88     | -4.07/-3.23     | -3.09/-2.86     | -2.9/-3.38        | -3.22/-2.82       | -4.29/-7.02       | -9.08/-10.93      | -13.4/-16.21      | -16.82/-14.27     | -9.83/-8.44       | -5.75/-4.15       | -3.04/-2.69       | -2.13/-1.78       | -2.99/-2.69       | -3.46/-3.67       | -4.4/-4.88        | -7.71/-9.11       | -9.82/-10.01      | -12.22/-12.7      | -18.73/-18.7      |
| Θ(60°)    | -18.24/-17.75 | -17.45/-18.14   | -11.95/-10.43   | -8.61/-9.27     | -6.99/-6.1      | -6.2/-7.14      | -5.84/-8.69     | -6.18/-6.51       | -6.33/-6.9        | -7.91/-8.63       | -12.03/-13.97     | -14.53/-18.99     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 1 6GHz for EUT 2

# Appendix G

|           |                 |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(60°)    | -14.65/-9.51    | -5.31/-2.52     | -1.26/-1.83     | -0.48/-2.02     | -3.97/-2.43     | -1.13/0.15      | 0.45/0.62       | -0.72/-1.5        | -0.09/-0.45       | -1.98/-1.69       | -2.67/-5.79       | -5.13/-7.57       | -17.26/-18.29     | -9.31/-6.79       | -4.25/-2.2        | -2.1/-2.68        | -3.13/-2.33       | -2.06/-3.39       | -2.49/-3.62       | -3.86/-4.35       | -4.75/-5.81       | -5.26/-6.68       | -7.96/-10.4       | -15.11/-17.43     |
| Θ(67.5°)  | -13.67/-9.51    | -6.01/-3.14     | -2.69/-3        | -1.38/-3.56     | -5.49/-3.87     | -3.91/-3.31     | -2.86/-2.19     | -2.26/-2.68       | -2.1/-3.07        | -3.92/-4.1        | -5.75/-7.36       | -5.55/-10.78      | -19.33/-18.99     | -9.36/-10.26      | -6.76/-3.97       | -4.98/-5.17       | -5.82/-5.35       | -5.1/-6.5         | -5.16/-4.98       | -5.57/-7.88       | -7.36/-7.59       | -5.81/-10.6       | -9.09/-11.9       | -17.73/-17.14     |
| Θ(75°)    | -14.71/-9.15    | -8.12/-6.77     | -5.54/-4.42     | -3.53/-4.87     | -6.48/-5.98     | -7.81/-7.57     | -5.95/-4.22     | -4.14/-4.08       | -4.2/-4.94        | -5.08/-5.83       | -5.97/-8.66       | -7.66/-10.37      | -18.65/-19.09     | -13.35/-12.14     | -8.99/-6.27       | -7.35/-7.27       | -9.42/-9.08       | -10.33/-11.02     | -11.31/-7.65      | -6.72/-10.58      | -11.22/-7.95      | -6.51/-11.03      | -10.33/-15.09     | -17.68/-19.16     |
| Θ(82.5°)  | -15.47/-9.99    | -10.02/-8.94    | -8/-5.95        | -6.17/-7.66     | -8.98/-9.83     | -10.93/-7.87    | -5.67/-5.07     | -5.82/-4.94       | -5.75/-7.45       | -8.09/-7.28       | -8.5/-10.91       | -11.47/-18.03     | -18.16/-17.7      | -16.52/-13.93     | -9.69/-8.67       | -9.64/-9.06       | -14.42/-16.22     | -17.42/-12.81     | -18.27/-12.49     | -9.04/-13.26      | -16.3/-9.99       | -8/-10.87         | -14.21/-18.49     | -18.51/-18.98     |
| Θ(90°)    | -16.59/-12.43   | -14.17/-11.39   | -10.82/-7.94    | -8.39/-9.99     | -11.53/-14.63   | -15.36/-9/18    | -6.43/-5.56     | -8.72/-7.04       | -6.81/-9.79       | -9.18/-9.97       | -9.79/-13.03      | -13.24/-15.68     | -17.61/-13.34     | -18.43/-15.6      | -11.76/-9.94      | -11.08/-9.75      | -18.14/-17.53     | -18.18/-14.58     | -15.66/-17.7      | -13.14/-13.45     | -17.28/-12.75     | -12.12/-14.33     | -18.84/-18.54     | -19.05/-18.85     |
| Θ(97.5°)  | -16.35/-15.72   | -18.16/-16.01   | -12.82/-10.48   | -11.47/-13.28   | -15.5/-17.74    | -15.69/-10.87   | -8.60/-7.69     | -8.61/-12.61      | -13.88/-10.94     | -11.72/-18.86     | -17.95/-17.85     | -18.65/-18.43     | -17.95/-17.85     | -11.98/-13.08     | -12.63/-12        | -17.21/-18.57     | -17.67/-14.63     | -18.26/-17.88     | -17.88/-14.47     | -16.33/-16.61     | -17.72/-17.91     | -17.48/-18.82     | -17.48/-19.04     |                   |
| Θ(105°)   | -18.11/-15.26   | -17.6/-18.07    | -14.46/-12.66   | -17.75/-16.16   | -15.11/-14.75   | -14.59/-14      | -10.06/-10.66   | -15.45/-14.04     | -11.91/-14.64     | -14/-14.7         | -13.34/-19.1      | -15.78/-18.85     | -18.27/-18.45     | -18.87/-17.95     | -14.92/-15.53     | -13.53/-11.82     | -15.73/-18.81     | -17.37/-14.17     | -11.43/-17.83     | -14.51/-13.65     | -13.56/-18.48     | -18.01/-19.41     | -18.6/-17.28      | -18.56/-18.14     |
| Θ(112.5°) | -18.73/-14.97   | -18.14/-17.65   | -15.55/-11.52   | -18.5/-18.5     | -18.13/-16.95   | -13.5/-12.92    | -11.39/-12.61   | -18.25/-17.09     | -18.66/-14.25     | -17.62/-16        | -14.58/-18.17     | -18.89/-18.42     | -17.67/-18.22     | -17.56/-18.11     | -16.25/-15.66     | -14.28/-14.86     | -14.99/-18.18     | -19.11/-16.12     | -10.84/-18.43     | -18.04/-15.8      | -15.36/-17.66     | -18/-18.62        | -18.77/-18.14     | -18.28/-19.34     |
| Θ(120°)   | -18.32/-18.18   | -18.37/-17.95   | -17.24/-15.71   | -18.07/-17.25   | -17.76/-18.07   | -19.34/-18.49   | -16.13/-16.05   | -18.35/-17.62     | -19.03/-14.96     | -18.38/-18.23     | -18.84/-16.32     | -14.72/-18.22     | -18.11/-18.17     | -18.45/-18.73     | -18.64/-15.87     | -12.84/-13.66     | -14.91/-17.52     | -18.32/-19.02     | -11.54/-18.87     | -18.82/-17.3      | -14.95/-17.67     | -18.28/-17.81     | -18.71/-18.32     | -18.21/-19.08     |
| Θ(127.5°) | -18.3/-18.97    | -17.23/-18.44   | -18.56/-18.8    | -15.99/-18.34   | -18.02/-16.37   | -16.91/-14.25   | -15.94/-16.55   | -18.19/-17.38     | -17.78/-15.66     | -18.86/-17.87     | -18.63/-17.93     | -17.22/-17.85     | -19.23/-18.1      | -18/-17.34        | -17.59/-18.24     | -11.82/-12.87     | -18.94/-19        | -19.11/-18.13     | -14.13/-14.97     | -16.57/-15.95     | -14.77/-13.61     | -18.36/-18.23     | -18.34/-17.27     | -18.96/-19.18     |
| Θ(135°)   | -19.34/-18.96   | -17.28/-19.01   | -17.54/-18.49   | -18.4/-18.3     | -18.78/-17.38   | -17.97/-16.37   | -17.09/-12.92   | -18.52/-15.87     | -16.53/-18.13     | -17.71/-17.77     | -18.43/-16.3      | -18.49/-18.42     | -17.67/-18.04     | -18.43/-17.6      | -18.41/-18.41     | -16.78/-12.57     | -18.12/-19.11     | -17.85/-16.25     | -13.13/-15.6      | -18.84/-18.34     | -16.42/-13.76     | -17.72/-17.92     | -18.79/-17.8      | -18.13/-18.29     |
| Θ(142.5°) | -18.14/-18.23   | -18.45/-17.81   | -17.99/-18.03   | -17.72/-18.31   | -18.07/-17.3    | -18.71/-17.9    | -18.06/-18.68   | -18.69/-19.5      | -18.57/-16.2      | -18.57/-16.1      | -18.47/-17.59     | -18.45/-18.28     | -17.67/-17.33     | -17.37/-17.71     | -19.22/-18.38     | -16.49/-17.47     | -16.55/-18.09     | -17.43/-17.65     | -13.4/-16.25      | -17.9/-17.55      | -17.6/-18.03      | -17.97/-17.09     | -18.01/-18.51     | -18.91/-17.96     |
| Θ(150°)   | -17.57/-18.55   | -17.93/-18.06   | -19.15/-18.82   | -17.98/-18.08   | -17.77/-19.46   | -18.9/-18.65    | -18.46/-18.25   | -17.81/-18.2      | -19.16/-17.45     | -18.24/-17.57     | -18.1/-18.17      | -18.01/-18.02     | -18.65/-17.77     | -18.78/-18.47     | -19.06/-18.33     | -18.55/-18.7      | -18.78/-19.12     | -17.87/-18.73     | -17.36/-18.63     | -19.28/-19.12     | -18.26/-18.46     | -18.47/-18.35     | -17.92/-18.58     | -18.84/-18.42     |
| Θ(157.5°) | -17.62/-17.63   | -18.37/-18      | -17.98/-18.18   | -18.81/-18.1    | -18/-17.19      | -17.76/-18.26   | -17.62/-18.55   | -18.57/-18.2      | -17.79/-18.33     | -18.11/-18.44     | -18.38/-19.02     | -17.67/-18.04     | -18.42/-17.68     | -18.43/-17.6      | -18.03/-17.41     | -18.27/-18.28     | -17.76/-18.12     | -17.85/-18.22     | -17.36/-18.72     | -18.44/-18.13     | -18.41/-18.08     | -18.72/-18.76     | -19.04/-18.42     | -18.2/-17.74      |
| Θ(165°)   | -19.31/-17.9    | -18.19/-18.27   | -19.13/-18.48   | -18.19/-18.17   | -17.53/-18.64   | -18.5/-18.6     | -17.71/-19.14   | -17.75/-18.27     | -17.76/-19.37     | -18.34/-17.84     | -17.57/-18.31     | -18.62/-18.46     | -17.73/-17.64     | -17.59/-17.89     | -18.56/-18.05     | -17.57/-18.34     | -18.85/-17.66     | -17.78/-17.5      | -17.44/-19        | -18.41/-17.92     | -18.36/-18.29     | -18.18/-17.77     | -18.75/-18.18     |                   |
| Θ(172.5°) | -18.83/-17.86   | -18.41/-18.5    | -18.89/-18.55   | -18.4/-18.36    | -18/-19.13      | -17.94/-18.63   | -18.2/-18.95    | -17.61/-17.84     | -18.45/-17.5      | -17.8/-18.74      | -18.25/-18.39     | -17.5/-17.86      | -17.98/-18.22     | -18.53/-18.44     | -18.77/-17.81     | -17.86/-18.43     | -17.72/-18.68     | -18.14/-18.72     | -18.25/-17.96     | -18.06/-18.18     | -17.41/-18.25     | -17.99/-18.53     | -18.55/-17.71     | -17.91/-19.21     |
| Θ(180°)   | -18.07/-18.85   | -18.25/-18.69   | -18.8/-19.23    | -17.72/-17.91   | -18.29/-17.42   | -17.79/-17.98   | -18.59/-18.84   | -17.49/-18.6      | -18.47/-19.07     | -17.11/-18.23     | -18.51/-18.2      | -17.47/-17.62     | -17.77/-17.85     | -18.33/-18.47     | -18.78/-19.08     | -18.56/-19.38     | -18.97/-18.87     | -17.38/-18.69     | -18.99/-18.02     | -17.66/-18.29     | -18.04/-17.86     | -17.47/-18.81     | -19.07/-17.95     | -17.99/-17.74     |
| Freq(Hz)  | 6.4750GPol.     | Phi/Ant. 4      | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain      | Φ(0°)/Φ(7.5°)   | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | <b>7.286</b> 99 | 6.716 34        | 5.8/4           | 3.822 4         | 0.65/-1.81      | -5.26/-12.17    | -18.94/-9.91    | -4.36/-1.09       | 1.212 85          | 4.054 98          | 5.515 93          | 6.356 67          | 6.786 88          | 6.515 63          | 5.454 93          | 3.742 22          | 0.42/-1.56        | -4.14/-9.24       | -18.18/-10.75     | -4.56/-1.07       | 1.122 57          | 3.714 72          | 5.376 04          | 6.77 22           |
| Θ(7.5°)   | 7.036 95        | 6.696 34        | 6.045 36        | 4.433 3         | 1.82/-3.07      | -3.74/-8.33     | -16.51/-10.92   | -4.62/-1.107      | 1.423 29          | 4.615 69          | 6.336 75          | 7.227 16          | 6.725 99          | 5.564 99          | 3.281 51          | -1.19/-3.86       | -7.57/-14.9       | -16.31/-18.4      | -3.78/-1.19       | 0.732 2           | 3.514 37          | 4.955 58          | 6.36 83           |                   |
| Θ(15°)    | 5.885 84        | 5.454 96        | 4.193 21        | 1.980 57        | -1.11/-3.16     | -6.02/-10.93    | -18.86/-15.09   | -7.81/-3.96       | -0.92/1.91        | 3.815 13          | 5.936 26          | 6.466 71          | 6.956 98          | 7.046 59          | 5.615 19          | 4.152 47          | 0.48/-2.41        | -6.9/-12.52       | -17.06/-12.38     | -6.82/-3.35       | -1.01/-1.12       | 2.843 93          | 4.474 69          | 4.995 43          |
| Θ(22.5°)  | 4.44 37         | 3.872 94        | 1.720 78        | -0.15/-0.58     | -1.68/-3.44     | -5.64/-9.74     | -18.58/-15.05   | -8.16/-5.72       | -3.050 35         | 3.124 4           | 5.135 53          | 6.036 23          | 6.226 05          | 5.924 93          | 3.962 29          | 2.681 04          | -0.57/-2.09       | -5.44/-11.47      | -18.08/-18.72     | -10.32/-6.77      | -3.12/-0.14       | 1.882 77          | 3.053 12          | 3.44 78           |
| Θ(30°)    | 2.311 76        | 1.20 74         | 0.21/-0.36      | -1.21/-0.99     | -5.88/-7.44     | -7.78/-9.32     | -13.17/-18.64   | -12.37/-10.88     | -4.49/-1.71       | 1.333 3           | 4.164 66          | 4.964 99          | 4.934 93          | 4.964 43          | 3.363 25          | 0.98/-0.18        | -2.41/-5.24       | -14.41/-11.98     | -9.69/-6.73       | -1.22/-0.41       | -0.120 36         | 1.15 72           |                   |                   |
| Θ(37.5°)  | -1.33/-0.68     | -0.67/-2.3      | -3.94/-4.37     | -4.63/-4.68     | -5.37/-9.28     | -13.76/-12.86   | -13.5/-16.15    | -13.13/-8.67      | -5.75/-2.9        | -0.14/-1.9        | 2.743 37          | 4.314 63          | 4.354 2           | 4.033 48          | 2.130 97          | 0.21/-1.01        | -2.7/-6.07        | -10.77/-14.19     | -18.13/-14.21     | -9.88/-6.08       | -5.25/-4.79       | -3.52/-4.26       | -3.54/-2.38       | -0.96/-1.47       |
| Θ(45°)    | -3.47/-3.3      | -4.31/-5.81     | -5.85/-7.06     | -8.27/-8.31     | -6.92/-7.44     | -12.39/-17.98   | -19.01/-18.7    | -13/-9.03         | -7.81/-4.55       | -3.02/-1.1        | 0.572 16          | 2.832 53          | 2.272 95          | 2.832             | 0.88/-0.64        | -1.61/-1.62       | -3.18/-4.95       | -10.09/-13.6      | -18.83/-16.08     | -11.88/-10.31     | -8.7/-6.51        | -5.91/-6.53       | -3.72/-3.61       | -3.68/-4.58       |
| Θ(52.5°)  | -6.47/-5.69     | -6.73/-8.33     | -6.26/-6.03     | -8.78/-7.23     | -10.98/-10.34   | -10.37/-17.4    | -18.99/-19.06   | -13.1/-9.34       | -5.07/-2.93       | -0.59/-1.97       | 1.431 5           | 1.241 13          | 0.930 84          | 0.48/-0.93        | -2.02/-2.67       | -4.98/-6.12       | -10.89/-12.29     | -17.43/-15.78     | -11.97/-15.12     | -8.99/-7.98       | -6.53/-5.79       | -6.7/-5.97        | -7.84/-6.57       |                   |
| Θ(60°)    | -10.7/-9.22     | -13.67/-9.47    | -7.61/-6.18     | -6.97/-12.61    | -17.45/-18.23   | -13.71/-17.71   | -19.14/-18.25   | -13.73/-10.53     | -7.53/-6.37       | -5.48/-4.37       | -2.78/-1.34       | -0.30/-0.4        | -0.65/-0.53       | -0.89/-0.8        | -1.5/-2.45        | -2.94/-3.42       | -4.92/-7.64       | -11.25/-11.29     | -14.64/-19.1      | -15.87/-18.62     | -9.83/-14.25      | -10.25/-7.9       | -7.77/-5.98       | -8.76/-10.08      |
| Θ(67.5°)  | -10.64/-14.85   | -13.47/-10.21   | -17.73/-14.52   | -14.2/-17.83    | -14.21/-17.72   | -15.57/-11.7    | -17.19/-19.81   | -15.07/-10.55     | -6.97/-5.78       | -5.78/-5.61       | -4.12/-2.87       | -1.74/-2.03       | -2.49/-2.77       | -3.03/-3.73       | -5.03/-5.45       | -6.24/-9.05       | -12.06/-13.86     | -15.33/-18.31     | -15.84/-17.7      | -11.78/-14.03     | -8.35/-18.9       | -7.41/-8.69       | -8.85/-11.3       |                   |
| Θ(75°)    | -9.8/-9.48      | -8.06/-10.37    | -10.84/-14.07   | -17.54/-11.68   | -10.88/-14.64   | -12.71/-9.91    | -17.15/-17.66   | -16.52/-12.77     | -7.68/-5.78       | -6.33/-7.26       | -5.68/-5.93       | -3.8/-3.59        | -4.94/-5.19       | -4.46/-3.68       | -4.36/-5.04       | -6.74/-6.9        | -7.56/-9.27       | -13.87/-17.29     | -14.75/-18.23     | -13.29/-12.28     | -8.6/-8.89        | -7.71/-10.79      | -8.9/-8.71        |                   |
| Θ(82.5°)  | -11.27/-9.43    | -7.38/-12.81    | -8.29/-13.54    | -14.94/-11.2    | -12.96/-12.27   | -10.43/-11.65   | -18.33/-17.29   | -13.63/-10.48     | -7.15/-9.37       | -8.26/-8.94       | -7.21/-7.18       | -5.15/-5.63       | -7.43/-6.72       | -5.89/-4.98       | -6.05/-6.6        | -8.72/-8.86       | -10.89/-12.57     | -16.33/-18.81     | -17.36/-17.58     | -17.6/-18.55      | -14.59/-12.04     | -8.67/-7.23       | -9/-11.92         | -11.24/-9.31      |
| Θ(90°)    | -13.45/-11.26   | -8.05/-15.03    | -8.66/-15.01    | -15.02/-12.5    | -13.59/-12.02   | -10.6/-16.35    | -18.09/-16.58   | -11.09/-11.92     | -9.2/-10.4        | -9.27/-9.9        | -8.86/-9.37       | -7.66/-7.11       | -7.61/-9.38       | -9.09/-7.52       | -7.62/-8.81       | -9.65/-10.18      | -13.52/-13.83     | -16.68/-17.84     | -17.61/-28.5      | -18.08/-14.86     | -17.88/-18.72     | -10.45/-9.95      | -11.1/-12.98      | -15.01/-13.26     |
| Θ(97.5°)  | -13.63/-12.51   | -9.03/-13.81    | -10.65/-16.55   | -14.14/-18.56   | -13.03/-12.95   | -12.75/-19.09   | -16.8/-14.78    | -11.06/-10.71     | -9.77/-11.5       | -11.33/-13.12     | -10.74/-12.35     | -7.94/-9.27       | -11.74/-13.1      | -9.97/-8.75       | -8.8/-8.8         | -10.16/-10.53     | -16.96/-15.35     | -19/-18.92        | -18.77/-18.06     | -18.89/-10.33     | -17.87/-19.25     | -12.49/-15.07     | -12.81/-13.34     | -14.15/-15.87     |
| Θ(105°)   | -17.18/-10.73   | -13.89/-12.09   | -15.33/-15.61   | -16.86/-18.61   | -11.69/-17.79   | -15.59/-19.08   | -16.06/-13.78   | -11.64/-12.85     | -11.95/-13.76     | -12.22/-11.42     | -12.84/-14.17     | -12.47/-12.06     | -15.06/-16.9      |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



Radiated Composite Gain Data\_Radio 1 6GHz for EUT 2

Appendix G

|            |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ (112.5°) | -17.84/-18.34 | -16.08/-18.56   | -14.1/-13.11    | -18.57/-17.74   | -18.98/-18.68   | -16.86/-19.12   | -14.69/-19.06   | -17.91/-18.26     | -18.18/-17.77     | -17.22/-17.96     | -17.92/-18.02     | -14.99/-14.11     | -15.48/-17.58     | -18.84/-18.9      | -18.02/-18.66     | -18.47/-18.34     | -19.05/-18.38     | -17.22/-16.9      | -15.85/-18.62     | -18.71/-17.95     | -18.51/-19.21     | -16.5/-19.15      | -19.17/-18.19     | -19.03/-17.58     |
| Θ (120°)   | -18.68/-18.6  | -18.98/-18.58   | -19.24/-15.44   | -19.04/-18.85   | -18.05/-18.76   | -18.19/-16.72   | -15.85/-15.76   | -18.14/-18.46     | -19.01/-18.74     | -17.52/-17.82     | -17.67/-16.4      | -17.83/-18.07     | -18.35/-18.3      | -18.33/-18.65     | -19.07/-18.04     | -17.82/-17.51     | -18.2/-17.72      | -17.76/-16.93     | -15.81/-18.11     | -18.27/-17.8      | -17.67/-16.28     | -18.24/-18.03     | -18.38/-17.95     | -18.55/-17.95     |
| Θ (127.5°) | -18.88/-18.06 | -18.19/-18.74   | -18.18/-17.08   | -18.22/-17.73   | -18.1/-17.59    | -17.76/-18.64   | -18.11/-18.68   | -17.47/-18.35     | -18.27/-18.76     | -18.27/-18.1      | -18.48/-18.61     | -18.48/-19.21     | -18.78/-18.94     | -17.7/-18.67      | -18.56/-17.6      | -19.1/-18.34      | -18.33/-18.96     | -17.96/-17.29     | -16.21/-17.91     | -18.1/-17.61      | -18.54/-15.91     | -18.35/-18.1      | -18.8/-17.91      | -18.02/-18.68     |
| Θ (135°)   | -18.68/-19.41 | -18.34/-17.8    | -17.27/-18.15   | -18.91/-19.11   | -17.73/-18.12   | -17.81/-18.75   | -18.73/-18.29   | -17.4/-18         | -18.03/-18.33     | -17.63/-17.96     | -15.02/-15.76     | -17.52/-15.53     | -17.94/-18.65     | -18.23/-18.48     | -18.39/-18.1      | -16.3/-17.53      | -18.95/-19.26     | -18.14/-18.31     | -18.85/-18.54     | -17.57/-18.19     | -16.48/-18.31     | -17.42/-18.44     | -18.35/-17.95     | -18.72/-18.81     |
| Θ (142.5°) | -17.98/-18.95 | -18.09/-18.65   | -18.22/-17.83   | -17.87/-17.67   | -17.84/-17.81   | -18.43/-17.92   | -19.13/-17.7    | -17.96/-18.66     | -17.98/-18.16     | -18.45/-19.05     | -18.41/-18.53     | -18.06/-18.86     | -17.84/-18.25     | -18.63/-18.24     | -18.18/-17.28     | -18.58/-18.57     | -19.24/-17.58     | -17.64/-18.02     | -17.43/-19.02     | -19.07/-17.97     | -19.1/-19.65      | -18.34/-17.69     | -17.97/-18        | -18.06/-17.93     |
| Θ (150°)   | -18.07/-18.59 | -18.44/-19.03   | -18.3/-17.72    | -17.42/-18.49   | -18.77/-18.21   | -18.64/-19.13   | -18.32/-18.01   | -17.73/-18.81     | -18.38/-17.63     | -17.55/-18.97     | -18.04/-17.6      | -17.62/-17.89     | -17.71/-18.83     | -17.77/-17.82     | -18.86/-18.52     | -17.86/-18.57     | -19.22/-18.53     | -18.4/-18.61      | -17.56/-19.03     | -18.68/-18.25     | -17.45/-18.58     | -18.37/-18.66     | -18.04/-18.2      | -18.64/-17.87     |
| Θ (157.5°) | -17.54/-17.89 | -18.12/-18.89   | -17.69/-18.4    | -17.89/-17.17   | -17.37/-18.39   | -18.68/-18.01   | -18.96/-18.48   | -18.69/-18.15     | -18.63/-18.54     | -18.65/-18.67     | -18.66/-19        | -18/-18.69        | -17.95/-17.49     | -18.21/-19.02     | -17.76/-18.43     | -18.93/-18.11     | -19.33/-18.3      | -18.72/-18.09     | -18.42/-18.57     | -18.75/-18.16     | -17.94/-18.68     | -18.27/-18.86     | -17.69/-17.34     | -18.99/-17.96     |
| Θ (165°)   | -18.13/-18.05 | -18.85/-18.15   | -18.95/-18.45   | -18.08/-18.14   | -17.88/-18.38   | -17.06/-17.83   | -18.28/-18.62   | -19.18/-17.82     | -18.55/-17.94     | -18.47/-17.99     | -18.49/-17.85     | -18.65/-18.3      | -17.28/-19.06     | -17.44/-18.48     | -18.55/-18.58     | -17.47/-17.54     | -17.84/-18.7      | -18.74/-18.5      | -18.35/-18.5      | -18.63/-18.01     | -18.25/-18.12     | -18.08/-17.37     | -17.53/-18.81     | -18.21/-17.83     |
| Θ (172.5°) | -17.69/-18.07 | -18.22/-17.84   | -18.19/-18.06   | -18.45/-18.09   | -18.96/-18.5    | -18.5/-17.94    | -17.46/-19.23   | -17.63/-18.27     | -18.33/-18.76     | -17.93/-17.89     | -18.16/-18.02     | -18.78/-19.06     | -17.17/-18.14     | -18.6/-18.17      | -17.24/-18.11     | -18.58/-17.76     | -17.47/-18.9      | -17.49/-17.88     | -17.86/-18.94     | -17.9/-17.39      | -18.22/-18.78     | -17.81/-18.47     | -18.96/-17.16     | -18.24/-18.12     |
| Θ (180°)   | -18.37/-18.18 | -19.04/-18.21   | -18.27/-18.39   | -18.01/-18.35   | -18.42/-17.84   | -18.58/-18.78   | -18.59/-18.96   | -19.01/-19.37     | -17.8/-18.6       | -18.12/-17.45     | -18.53/-17.72     | -18.26/-18.4      | -18.64/-17.51     | -18.21/-17.57     | -17.63/-19.23     | -18.62/-18.58     | -19/-18.26        | -18.24/-18.47     | -17.35/-18.36     | -18.26/-18.86     | -18.38/-18.03     | -18.59/-19.05     | -18.6/-18.47      | -18.95/-18.1      |
| Freq(Hz)   | 6.995GPol.    | Phi/Ant. 4      | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain       | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ (0°)     | 7.61/7.29     | 7.17/6.83       | 6.14/5.14       | 4.11/2.72       | 1/-1.39         | -4.62/-10.38    | -15.09/-8.69    | -4.12/-1.02       | 1.3/2.98          | 4.33/5.43         | 6.15/6.62         | 7.17/29           | 7.33/7.29         | 7.12/6.34         | 5.73/5.22         | 3.94/2.22         | 0.11/-2.42        | -6.09/-12.55      | -12.08/-5.59      | -1.86/0.64        | 2.39/3.65         | 4.47/5.43         | 5.8/6.74          | 7.24/7.56         |
| Θ (7.5°)   | 7.11/6.94     | 6.74/-6.36      | 5.93/5.11       | 4.05/2.64       | 0.74/-1.56      | -5.02/-10.19    | -14.75/-9       | -4.2/-1.01        | 1.4/3.17          | 4.45/5.48         | 6.27/6.83         | 7.17/13           | 7.6/89            | 6.45/5.81         | 5.05/4.26         | 3.22/1.58         | -0.99/-3.12       | -6.76/-13.33      | -12.19/-6.02      | -2.12/0.31        | 2.16/3.69         | 4.65/5.32         | 5.84/6.29         | 6.78/7.06         |
| Θ (15°)    | 6.66/6.53     | 6.07/5.52       | 5.01/4.18       | 3.1/1.69        | -0.03/-2.32     | -5.39/-9.89     | -15.26/-12.11   | -5.73/-1.73       | 0.88/2.67         | 3.87/4.9          | 5.65/6.09         | 6.45/6.53         | 6.27/5.9          | 5.64/5.16         | 4.33/3.6          | 2.72/1.56         | -0.95/-3.82       | -6.54/-11.16      | -13.41/-7.88      | -3.99/-1.42       | 0.61/2.09         | 3.2/4.04          | 4.74/5.01         | 5.62/6.11         |
| Θ (22.5°)  | 4.58/4.42     | 4.11/3.66       | 3.06/2.27       | 1.16/-0.45      | -1.94/-3.93     | -7.07/-11.37    | -14.7/-15.23    | -9.77/-3.98       | -0.67/1.03        | 2.53/7.77         | 4.84/5.4          | 5.69/5.68         | 5.54/5.46         | 5.34/4.65         | 3.53/2.41         | 1.38/0.25         | -2.12/-5.68       | -8.69/-12.37      | -12.62/-8.05      | -4.8/-2.39        | -0.68/0.91        | 1.93/0.3          | 3.64/4.09         | 4.38/4.53         |
| Θ (30°)    | 2.81/2.78     | 2.09/1.1        | 0.01/-1.41      | -2.78/-3.46     | -4.18/-5.27     | -6.66/-10.97    | -18.69/-14.57   | -12.68/-7.07      | -2.76/-0.58       | 0.98/2            | 2.86/3.84         | 4.34/-5.5         | 4.74/5.3          | 4.15/3.76         | 2.92/1.5          | 0.12/-1.19        | -3/-4.86          | -8.57/-15.36      | -18.36/-11.63     | -7.02/-4.41       | -2.47/-1.05       | -0.24/0.73        | 1.44/1.77         | 1.71/1.61         |
| Θ (37.5°)  | -0.72/-1.64   | -2.08/-1.93     | -2.09/-3.13     | -5.15/-7.02     | -8.74/-11.26    | -8.73/-9.98     | -18.39/-17.02   | -15.08/-9.48      | -4.68/-2.15       | -0.10/8.7         | 2.27/2.61         | 2.99/3.64         | 3.42/3.14         | 2.96/2.71         | 1.83/0.34         | -1/-2.58          | -4.55/-6.54       | -8.45/-14.07      | -18.23/-13.64     | -8.52/-5.99       | -3.58/-2.96       | -3.64/-2.51       | -2.1/-2.4         | -2.31/-1.95       |
| Θ (45°)    | -5.4/-5.49    | -6.28/-7.9      | -10.24/-9.1     | -8.32/-9.42     | -10/-12.65      | -18.14/-16.16   | -18.27/-18.74   | -18.25/-10.74     | -6.86/-4.46       | -1.93/-1.05       | 0.28/0.86         | 1.49/1.96         | 1.98/1.46         | 1.16/0.63         | -0.1/-0.69        | -1.83/-3.12       | -4.63/-8.48       | -10.52/-17.21     | -18.96/-18.39     | -13.16/-8.74      | -6.9/-7.94        | -6.87/-6.61       | -5.64/-5.43       | -4.9/-5.04        |
| Θ (52.5°)  | -6.95/-9.23   | -9.53/-10.22    | -12.84/-16.37   | -14.08/-11.89   | -12.37/-13.2    | -17.69/-17.88   | -17.8/-18.15    | -17.25/-12.3      | -7.75/-6.02       | -3.65/-2.3        | -0.96/0.07        | -0.03/0.26        | 0.39/0.2          | -0.26/-0.94       | -1.25/-2.09       | -3.03/-4.67       | -6.28/-9          | -11.32/-18.73     | -17.06/-18.02     | -14.54/-10.97     | -11.61/-10.51     | -9.98/-9.24       | -6.65/-8.83       | -7.37/-8.24       |
| Θ (60°)    | -10.93/-11.54 | -12.49/-18.69   | -15.13/-14.51   | -15.95/-12.54   | -15.66/-13.95   | -18.01/-17.39   | -17.83/-18.07   | -18.52/-12.76     | -10.04/-8.12      | -5.68/-4.37       | -3.18/-2.4        | -2.42/-1.99       | -1.79/-2.36       | -2.03/-2.45       | -2.54/-2.92       | -4.87/-5.75       | -8.77/-9.2        | -9.99/-14.7       | -16.36/-19.23     | -19.22/-14.41     | -15.47/-11.84     | -16.79/-13.93     | -8.64/-9.48       | -9.14/-9.62       |
| Θ (67.5°)  | -11.02/-14.78 | -18.32/-18.34   | -18.56/-18.35   | -18.38/-18.49   | -18/-18.02      | -18.35/-17.31   | -18.73/-18.96   | -16.99/-11.6      | -10.44/-9.01      | -7.39/-5.61       | -4.67/-4.15       | -3.73/-4.25       | -4.36/-3.57       | -3.49/-4.08       | -5.08/-4.32       | -6.29/-7.92       | -8.72/-9.58       | -12.08/-13.61     | -17.37/-17.68     | -17.33/-18.84     | -14.84/-13.06     | -15.31/-15.14     | -11.65/-8.91      | -12.18/-12.98     |
| Θ (75°)    | -10.51/-14.92 | -16.3/-17.33    | -17.81/-17.96   | -17.5/-17.16    | -16.88/-17.68   | -18.73/-16.35   | -18.28/-19.05   | -18.39/-13.08     | -12.37/-11.04     | -9.25/-7.3        | -7.32/-7.02       | -6.57/-6.78       | -6.27/-6.03       | -5.23/-5.99       | -6.8/-6.48        | -7.88/-9.09       | -10.17/-12.63     | -12.06/-13.48     | -17.93/-17.79     | -18.08/-17.33     | -15.89/-13.53     | -12.46/-13.25     | -13.77/-11.32     | -10.7/-14.41      |
| Θ (82.5°)  | -11.75/-11.45 | -11.52/-17.94   | -18.37/-14.88   | -14.86/-14.89   | -15.14/-14      | -14.68/-18.02   | -18.4/-17.6     | -18.47/-14.88     | -13.69/-12.43     | -11.01/-8.57      | -9.07/-9.33       | -13.46/-8.3       | -12.83/-10.95     | -7.49/-8.12       | -8.28/-8.32       | -11.01/-8.5       | -11.9/-16.3       | -14.2/-16.3       | -18.1/-18.34      | -18/-18.52        | -18.98/-11.91     | -9.9/-9.64        | -11.73/-10.54     | -10.62/-16.19     |
| Θ (90°)    | -15.96/-12.18 | -10.87/-17.72   | -18.04/-14.27   | -14.42/-17.34   | -18.48/-14.72   | -17.79/-17.71   | -17.97/-18.38   | -18.82/-16.92     | -15.41/-13.59     | -12.17/-11.61     | -12.56/-12.87     | -13.04/-12.53     | -11.3/-10.16      | -9.71/-10.94      | -10.8/-9.15       | -10.67/-13.78     | -14.98/-18.2      | -17.41/-18.08     | -18.48/-18.56     | -18.44/-18.66     | -18.81/-14.75     | -11.31/-11.12     | -11.61/-11.71     | -12.19/-14.39     |
| Θ (97.5°)  | -18/-15.97    | -12.44/-16.56   | -16.91/-14.67   | -16.61/-17.98   | -17.92/-14.22   | -18.04/-17.79   | -18.81/-19.23   | -18.13/-18.01     | -17.99/-14.85     | -14.23/-16.11     | -17.21/-15.6      | -12.4/-13.5       | -13.63/-11.86     | -11.96/-12.45     | -12.05/-9.48      | -11.89/-15.08     | -17.39/-16.68     | -17.59/-17.89     | -17.82/-18.47     | -18.92/-17.86     | -19.23/-19.05     | -17.01/-17.36     | -13.12/-16.79     | -12.46/-11.59     |
| Θ (105°)   | -18.6/-18.56  | -17.86/-17.04   | -18.61/-16.97   | -18.03/-18.37   | -18.03/-16.54   | -18.97/-18.22   | -19/-17.27      | -18.7/-19.46      | -17.56/-18.27     | -17.5/-18.08      | -18.79/-16.78     | -14.32/-14.57     | -16.75/-16.33     | -13.46/-13.5      | -12.83/-10.95     | -13.47/-17.85     | -15.38/-15.86     | -18.41/-18.3      | -18.92/-17.85     | -18.72/-17.41     | -19.14/-18.12     | -18.18/-17.97     | -15.97/-18.72     | -16.44/-9.99      |
| Θ (112.5°) | -18.2/-19.09  | -18.11/-18.44   | -18.18/-18.58   | -18.55/-18.81   | -18.55/-18.82   | -18.97/-19.13   | -18.53/-17.82   | -18.1/-17.55      | -18.19/-17.96     | -18.56/-18.77     | -18.51/-15.85     | -18.31/-18.35     | -17.81/-15.08     | -17.81/-17.17     | -15.8/-14.34      | -17.23/-16.1      | -16.62/-18.89     | -17.37/-18.46     | -18.19/-18.37     | -18.26/-18.57     | -18.72/-17.89     | -18.6/-18.52      | -18.24/-18.55     | -18.73/-12.14     |
| Θ (120°)   | -19.28/-18.25 | -18.53/-17.62   | -17.99/-14.62   | -17.87/-18.2    | -18.01/-18.24   | -18.09/-18.8    | -18.43/-17.65   | -18.59/-17.16     | -17.73/-18.66     | -18.66/-17.73     | -17.6/-18.31      | -18.11/-17.57     | -17.59/-18.26     | -17.46/-15.8      | -18.11/-16.8      | -17.57/-17.78     | -17.62/-17.87     | -18.57/-18.2      | -18.46/-18.08     | -18.14/-17.37     | -19.61/-18.13     | -18.81/-17.72     | -17.84/-17.65     | -19.13/-17.93     |
| Θ (127.5°) | -18.85/-18.53 | -17.8/-19.08    | -17.89/-18.48   | -18.71/-19.01   | -18.06/-19.25   | -18.51/-18.67   | -18.36/-18.83   | -17.47/-17.84     | -18.56/-18.8      | -19.16/-17.83     | -18.86/-18.51     | -18.24/-18.37     | -18.29/-17.91     | -18.65/-19.3      | -18.49/-16.92     | -18.68/-17.19     | -18.62/-18.57     | -17.98/-18.37     | -18.66/-18.26     | -18.46/-18.33     | -19.04/-18.1      | -18.19/-18.76     | -17.76/-18.27     | -18.29/-18.87     |
| Θ (135°)   | -17.57/-17.54 | -18.36/-18.08   | -18.82/-18.03   | -18.61/-19.05   | -18.5/-18.63    | -18.12/-19.05   | -18.04/-18.34   | -19.31/-18.83     | -17.89/-19.27     | -18.54/-18.04     | -18.52/-18.43     | -18.35/-18.23     | -17.83/-18.33     | -17.79/-18.87     | -16.58/-19.07     | -17.6/-15.35      | -16.76/-18.68     | -18.41/-17.8      | -18.77/-18.55     | -18.08/-18.05     | -18.4/-17.79      | -19.23/-17.96     | -18.89/-17.89     | -18.38/-18.31     |
| Θ (142.5°) | -18.81/-17.71 | -18.85/-18.38   | -19.26/-17.43   | -18.76/-19.36   | -18.6/-17.86    | -18.24/-17.99   | -18.87/-18.73   | -18.21/-18.85     | -18.36/-18.15     | -18.05/-18.46     | -18.85/-17.9      | -17.96/-17.99     | -18.83/-19.15     | -17.57/-19.25     | -17.92/-17.7      | -17.86/-18.29     | -18.63/-19.21     | -19.01/-17.89     | -18.54/-19.33     | -18.29/-18.15     | -18.85/-18.77     | -17.49/-17.54     | -17.48/-17.89     | -17.45/-17.91     |
| Θ (150°)   | -17.86/-18.06 | -17.75/-18.16   | -18.17/-17.48   | -18.4/-17.58    | -18.9/-17.74    | -19.23/-17.78   | -17.4/-18.54    | -19.06/-19        | -18.16/-17.8      | -18.53/-17.94     | -18.44/-18.06     | -18.73/-17.34     | -18.08/-1         |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



| Freq(Hz)                      | 2.45G          | 5.2G         | 5.3G          | 5.6G         | 5.785G          | 5.885G          | 6.175G        | 6.475G        | 6.695G          | 6.995G       |
|-------------------------------|----------------|--------------|---------------|--------------|-----------------|-----------------|---------------|---------------|-----------------|--------------|
| Ant. 1 Max Gain (dBi)         | 4.18           | 4.62         | 4.53          | 5.24         | 4.35            | 4.43            | 5.87          | 5.74          | 5.31            | 7.78         |
| Ant. 2 Max Gain (dBi)         | 4.07           | 5.08         | 4.76          | 5.6          | 6.15            | 6.29            | 7.08          | 6.68          | 6.97            | 8.17         |
| Ant. 1 Polarization/Θ(°)/Φ(°) | Theta/15/307.5 | Phi/15/45    | Phi/15/37.5   | Theta/15/315 | Theta/7.5/322.5 | Theta/7.5/307.5 | Phi/0/45      | Phi/7.5/217.5 | Theta/7.5/157.5 | Phi/15/232.5 |
| Ant. 2 Polarization/Θ(°)/Φ(°) | Phi/15/247.5   | Phi/7.5/52.5 | Phi/7.5/217.5 | Phi/0/225    | Theta/7.5/322.5 | Theta/0/135     | Phi/7.5/232.5 | Phi/0/52.5    | Phi/7.5/232.5   | Phi/0/52.5   |
| Max Gain (dBi)                | 4.18           | 5.08         | 4.76          | 5.6          | 6.15            | 6.29            | 7.08          | 6.68          | 6.97            | 8.17         |
| DG [1SS] (dBi)                | 6.71           | 7.72         | 7.56          | 8.11         | 8.31            | 8.35            | 9.44          | 9.16          | 9.02            | 10.8         |
| DG [2SS] (dBi)                | 4.18           | 5.08         | 4.76          | 5.6          | 6.15            | 6.29            | 7.08          | 6.68          | 6.97            | 8.17         |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

## DG 1SS Result

| Freq(Hz)  | 2.45G/Pol.    | Phi-            | +               | +               | +               | +               | +               | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 |                   |                   |                   |               |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------|
| DG(dB)    | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |               |
| Θ(0°)     | 3.16/3.93     | 4.65/5.26       | 5.72/6.07       | 6.28/6.37       | 6.36/15         | 5.92/5.58       | 5.05/4.37       | 3.53/2.52         | 1.33/0.13         | -0.75/-0.98       | -0.67/0.06        | 1.03/2.06         | 2.99/3.83         | 4.63/5.31         | 5.81/6.13         | 6.31/6.32         | 6.23/5.98         | 5.58/5.04         | 4.39/3.62         | 2.67/1.6          | 0.48/-0.51        | -1.04/-0.96       | -0.37/0.48        | 1.41/2.34         |               |
| Θ(7.5°)   | 3.05/3.97     | 4.73/5.31       | 5.73/6.06       | 6.22/6.23       | 6.08/5.85       | 5.54/5.16       | 4.65/3.98       | 3.13/2.09         | 0.93/-0.11        | -0.63/-0.4        | 0.21/0.98         | 1.82/2.63         | 3.42/4.15         | 4.81/5.39         | 5.89/6.28         | 6.52/6.57         | 6.49/6.27         | 5.93/5.38         | 4.71/3.89         | 2.91/1.74         | 0.37/0.98         | -1.85/-1.93       | -1.31/-0.22       | 1.02/2.14         |               |
| Θ(15°)    | 3.09/3.94     | 4.68/5.21       | 5.63/5.93       | 6.07/6.02       | 5.79/5.44       | 5.04/4.61       | 4.09/3.45       | 2.61/1.66         | 0.59/-0.41        | -0.98/-0.65       | 0.23/1.21         | 2.07/2.81         | 3.54/4.22         | 4.83/5.28         | 5.71/6.08         | 6.37/6.51         | 6.49/6.34         | 6.02/5.51         | 4.76/3.83         | 2.68/1.3          | -0.28/-1.8        | -2.55/-2.42       | -1.54/-0.3        | 0.97/2.13         |               |
| Θ(22.5°)  | 2.98/3.72     | 4.36/4.84       | 5.24/5.51       | 5.63/5.62       | 5.43/5.04       | 4.59/4.11       | 3.55/2.85       | 1.98/0.99         | -0.13/-1.16       | -1.72/-1.18       | -0.01/1.22        | 2.21/3.01         | 3.73/4.52         | 5.21/5.7          | 6.01/6.2          | 6.33/6.36         | 6.28/6.01         | 5.62/5.01         | 4.19/3.1          | 1.75/0.19         | -1.39/-2.44       | -2.59/-2.11       | -1.23/-0.13       | 0.99/2            |               |
| Θ(30°)    | 2.69/3.35     | 44.48           | 4.81/4.97       | 5.02/5.05       | 4.92/4.58       | 4.03/3.35       | 2.62/1.88       | 1.09/0.22         | -0.84/-1.8        | -2.29/-1.73       | -0.51/0.71        | 1.67/2.36         | 2.93/3.64         | 4.64/5.69         | 6.42/6.7          | 6.71/6.66         | 6.53/6.25         | 5.74/5.01         | 3.98/2.59         | 0.77/-1.05        | -2.51/-2.99       | -2.68/-2.11       | -1.26/-0.25       | 0.81/1.72         |               |
| Θ(37.5°)  | 2.35/2.96     | 3.58/4.12       | 4.45/4.55       | 4.45/4.35       | 4.22/3.87       | 3.21/2.22       | 1.13/0.29       | -0.35/-1.1        | -2/-2.69          | -2.59/-1.45       | -0.12/0.98        | 1.75/2.18         | 2.46/3.03         | 4.05/5.23         | 6.17/6.58         | 6.55/6.41         | 6.32/6.15         | 5.76/5.06         | 4.08/2.71         | 0.92/-1.12        | -3.07/-3.96       | -3.87/-3.29       | -2.19/-0.74       | 0.61/1.53         |               |
| Θ(45°)    | 1.92/54       | 3.12/3.63       | 4.03/4.22       | 4.1/3.86        | 3.61/3.21       | 2.43/1.1        | -0.5/-1.6       | -2.14/-2.67       | -3.35/-3.79       | -3.38/-2.17       | -1.02/-0.03       | 0.81/46           | 2.01/2.52         | 3.16/3.98         | 4.93/5.63         | 5.76/5.5          | 5.21/4.99         | 4.59/3.87         | 2.88/1.71         | 0.36/-1.24        | -3.07/-4.66       | -5.35/-5.17       | -3.55/-1.5        | 0.07/1.13         |               |
| Θ(52.5°)  | 1.11/94       | 2.65/3.2        | 3.71/3.98       | 3.87/3.56       | 3.21/2.55       | 1.27/-0.9       | -3.05/-4.03     | -4.08/4.53        | -5.51/-5.94       | -5.12/-3.93       | -2.89/-1.68       | -0.49/0.34        | 0.84/1.45         | 2.07/2.76         | 3.69/4.58         | 5.15/5.09         | 4.73/4.23         | 3.38/1.93         | 0.22/-1.29        | -2.46/-3.69       | -4.98/-6.13       | -6.82/-5.65       | -3.63/-1.87       | -0.54/0.49        |               |
| Θ(60°)    | 0.64/1.48     | 2.23/2.79       | 3.23/3.4        | 3.19/2.82       | 2.31/1.58       | 1.67/-2.99      | -4.29/-5.36     | -4.77/-5.11       | -6.42/-6.05       | -4.94/-4.6        | -4.73/-4.04       | -0.61/-1.12       | -0.61/-0.62       | -0.68/-0.6        | 0.21/67           | 2.97/3.57         | 3.71/3.63         | 2.98/1.25         | -1.36/-3.7        | -5.23/-7.15       | -8.71/-9.88       | -8.6/-5.2         | -2.6/-1.35        | -0.65/0.13        |               |
| Θ(67.5°)  | 0.12/1        | 1.68/2.08       | 2.34/2.39       | 2.19/1.9        | 1.53/0.47       | -1.17/-1.97     | -2.73/-4.77     | -4.77/-5.23       | -5.6/-6.07        | -5.57/-6.18       | -7.18/-6.14       | -3.82/-2.19       | -1.74/-1.73       | -1.25/-0.61       | 0.18/1.19         | 1.94/1.9          | 1.49/1.36         | 0.88/-0.88        | -3.88/-6.13       | -6.59/-7.1        | -7.97/-9.52       | -9.82/-6.18       | -3.2/-1.83        | -1.36/-0.79       |               |
| Θ(75°)    | -1.77/-0.52   | 0.39/0.91       | 1.32/1.58       | 1.52/1.29       | 1.05/0.27       | -1.14/-2.43     | -3.87/-4.74     | -6.39/-5.77       | -7.41/-9.58       | -7.13/-6.05       | -8.47/-6.99       | -6.91/-4.39       | -3.71/-4.1        | -3.54/-2.26       | -1.41/-0.61       | 0.57/0.78         | -0.11/0.79        | -1.25/-3.01       | -7.14/-11.52      | -11.2/-9.17       | -7.81/-8.22       | -8.62/-7.7        | -4.97/-3.41       | -3.22/-2.99       |               |
| Θ(82.5°)  | -3.4/-1.76    | -0.65/0.07      | 0.51/0.68       | 0.46/0.38       | 0.53/-0.13      | -1.94/-2.48     | -5.09/-8.67     | -8.41/-8.63       | -11.1/-7.68       | -5.37/-6.93       | -12.43/-12.08     | -7.78/-5.66       | -5.25/-5.4        | -4.2/-2.19        | -1.46/-1.44       | -0.98/-1.03       | -2.39/-3.85       | -4.51/-6.02       | -8.99/-13.39      | -15.08/-13.18     | -10.57/-9.2       | -9.17/-7.31       | -5.17/-3.87       | -3.92/-4.15       |               |
| Θ(90°)    | -4.92/-3.04   | -1.74/-1.04     | -0.54/-0.23     | -0.01/0.48      | 0.69/-0.47      | -3.3/-5.17      | -5.2/-7.23      | -9.04/-9.4        | -10.68/-8.43      | -6.47/-7.54       | -13.92/-10.14     | -9.71/-9.49       | -9.34/-10.13      | -9.34/-5.06       | -2.61/-2          | -1.39/-1.2        | -2.76/-5.88       | -8.75/-10.71      | -13.6/-15.73      | -14.23/-10.45     | -9.05/-9.65       | -9.71/-8.55       | -6.82/-5.82       | -6.05/-6.46       |               |
| Θ(97.5°)  | -6.88/4.79    | -3.26/-2.07     | -1.15/-0.71     | -0.67/-0.65     | -1.01/-2.93     | -6.4/-4.99      | -3.85/-6.02     | -10.74/-11.84     | -13.31/-8.97      | -6.4/-9.06        | -13.12/-9.44      | -10.61/-9.86      | -10.89/-11.96     | -11.43/-6.97      | -5.02/-5.36       | -5.4/-5.63        | -8.03/-10.25      | -11.5/-12.72      | -14.04/-15.78     | -11.22/-8.44      | -7.12/-7.79       | -8.87/-8.03       | -7.6/-86          | -7.83/-8.08       |               |
| Θ(105°)   | -8.4/-6.2     | -4.38/-2.9      | -1.9/-1.75      | -2.02/-2.04     | -2.36/-4.1      | -5.69/-7.83     | -8.33/-7.53     | -8.22/-11.45      | -13.97/-14.72     | -10.8/-9.7        | -13.02/-15.77     | -10.63/-14.1      | -12.28/-12.28     | -14.21/-14.26     | -14.65/-15.54     | -15.32/-15.31     | -14.01/-9.05      | -6.7/-6.83        | -7.84/-8.9        | -10.15/-8.37      | -13.46/-11.61     | -9.86/-7.59       | -9.86/-10.26      | -9.18/-9.17       | -10.28/-10.66 |
| Θ(112.5°) | -8.94/9.2     | -5.35/-3.93     | -3.09/-2.96     | -2.91/-2.84     | -2.93/-4.06     | -4.16/-3.48     | -4.91/-12.4     | -14.75/-11.7      | -12.55/-9.23      | -7.96/-14.14      | -13.22/-9.54      | -11.18/-14.16     | -13.37/-13.66     | -15.46/-12.14     | -10.61/-12.29     | -13.89/-13.13     | -9.91/-6.9        | -6.16/-8.31       | -10.86/-10.77     | -10.25/-9.09      | -6.76/-6.65       | -8.59/-10.53      | -11.1/-10.61      | -10.87/-10.36     |               |
| Θ(120°)   | -10.1/-8.55   | -6.84/-5.33     | -4.09/-3.31     | -2.73/-2.42     | -2.85/-4.29     | -5.95/-7.58     | -10.66/-13.09   | -10.88/-10.47     | -11.37/-10.67     | -11.89/-15.24     | -12.06/-6.68      | -6.44/-10.07      | -13.57/-13.28     | -15.58/-14.62     | -13.38/-13.9      | -15.04/-13.9      | -10.14/-6.06      | -4.34/-4.63       | -6.07/-8.23       | -10.98/-12.36     | -10.76/-9.61      | -10.71/-12.58     | -12.97/-12.19     | -11.82/-10.54     |               |
| Θ(127.5°) | -7.44/-6.8    | -2.22/-5.67     | -5.44/-5.48     | -5.19/-5.13     | -5.99/-7.83     | -8.33/-7.53     | -8.22/-11.45    | -13.97/-14.72     | -10.8/-9.7        | -13.02/-15.77     | -10.63/-14.1      | -12.28/-12.28     | -14.21/-14.26     | -14.65/-15.54     | -15.32/-15.31     | -14.01/-9.05      | -6.7/-6.83        | -7.84/-8.9        | -10.52/-11.31     | -9.97/-9          | -9.35/-10.68      | -12.13/-12.39     | -10.56/-8.58      |                   |               |
| Θ(135°)   | -9.52/-8.45   | -8.05/-8.05     | -7.98/-7.24     | -6.09/-5.71     | -6.48/-7.61     | -7.87/-8.6      | -11.69/-13.46   | -9.23/-5.3        | -4.15/-5.31       | -8.73/-12.83      | -9.99/-8.35       | -8.65/-13.28      | -15.34/-15.09     | -15.91/-14.02     | -12.79/-12.92     | -13.61/-13.48     | -10.97/-8.14      | -6.02/-5.79       | -7.9/43           | -13.14/-14.97     | -13.17/-11.57     | -10.56/-10.44     | -11.33/-12.83     | -12.42/-12.28     |               |
| Θ(142.5°) | -11.25/-10.12 | -9.1/-8.6       | -8.45/-8.24     | -8.49/-9.28     | -11.46/-12.72   | -14.12/-13.66   | -11.29/-7       | -4.23/-3.13       | -3.82/-6.36       | -10.69/-10.4      | -8.38/-7.63       | -9.17/-13.1       | -15.63/-15.11     | -15.25/-13.9      | -12.14/-11.28     | -11.27/-11.11     | -9.27/-10.9       | -5.56/-4.94       | -5.19/-6.35       | -8.31/-11.48      | -15.36/-15.1      | -15.74/-14.71     | -13.96/-13.89     | -12.77/-11.48     |               |
| Θ(150°)   | -8.18/-7.88   | -0.86/-6.64     | -9.64/-11.08    | -12.29/-12.66   | -13.16/-12.56   | -11.75/-10.49   | -9.76/-7.29     | -6.36/-6.61       | -8.41/-12.11      | -13.01/-11.51     | -8.07/-7.79       | -8/9.33           | -11.92/-15.41     | -14.62/-15.64     | -14.89/-15.27     | -13.76/-12.47     | -10.25/-8.4       | -7.73/-9.09       | -5.98/-6.53       | -13.73/-9.09      | -14.91/-14.26     | -14.99/-14.28     | -14.66/-10.9      |                   |               |
| Θ(157.5°) | -14.37/-14.28 | -14.8/-15.36    | -15.81/-14.09   | -12.96/-12.82   | -13.05/-11.96   | -10.56/-9.52    | -9.26/-9.33     | -10.21/-11.82     | -14.62/-15.2      | -15.08/-13.59     | -12.35/-12.76     | -14.65/-15.54     | -15.58/-14.61     | -13.61/-12.84     | -12.42/-12.65     | -12.29/-11.71     | -10.83/-9.98      | -9.23/-8.72       | -8.71/-9.3        | -10.32/-11.4      | -12.61/-14.08     | -14.89/-15.31     | -14.92/-15.33     | -15.05/-15.86     |               |
| Θ(165°)   | -12.19/-11.97 | -10.89/-10      | -9.2/-8.44      | -7.9/-7.62      | -7.48/-7.44     | -7.37/-7.31     | -7.4/-7.82      | -8.69/-10.09      | -12.56/-12.41     | -14.71/-15.69     | -15.04/-15.05     | -15.37/-15.12     | -15.37/-13.52     | -14.4/-13.12      | -12.19/-11.64     | -11.75/-11.56     | -11.2/-12.36      | -13.4/-13.12      | -13.54/-14.42     | -14.51/-16.29     | -15.29/-14.86     | -15.04/-15.26     | -14.04/-12.11     | -11.91/-11.16     |               |
| Θ(172.5°) | -10.28/-9.27  | -8.43/-7.56     | -6.77/-6.03     | -5.78/-6.26     | -6.72/-7.11     | -7.55/-8.1      | -8.99/-10.31    | -12.44/-14.7      | -15.61/-15.01     | -14.53/-15.4      | -15.38/-14.89     | -15.43/-15.03     | -14.82/-13.99     | -14.21/-14.45     | -15.41/-15.9      | -15.07/-14.92     | -15.02/-15.62     | -15.63/-15.79     | -15.48/-14.66     | -15.44/-15.35     | -15.04/-14.78     | -11.53/-11.2      | -10.39/-8.85      |                   |               |
| Θ(180°)   | -13.03/-12.48 | -11.72/-10.69   | -9.36/-8.22     | -7.63/-7.71     | -8.42/-9.54     | -10.61/-11.13   | -11.34/-11.58   | -12.07/-13.12     | -14.83/-15.3      | -15.28/-15.1      | -15.09/-15.58     | -15.17/-15.12     | -15.3/-14.22      | -13.12/-12.54     | -12.48/-13.01     | -13.98/-14.36     | -13.62/-12.66     | -12.16/-12.04     | -11.85/-11.84     | -12.05/-12.42     | -13.04/-13.15     | -12.48/-12.07     | -11.82/-11.83     | -12.17/-11.79     |               |
| Freq(Hz)  | 2.45G/Pol.    | Theta-          | +               | +               | +               | +               | +               | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 |               |
| DG(dB)    | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |               |
| Θ(0°)     | 2.51/69       | 0.71/-0.36      | -1.53/-2.62     | -3.24/-3.17     | -2.62/-1.87     | -0.97/-0.08     | 0.86/1.76       | 2.59/3.24         | 3.78/4.19         | 4.45/4.56         | 4.54/4.33         | 3.98/3.45         | 2.74/1.89         | 0.81/1.47         | -2.03/-3.37       | -3.95/-3.69       | -2.85/-1.71       | -0.43/0.79        | 1.83/2.7          | 3.42/3.93         | 4.34/5            | 4.54/4.47         | 4.27/3.98         | 3.59/3.09         |               |
| Θ(7.5°)   | 2.57/1.78     | 0.83/-0.33      | -1.61/-8.2      | -3.51/-4.38     | -2.68/-1.67     | -0.64/0.26      | 1.11/1.84       | 2.53/3.13         | 3.62/3.97         | 4.17/4.26         | 4.19/3.99         | 3.61/3.08         | 2.38/1.5          | 0.49/-0.69        | -2.07/-3.27       | -3.74/-3.42       | -2.67/-1.7        | -0.52/0.71        | 1.92/88           | 3.73/4.31         | 4.75/4.97         | 5.03/4.93         | 4.69/4.29         | 3.8/3.24          |               |
| Θ(15°)    | 2.21/1.4      | 0.42/-0.72      | -2.08/-3.45     | -4.37/-4.46     | -3.63/-2.32     | -0.98/0.18      | 1.13/1.89       | 2.55/3.08         | 3.51/3.79         | 3.93/3.98         | 3.94/3.79         | 3.53/3.11         | 2.46/1.6          | 0.53/-0.69        | -2.13/-3.25       | -3.56/-3.17       | -2.47/-1.59       | -0.46/0.82        | 2.11/3.2          | 4.08/4.71         | 5.11/5.3          | 5.28/5.1          | 4.78/4.31         | 3.69/3.98         |               |
| Θ(22.5°)  | 1.66/0.73     | -0.37/-1.73     | -3.27/-4.85     | -6.03/-6.28     | -5.23/-3.44     | -1.72/-0.31     | 0.81/1.65       | 2.32/2.83         | 3.19/3.4          | 3.51/3.5          | 3.44/3.28         | 2.99/2.5          | 1.85/0.96         | -0.21/-1.78       | -3.52/-4.46       | -4.16/-3.25       | -2.21/-0.9        | 0.12/1.35         | 2.52/3.51         | 4.34/8.7          | 5.21/5.29         | 5.19/4.91         | 4.49/3.88         | 3.18/2.43         |               |
| Θ(30°)    | 0.85/-0.12    | -1.36/-2.96     | -4.98/-7.1      | -8.88/-9.84     | -8.11/-5.13     | -2.63/-0.89     | 0.31/1.17       | 1.92/41           | 2.71/2.85         | 2.82/2.69         | 2.52/2.31         | 2.05/1.66         | 1.12/0.4          | -0.63/-0.27       | -4.15/-6.02       | -5.65/-4.21       | -2.64/-1.14       | 0.31/5.2          | 2.58/3.37         | 4.02/4.46         | 4.73/4.84         | 4.78/4.57         | 4.12/3.44         | 2.57/1.62         |               |
| Θ(37.5°)  | 0.03/-1.06    | -2.35/-4.16     | -6.88/-10.71    | -11.42/-11.11   | -9.25/-5.65     | -2.79/-1.02     | -0.01/0.59      | 1.05/1.37         | 1.48/1.39         | 1.17/0.82         | 0.59/0.47         | 0.29/-0.03        | -0.40/-1.08       | -1.92/-3.26       | -3.14/-5.22       | -2.82/-1.23       | 0.18/1.43         | 2.38/3.0          |                   |                   |                   |                   |                   |                   |               |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |  |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--|
| Θ(15°)    | 4.79541       | 5.99644         | 6.84756         | 7/6/92          | 6.64/6.15       | 5.41/4.34       | 3.18/1.86       | 0.35/-1.44        | -3.67/-6.26       | -8.11/-7.48       | -4.78/-2.24       | -0.23/-1.6        | 3.11/4.22         | 5.05/5.56         | 5.99624           | 6.58/6.67         | 6.28/5.83         | 5.02/4.06         | 3.03/1.69         | -0.01/-2.42       | -6.11/-11.43      | -10.53/-5.49      | -1.9/0.75         | 2.66/4.05         |  |
| Θ(22.5°)  | 4.75/21       | 5.54/5.78       | 6.01/6.11       | 5.94/5.9        | 5.85/5.52       | 4.85/3.55       | 2.21/1          | -0.37/-2.23       | -4.95/-7.26       | -7.57/-5.33       | -3.24/-1.45       | 0.28/1.92         | 3.18/4.31         | 5.21/5.93         | 6.26/6.34         | 6.34/5.97         | 5.71/5.33         | 4.44/3.22         | 2.07/0.79         | -1.06/-3.56       | -7.67/-13.65      | -10.44/-5.15      | -1.31/-2.15       | 2.89/4.21         |  |
| Θ(30°)    | 4.01/4.84     | 5.44/5.96       | 6.23/6.31       | 5.97/5.58       | 5.34/5.01       | 4.57/3.34       | 1.7/0.32        | -2.27/-3.51       | -5.88/-8.03       | -8.4/-6.32        | -3.85/-1.54       | -0.21/0.81        | 1.67/2.64         | 3.75/4.42         | 4.84/4.83         | 5.06/5.29         | 5.31/5.41         | 5.01/3.65         | 2.06/0.64         | -1.11/-3.78       | -8.2/-15.12       | -8.2/-4.2         | -1.29/1.06        | 2.81/4.45         |  |
| Θ(37.5°)  | 3.55/4.71     | 5.21/5.38       | 5.78/6.06       | 5.75/5.1        | 4.84/4.66       | 4.58/3.53       | 1.87/0.07       | -2.42/4.95        | -9.77/-12.08      | -10.4/7.3         | -4.96/-2.63       | -1.05/0.61        | 2.26/3.46         | 4.02/4.15         | 4.32/4.73         | 5.27/5.48         | 5.19/5.03         | 4.31/2.98         | 1.86/0.58         | -1.49/-4.43       | -8.79/-13.49      | -8.99/-5.44       | -2.33/-0.42       | 0.77/2.32         |  |
| Θ(45°)    | 3.44/4.32     | 4.84/4.19       | 5.37/5.43       | 5.24/3.98       | 4.81/4.25       | 3.68/2.54       | 1.34/0.18       | -1.83/-4.87       | -9.24/-11.67      | -11.99/-8.03      | -5.54/-3.98       | -2.72/-0.96       | 0.89/1.81         | 2.25/2.95         | 3.83/4.37         | 4.77/5.03         | 4.54/2.88         | 3.27/1.95         | 0.84/-0.15        | -2.91/-6.06       | -8.79/-13.95      | -11.31/-6.79      | -3.08/-1.2        | 0.51/2.72         |  |
| Θ(52.5°)  | 3.03/4.25     | 4.58/5.41       | 4.26/4.24       | 4.31/4.36       | 3.77/2.96       | 3.28/2.04       | 0.52/-1.44      | -3.72/-4.65       | -9.85/-12.88      | -13.38/-8.18      | -6.54/-5.93       | -4.25/-1.13       | -0.69/-0.15       | 1.38/2.46         | 3.34/3.86         | 4.19/4.12         | 3.25/3.07         | 2.75/2.75         | -0.16/-1.45       | -4.28/-7.64       | -9.97/-15.68      | -10.71/-6.8       | -3.19/-1.6        | 0.38/1.66         |  |
| Θ(60°)    | 2.12/3.27     | 3.83/3.85       | 3.45/3.6        | 3.49/2.99       | 2.71/2.32       | 1.72/0.62       | -0.73/-1.75     | -3.43/-8.29       | -10.89/-13.31     | -15.05/-14.06     | -10.16/-7.66      | -6.46/-5.42       | -3.81/-2.6        | -0.55/0.07        | 1.38/2.17         | 2.81/2.62         | 2.13/1.48         | 1.89/0.71         | -0.36/-2.58       | -4.96/-8.23       | -11.74/-15.8      | -13/7.58          | -4.76/-1.88       | 0.06/1.03         |  |
| Θ(67.5°)  | 0.83/1.83     | 3.14/3.42       | 2.89/2.74       | 2.72/41         | 1.98/1.05       | 0.42/0.08       | -1.87/-2.83     | -4.24/-6.53       | -9.96/-15.02      | -15.5/-15.6       | -10.84/-5.01      | -5.1/-4           | -2.86/-0.97       | -0.02/-1.13       | 2.29/2.48         | 2.51/2.33         | 1.89/1.72         | 1.52/0.04         | -0.37/-3.5        | -7.4/-10.65       | -13.74/-14.65     | -13.19/-9.3       | -6.38/-2.28       | -0.58/-0.09       |  |
| Θ(75°)    | -0.53/-92     | 2.24/2.38       | 2.48/2.21       | 2.08/1.54       | 1.48/0.27       | -1.05/-1.1      | -2.52/-3.45     | -6.43/-6.11       | -9.05/-11.31      | -14.52/-15.49     | -12.39/-6.57      | -4.28/-3.32       | -3.36/-1.46       | -0.09/0.55        | 1.71/2.82         | 2.83/2.27         | 2.47/2.07         | 1.95/-0.85        | -0.93/-5.46       | -10.38/-11.08     | -13.94/-13.92     | -13.01/-11.42     | -7.67/-3.49       | -2.09/-1.22       |  |
| Θ(82.5°)  | -1.74/-0.52   | 0.77/1.22       | 1.48/1.08       | 1.05/0.66       | 0.34/-0.71      | -2.08/-2.04     | -3.67/-4.7      | -7.44/-7.6        | -11.33/-12.86     | -14.28/-12.56     | -14.88/-6.88      | -4.59/-3.63       | -6.07/-1.61       | -0.66/-0.12       | 1.1/2.39          | 2.63/3.28         | 2.26/1.35         | 0.46/-2.44        | -3.18/-7.81       | -11.33/-12.78     | -13.43/-15.74     | -13.76/-14.05     | -9.07/-4.54       | -3.19/-2.14       |  |
| Θ(90°)    | -2.42/-1.81   | -0.91/-0.35     | 0.81/0.9        | 0.21/-0.25      | -0.31/-1.54     | -2.84/-2.85     | -5.06/-5.83     | -10.64/-9.21      | -11.47/-12.44     | -15.75/-14.74     | -14.12/-14.23     | -6.79/-4.06       | -7.42/-5.82       | -4.16/-2.69       | -1.23/0.76        | 1.33/2.49         | 1.07/0.51         | -1.32/-5.25       | -7.14/-10.26      | -13.1/-13.75      | -12.82/-15.09     | -14.59/-15.82     | -9.96/-5.66       | -4.21/-3.31       |  |
| Θ(97.5°)  | 4.21/-3.14    | -2.45/-2.42     | -0.75/-0.53     | -0.71/-1.33     | -1.6/-2.14      | -3.48/-5.04     | -4.19/-6.01     | -9.04/-13.48      | -13.71/-14.6      | -14.66/-13.98     | -13.67/-13.71     | -9.19/-7.37       | -9.73/-5.58       | -6.43/-4.8        | -3.72/-2          | -1.15/-0.11       | -2.47/-4.29       | -5.59/-10.19      | -11.67/-11.29     | -14.61/-14.12     | -14.22/-16.06     | -14.19/-14.45     | -10.54/-7.29      | -5.44/-4.4        |  |
| Θ(105°)   | -5.7/4.18     | -3.25/-3.38     | -2/-1.98        | -1.81/-1.59     | -2.48/-2.93     | -3.55/-5.68     | -4.99/-5.64     | -7.61/-13.86      | -13.02/-15.51     | -15.32/-15.13     | -14.01/-12.72     | -15.59/-11.64     | -15.19/-8.27      | -8.98/-8.19       | -7.16/-7.53       | -5.18/-5.05       | -10.19/-10.79     | -10.32/-13.98     | -14.75/-14.2      | -14.66/-15        | -14.21/-15.81     | -15.24/-14.89     | -12.61/-9.09      | -7.32/-5.79       |  |
| Θ(112.5°) | -6.65/-5.63   | -4.86/-6.76     | -3.54/-3.15     | -2.91/-3.04     | -4.36/-4.3      | -5.03/-5.8      | -5.68/-7.08     | -6.88/-10.93      | -12.1/-14.75      | -15.06/-15.27     | -13.92/-15.36     | -14.85/-13.42     | -11.17/-8.36      | -9.62/-11.1       | -8.88/-9.84       | -7.59/-10.73      | -14.54/-13.91     | -11.63/-15.79     | -14.24/-14.74     | -14.31/-14.94     | -15.71/-15.84     | -15.94/-14.67     | -14.08/-10.26     | -9.83/-7.61       |  |
| Θ(120°)   | -9.12/-6.24   | -8/-6.88        | -4.72/-4.2      | -4.39/-5.29     | -6.44/-4.39     | -5.86/-7.67     | -6.64/-7.64     | -8.18/-9.81       | -11.38/-12.74     | -14.62/-14.9      | -15.54/-15.1      | -14.96/-15.32     | -11.23/-9.36      | -10.98/-7.91      | -6.7/8.74         | -14.13/-12.27     | -10.08/-12.44     | -13.16/-15.78     | -15.84/-14.99     | -15.14/-15.04     | -14.81/-13.17     | -10.77/-9.71      |                   |                   |  |
| Θ(127.5°) | -10.19/-8.13  | -7.37/-6.06     | -6.31/-6.64     | -6.2/-6.15      | -6.89/-6.65     | -8.51/-9.48     | -9.63/-10.26    | -10.19/-11.91     | -13.05/-12.48     | -13.39/-15.34     | -15.8/-15.52      | -12.81/-13.11     | -10.42/-12.9      | -15.93/-15.16     | -13.29/-11.01     | -12.44/-13.54     | -15.68/-14.55     | -14.34/-13.26     | -13.8/-15.28      | -15.67/-15.72     | -15.12/-15.45     | -15.55/-15.42     | -15.22/-13.4      | -11.92/-9.93      |  |
| Θ(135°)   | -12.83/-14.5  | -8.79/-8.1      | -7.94/-7.85     | -7.84/-8.11     | -7.62/-8.85     | -10.6/-9.94     | -10.63/-11.44   | -11.72/-11.88     | -14.02/-15.95     | -13.58/-14.71     | -15.71/-15.45     | -15.48/-13.37     | -13.92/-15.02     | -15.52/-14.27     | -13.24/-13.96     | -14.64/-14.81     | -15.56/-15.49     | -15.92/-15.15     | -15.73/-15.33     | -15.34/-15.33     | -15.69/-15.72     | -15.18/-15.84     |                   |                   |  |
| Θ(142.5°) | -12.71/-11.62 | -9.01/-7.51     | -7.75/-8.68     | -10.61/-11.25   | -11.49/-10.73   | -9.23/-10.92    | -11.42/-11.99   | -12.17/-12.82     | -13.08/-13.97     | -15.89/-15.21     | -15.47/-15.17     | -15.83/-15.14     | -15.13/-15.68     | -15.45/-14.49     | -15.75/-15.82     | -15.04/-15.66     | -16.08/-15.61     | -15.71/-14.98     | -15.16/-15.42     | -15.02/-15.23     | -15.44/-14.92     | -15.13/-15.74     |                   |                   |  |
| Θ(150°)   | -15.83/-14.08 | -10.25/-8.66    | -8.5/-8.35      | -8.21/-8.68     | -9.92/-12.15    | -12.58/-12.5    | -13.44/-13.39   | -15.27/-13.63     | -15.04/-14.73     | -14.95/-15.9      | -15.1/-15.78      | -15.6/-15.08      | -15.31/-15.16     | -15/-14.9         | -14.99/-16.15     | -14.94/-14.44     | -13/-13.07        | -14.72/-14.17     | -15.04/-14.85     | -14.73/-14.7      | -15.3/-15.46      | -15.38/-15.68     | -15.1/-15.51      | -15.18/-14.59     |  |
| Θ(157.5°) | -15.51/-15.69 | -13.92/-12      | -10.79/-10.27   | -11.19/-12.14   | -12.68/-11.48   | -11.37/-13.42   | -13/-11.77      | -13.4/-14.57      | -15.16/-15.48     | -15/-15.29        | -15.18/-15.2      | -14.99/-14.9      | -15.69/-15.94     | -15.38/-15.54     | -15.27/-15.13     | -15.71/-14.73     | -15.12/-14.09     | -12.45/-11.51     | -12.1/-14.62      | -14.52/-13.51     | -15.64/-15.14     | -14.98/-15.9      | -15.56/-15.56     | -15.36/-15.02     |  |
| Θ(165°)   | -15.5/-15.42  | -13.58/-12.89   | -12.89/-11.93   | -11.98/-11.57   | -10.3/-8.88     | -8.9/-10.82     | -13.12/-13.68   | -13/-13.4         | -14.96/-15.22     | -15.31/-15.54     | -14.52/-15.73     | -15.59/-15.47     | -14.76/-15.22     | -15.8/-15.52      | -15.73/-14.86     | -13.36/-12.47     | -13.39/-14.55     | -15.1/-15.99      | -15.51/-14.96     | -15.37/-15.86     | -15.64/-14.78     | -15.38/-15.11     | -15.18/-14.92     |                   |  |
| Θ(172.5°) | -15.41/-15.41 | -14.96/-14.53   | -13.89/-11.59   | -10.23/-10.1    | -11.25/-12.07   | -13.45/-13.01   | -13.71/-13.77   | -14.17/-15.19     | -15.65/-15.79     | -15.65/-15.19     | -15.58/-15.18     | -14.78/-15.64     | -14.71/-15.49     | -15.45/-15.29     | -15.88/-14.96     | -14.52/-14.11     | -14.26/-13.39     | -13.28/-13.45     | -14.19/-15.37     | -15.28/-15.01     | -13.95/-14.15     | -15.45/-15.37     | -14.84/-15.33     |                   |  |
| Θ(180°)   | -15.23/-14.69 | -14.04/-13.05   | -13.45/-14.61   | -15.37/-14.44   | -14.5/-14.42    | -14.51/-16.16   | -14.73/-15.34   | -15.7/-14.9       | -15.72/-15.57     | -16.01/-14.92     | -15.41/-15.65     | -15.42/-15        | -14.88/-15.62     | -15.85/-14.71     | -13.7/-13.09      | -12.67/-12.31     | -12.2/-10.95      | -10.79/-11.39     | -11.91/-12.48     | -12.15/-12.3      | -13.24/-13.86     | -14.28/-15.44     | -15.06/-15.04     | -14.98/-15.37     |  |
| Freq(Hz)  | 5.3GPol.      | Theta           | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |  |
| DG(dB)    | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |  |
| Θ(0°)     | 4.29/3.32     | 1.61/-0.14      | -2.11/-5.18     | -9.91/-14.24    | -10.54/-5.63    | -2.58/0.06      | 1.46/2.7        | 3.81/4.78         | 5.37/5.62         | 5.87/5.94         | 5.82/5.57         | 5.44/5.02         | 4.09/2.87         | 1.58/0.08         | -2.78/-6.13       | -10.97/-13.07     | -8.74/-4.45       | -1.60/57          | 2.04/3.2          | 4.26/4.92         | 5.5/5.85          | 5.82/5.93         | 5.96/5.69         | 5.25/4.81         |  |
| Θ(7.5°)   | 4.38/3.51     | 2.04/-0.1       | -2.09/-4.61     | -9.18/-13.18    | -9.24/-4.61     | -1.84/0.24      | 1.91/3.1        | 4.06/4.8          | 5.26/5.54         | 5.77/6.07         | 6.06/5.92         | 5.75/5.22         | 4.26/3            | 1.56/-0.17        | -2.35/-6.22       | -10.3/-11.36      | -0.88/0.99        | 2.42/3.54         | 4.48/5.03         | 5.64/6.07         | 6.1/6             | 6.02/5.03         | 5.75/5.13         |                   |  |
| Θ(15°)    | 3.92/3.04     | 1.76/-0.03      | -2.32/-5.05     | -8.58/-11.16    | -8.02/-4.1      | -1.53/0.32      | 1.92/3.04       | 3.41/4.09         | 4.74/5.02         | 5.17/5.16         | 5.43/5.45         | 5.12/4.83         | 4.16/2.77         | 1.01/-0.52        | -2.58/-5.81       | -9.66/-10.59      | -6.41/-2.64       | -0.28/1.18        | 2.33/3.37         | 3.43/4.07         | 5.78/6.27         | 6.38/6.24         | 6.08/5.83         | 5.27/4.64         |  |
| Θ(22.5°)  | 3.47/2.4      | 1.08/-0.14      | -3.64/-6.93     | -10.85/-11.61   | -7.57/-4.07     | -1.59/0.23      | 1.78/2.53       | 2.97/3.41         | 3.88/4.17         | 4.24/4.43         | 4.63/4.43         | 4.19/3.87         | 3.07/1.71         | 0.18/-0.89        | -2.34/-5.32       | -8.72/-9.1        | -5.7/-2.96        | -0.42/1.34        | 2.31/3.16         | 3.91/4.48         | 5.22/5.73         | 5.8/5.73          | 5.56/5.17         | 4.69/4.18         |  |
| Θ(30°)    | 2.72/2.07     | 0.82/-1.14      | -4.08/-3.75     | -11.07/-12.11   | -8.09/-4.82     | -2.62/-0.4      | 1.14/2.02       | 2.25/2.05         | 2.32/2.9          | 2.89/2.72         | 2.66/2.63         | 3.05/3.11         | 2.20/2.79         | -0.76/-2.38       | -3.85/-6          | -9.08/-10.06      | -6.6/-3.88        | -1.33/0.77        | 1.87/2.57         | 3.41/3.94         | 4.74/5.38         | 5.36/5.17         | 5.14/28           | 3.86/3.45         |  |
| Θ(37.5°)  | 1.72/0.7      | -1.26/-3.95     | -6.63/-10.38    | -14.56/-13.36   | -10.31/-6.23    | -3.9/-2.04      | 0.02/1.35       | 1.41/1.19         | 1.99/2.57         | 2.20/3.98         | 0.99/1.64         | 2.1/66            | 1.51/0.4          | -1.93/-4.28       | -6.49/-9.83       | -11.51/-9.33      | -5.99/-4.25       | -2.98/-0.77       | 0.64/1.33         | 2.42/3.23         | 4.13/4.74         | 4.47/4.11         | 3.67/2.79         | 2.49/2.52         |  |
| Θ(45°)    | 1.02/-0.77    | -2.3/-4.54      | -8.3/-13.21     | -15.1/-14.48    | -13.51/9.38     | -5.27/-3.42     | -1.32/-0.31     | -0.21/0.42        | 0.95/0.29         | 0.08/0.21         | 0.28/0.29         | 0.46/-0.13        | -0.22/-1.56       | -4.26/-6.38       | -6.31/-8.45       | -14.21/-12.57     | -9.22/-5.79       | -3.89/-3.07       | -1.19/-0.14       | 0.88/1.9          | 2.33/3.06         | 3.07/3.09         | 2.52/1.85         | 2.58/2.14         |  |
| Θ(52.5°)  | -0.82/-2.65   | -4.89/-7.16     | -10.96/-14.45   | -15.6/-13.43    | -11.67/-10.33   | -6.77/-5.32     | -2.29/-1.13     | -0.4/0.07         | 0.37/0.71         | -0.58/-1.01       | -1.03/-1.32       | -2.83/-4.18       | -5.6/-6.48        | -6.96/-7.68       | -13.88/-14.53     | -11.7/-9.5        | -5.68/-4.25       | -2.77/-0.95       | 0.49/0.56         | 0.97/1.62         | 1.67/1.77         | 1.31/0.58         | 0.94/0.02         |                   |  |
| Θ(60°)    | -2.38/-5.37   | -8.06/-12.71    | -11.08/-11.81   | -14.65/-14.42   | -13.08/-13.55   | -8.08/-7.26     | -4/-3.17        | -1.74/-2.18       | -2.67/-2.16       | -1.55/-1.16       | -2.03/-2.97       | -4.02/-3.96       | -3.42/-5.27       | -6.03/-5.47       | -7.18/-8.93       | -10.89/-15.61     | -14.62/-12.51     | -8.25/-5.42       | -3.93/-1.66       | -0.96/-0.55       | -0.98/-0.14       | -0.58/0.22        | 0.37/-0.64        | -1.77/-2.24       |  |
| Θ(67.5°)  | -4.6/-5.57    | -7.68/-16.14    | -12.38/-14.01   | -14.74/-15.11   | -14.33/-12.01   | -9.75/-7.82     | -6.59/-5        |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |  |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                |                |                |                |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|-----------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Θ(52°)    | 2.37/3.62     | 4.75/0.09      | 5.02/5.07      | 4.56/3.96      | 3.64/2.59      | 2.01/1.31      | -0.04/-0.25    | -2.25/-4.46      | -10.38/-9.19     | -14.91/-10.2     | -6.85/-7.27      | -5.18/-2.82      | -0.67/-0.21      | 0.58/2.29        | 2.71/2.93        | 3.47/3.62        | 3.79/3.05        | 1.93/0.59        | -0.92/-2.68      | -6.61/-7.28      | -8.66/-12.03     | -11.83/-10.86    | -5.52/-1.64      | -0.17/1.33       |
| Θ(60°)    | 2.09/3.12     | 3.6/3.91       | 4.33/4.58      | 3.99/2.88      | 2.44/2.01      | 1.18/-0.22     | -1.47/-1.65    | -3.61/-6.01      | -11.59/-11.23    | -14.78/-14.1     | -8.97/-10.25     | -10.47/-6.84     | -4.44/-3.8       | -1.67/-0.82      | -0.26/0.34       | 1.15/1.51        | 0.23/-0.58       | -2.04/-3.68      | -6.54/-10        | -9.01/-11.7      | -12.82/-11.02    | -5.21/-2.55      | -1.6/0.03        |                  |
| Θ(72.5°)  | 1.27/2.35     | 3.13/3.26      | 3.36/3.47      | 3.39/2.31      | 1.23/0.89      | -0.35/-2.11    | -3.46/-4.09    | -3.96/-5.69      | -10.02/-13.61    | -15.49/-15.06    | -13.07/-10.34    | -8.75/-7.56      | -5.34/-4.55      | -3.02/-1.73      | 0.10/0.68        | 1.6/1.3          | 1.11/0.41        | 0.10/2.27        | -1.02/-3.87      | -7.98/-10.79     | -13.56/-13.88    | -6.11/-3.33      | -1.83/-0.27      |                  |
| Θ(75°)    | 0.33/1.02     | 1.92/1.71      | 2.22/2.19      | 2.08/1.4       | 0.68/-0.15     | -0.67/-1.82    | -4.85/-6.13    | -5.54/-7.15      | -5.56/-13.84     | -15.54/-14.77    | -14.78/-8.87     | -5.31/-5.86      | -4.77/-2.97      | -1.55/-1.27      | 0.34/1.5         | 2.53/1.99        | 1.66/1.72        | 0.23/0.27        | -1.42/-4.49      | -10.14/-11.52    | -12.92/-13.83    | -13.13/-9.37     | -7.28/-4.41      | -2.45/-1.09      |
| Θ(82.5°)  | -1.1/0.2      | 0.34/0.3       | 1.14/0.7       | 0.88/0.33      | -0.13/-0.78    | -1.75/-2.43    | -4.38/-6.13    | -8.89/-8.25      | -5.72/-11.74     | -14.59/-14.97    | -13.54/-6.12     | -6.27/-3.87      | -5.14/-3.55      | -2.36/-1.37      | 0.64/2.14        | 3.13/2.12        | 1.71/1.55        | -0.25/-1.02      | -3.32/-6.91      | -13.19/-13.96    | -14.13/-13.01    | -13.75/-9.56     | -7.66/-5.61      | -3.53/-2.82      |
| Θ(90°)    | -2.61/-1.44   | -1.19/-0.87    | 0.2/0.36       | 0/-0.81        | -0.83/-1.38    | -1.71/-1.76    | -3.51/-5.69    | -10.49/-13.5     | -9.29/-12.83     | -13.51/-15.03    | -12.05/-15.03    | -7.44/-6.78      | -6.3/-7.87       | -3.53/-4.23      | 1.95/1.49        | 2.11/1.77        | 0.77/-0.03       | -3.12/-3.51      | -7.61/-10.8      | -12.18/-14.9     | -12.89/-12.09    | -11.69/-7.83     | -8.92/-6.5       | -5.51/-3.83      |
| Θ(97.5°)  | -4.26/-3.38   | -2.82/-1.63    | -0.93/-1.39    | -1.15/-1.28    | -1.76/-2.27    | -2.28/-2.66    | -3.97/-5.36    | -9.48/-12.92     | -13/-13.21       | -13.86/-14.93    | -14.34/-14.45    | -9.48/-6.45      | -9.87/-8.57      | -5.95/-6.22      | -3.98/-1.58      | -1.77/-2.04      | -3.38/-3.83      | -8.18/-8.65      | -12.25/-13.66    | -12.09/-13.05    | -12.69/-11.19    | -10.84/-7.47     | -9.86/-8.32      | -8.1/-5.37       |
| Θ(105°)   | -5.97/-5.38   | -4.69/-2.52    | -2.25/-2.4     | -2.51/-2.49    | -2.29/-2.55    | -2.78/-2.8     | -4.49/-4.97    | -5.78/-8.92      | -15.36/-13.49    | -14.08/-13.55    | -12.82/-12.94    | -11.5/-9.26      | -10.86/-8.09     | -8.4/-10.3       | -7.15/-6.19      | -6.77/-6.16      | -9.29/-10.37     | -15.02/-15.31    | -14.92/-15.42    | -14.67/-14.48    | -13.05/-10.75    | -10.26/-9.09     | -11.32/-10.51    | -9.71/-6.2       |
| Θ(112.5°) | -7.44/-6.46   | -5.45/-4.22    | -3.79/-3.12    | -2.91/-2.71    | -3.68/-3.33    | -5.18/-4.99    | -5.54/-5.48    | -6.06/-9.52      | -10.63/-14.15    | -14.91/-15.41    | -13.67/-11.66    | -15.57/-14.82    | -13.03/-8.37     | -9.57/-8.53      | -7.87/-7.42      | -7.68/-8.41      | -11.41/-11.54    | -16.08/-15.07    | -14.26/-13.34    | -13.7/-15.62     | -11.38/-11       | -12.52/-12.63    | -13.21/-12.34    | -11.31/-9.02     |
| Θ(120°)   | -9.27/-8.74   | -6.61/-4.83    | -4.79/-4.18    | -5.29/-4.43    | -5.12/-4.96    | -4.88/-6.77    | -6.63/-6.95    | -7.09/-11.27     | -10.27/-12.31    | -14.63/-15.36    | -15.3/-15.56     | -14.96/-15.72    | -11.48/-9.2      | -11.73/-10.41    | -9.53/-12.06     | -7.97/-8.12      | -9.73/-10.87     | -12.51/-10.54    | -9.96/-9.97      | -13.9/-14.84     | -13.68/-14.04    | -15.06/-13.95    | -14.19/-14.21    | -13.23/-8.45     |
| Θ(127.5°) | -11.57/-9.82  | -7.79/-6.12    | -5.72/-5.88    | -6.17/-5.23    | -4.64/-5.98    | -6.77/-6.44    | -7.81/-10.13   | -10.73/-10.17    | -11.37/-12.99    | -14.88/-15.37    | -15.56/-14.8     | -10.32/-12.21    | -10.55/-10.94    | -13.36/-15.84    | -15.29/-13.27    | -12.46/-14.72    | -15.67/-15.18    | -13.91/-13.97    | -12.34/-12.27    | -15.21/-15.19    | -15.38/-15.03    | -14.45/-14.96    | -14.57/-15.42    | -13.97/-9.47     |
| Θ(135°)   | -12.05/-12.5  | -11.89/-10.78  | -6.19/-5.1     | -7.3/-2.24     | -5.96/-5.54    | -6.89/-8.48    | -8.78/-8.19    | -11.59/-10.21    | -9.54/-13.65     | -14.91/-15       | -16.07/-13.47    | -15.38/-12.49    | -15.29/-15.73    | -15.79/-11.57    | -11.45/-15.34    | -15.57/-15.65    | -15.61/-16.22    | -16.07/-15.77    | -15.7/-15.47     | -15.74/-15.68    | -15.72/-15.61    | -15.32/-15.19    | -16.01/-15.33    | -14.13/-12.87    |
| Θ(142.5°) | -14.24/-13.03 | -13.84/-14.59  | -10.11/-6.82   | -6.36/-7.52    | -9.93/-8.73    | -6.05/-7.64    | -10.21/-12.13  | -9.06/-11.71     | -12.63/-13.44    | -15.31/-15.37    | -14.8/-14        | -13.21/-12.18    | -15.2/-14.63     | -15.42/-14.94    | -15.04/-14.65    | -15.57/-15.07    | -14.12/-14.66    | -14.63/-15.07    | -15.84/-14.48    | -15.75/-15.28    | -14.6/-14.89     | -16.18/-15.16    | -15.24/-15.35    | -15.2/-13.45     |
| Θ(150°)   | -15/-13.33    | -13.59/-10.18  | -8.57/-8.52    | -7.67/-7.22    | -6.2/-7.87     | -11.21/-12.13  | -8.57/-9.64    | -13.58/-15.07    | -15.2/-15.44     | -15.33/-15.79    | -15.89/-15.38    | -14.85/-14.96    | -15.45/-15.32    | -15.12/-14.77    | -15.05/-15.11    | -15.07/-14.9     | -14.47/-14.12    | -14.57/-13.98    | -15.41/-15.49    | -15.49/-15.02    | -14.92/-15.18    | -14.48/-15.23    | -15.04/-14.99    |                  |
| Θ(157.5°) | -15.59/-14.36 | -12.98/-13.03  | -13.56/-11.73  | -11.48/-11     | -10.17/-9.52   | -10.1/-12.19   | -12.72/-12.41  | -14.84/-15.23    | -15.36/-15.58    | -15.59/-15.96    | -15.33/-15.65    | -15.09/-15.52    | -15.21/-15.18    | -14.64/-14.18    | -14.42/-14.78    | -15.62/-15.5     | -15.26/-15.38    | -14.63/-14.2     | -14.29/-15.3     | -15.16/-15.49    | -15.34/-15.31    | -15.27/-14.97    | -15.59/-15.7     |                  |
| Θ(165°)   | -15.5/-14.35  | -14.03/-12.93  | -13.46/-14.64  | -15.48/-12.62  | -11.18/-11.32  | -11.1/-11.57   | -12.12/-13.18  | -14.65/-16.03    | -16.23/-15.91    | -15.37/-15.85    | -15.09/-14.74    | -15.42/-15.83    | -15.07/-15.39    | -15.36/-14.97    | -15.28/-15.12    | -14.9/-15.68     | -15.17/-13.43    | -12.05/-12.07    | -12/-12.33       | -13.79/-15.24    | -15.05/-15.63    | -15.45/-15.21    | -15.03/-14.91    | -15.17/-15.49    |
| Θ(172.5°) | -15.1/-15.37  | -15.12/-15.8   | -15.38/-15.29  | -13.27/-12.34  | -12.04/-12.8   | -13.29/-14.25  | -14.41/-13.93  | -14.71/-15.77    | -14.79/-15.36    | -14.82/-15.16    | -14.56/-15.14    | -15.25/-15.56    | -15.4/-15.48     | -15.72/-15.2     | -14.35/-13.76    | -13.65/-14.2     | -14.58/-12.69    | -10.93/-10.7     | -11.71/-11.9     | -11.64/-12.69    | -13.51/-14.74    | -14.64/-16.28    | -15.69/-15.28    | -15.57/-15.32    |
| Θ(180°)   | -15.22/-15.09 | -15.4/-14.98   | -14.42/-13.33  | -14.02/-15.86  | -15.2/-15.02   | -14.32/-13.78  | -15.45/-14.8   | -15.81/-15.44    | -15.1/-15.59     | -14.56/-15.44    | -15.5/-14.93     | -14.85/-15.54    | -15.92/-14.97    | -15.28/-14.67    | -14.42/-14.06    | -13.2/-12.84     | -12.77/-12.67    | -12.49/-11.62    | -11.98/-12.11    | -12.63/-13.16    | -14.31/-14.78    | -14.95/-15.55    | -15.32/-16.2     | -15.41/-15.2     |
| Freq(Hz)  | 5.785GPol.    | Theta          | +              | -              | -              | +              | -              | -                | +                | -                | -                | +                | -                | -                | +                | -                | -                | +                | -                | -                | +                | -                | -                | +                |
| DG(dB)    | Φ(0°)Φ(7.5°)  | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
| Θ(0°)     | 5.68/4.55     | 3.23/1.57      | -0.53/-3.63    | -8.74/-13.33   | -9.41/-3.79    | -0.78/1.37     | 3.01/4.32      | 5.49/6.39        | 6.91/7.19        | 7.69/7.79        | 7.66/7.39        | 7.02/6.54        | 5.85/4.76        | 3.25/1.27        | -1.18/-4.92      | -11.57/-13.52    | -6.27/-1.27      | 0.58/2.56        | 3.93/5.05        | 5.92/6.61        | 7.12/7.53        | 7.64/7.55        | 7.47/7.21        | 6.89/6.4         |
| Θ(7.5°)   | 5.52/4.36     | 2.71/0.7       | -1.96/-5.58    | -12.03/-15.42  | -8.36/-3.69    | -0.42/1.51     | 2.79/4.1       | 5.16/6.02        | 6.67/6.1         | 7.33/7.51        | 7.28/6.83        | 6.43/5.77        | 4.85/3.74        | 2.15/0.44        | -2.27/-6.04      | -10.43/-10.58    | -5.83/-2.13      | 0.39/2.58        | 3.96/5.19        | 6.13/6.74        | 7.33/7.87        | 8.25/8.31        | 8/7.5            | 7.08/6.47        |
| Θ(15°)    | 5.56/4.36     | 2.56/0.44      | -2.22/-6.05    | -13.01/-15.01  | -9.85/-4.89    | -1.51/0.79     | 2.74/3.64      | 4.59/5.27        | 5.78/6.16        | 6.45/6.69        | 6.78/6.54        | 6.11/5.68        | 5.06/3.99        | 2.59/0.5         | -2.46/-6.64      | -11.92/-11.79    | -6.48/-2.97      | -0.55/1.55       | 3.31/4.69        | 5.86/5.68        | 7.73/7.91        | 8.89/8.55        | 7.74/7.48        | 6.96/6.32        |
| Θ(22.5°)  | 5.04/3.93     | 2.2/-2.29      | -2.74/-6.52    | -12.63/-11.67  | -6.75/-3.55    | -1.20/4.1      | 1.96/3.06      | 3.81/4.33        | 4.94/5.33        | 5.24/5.05        | 5.33/5.78        | 5.52/4.98        | 3.96/2.41        | 0.95/0.5         | -2.64/-6.32      | -11.87/-11.3     | -5.66/-2.98      | -1.11/0.55       | 2.01/3.29        | 4.75/6.4         | 6.52/6.86        | 7.19/7.12        | 6.79/6.66        | 6.52/6.01        |
| Θ(30°)    | 3.95/3.08     | 1.17/-1.46     | -4.57/-9.31    | -14.17/-10.85  | -7.11/-4.07    | -1.56/0.57     | 1.82/1.87      | 2.55/3.25        | 3.27/3.32        | 3.45/3.42        | 3.74/4.28        | 3.95/3.58        | 2.82/1.48        | 0.48/-0.74       | -2.98/-6.88      | -14.3/-10.88     | -6.76/-3.21      | -1.29/-0.27      | 1.15/2.34        | 3.44/4.55        | 5.18/5.36        | 5.78/5.73        | 5.44/5.55        | 5.56/4.73        |
| Θ(37.5°)  | 2.42/-1.49    | -0.05/-2.61    | -6.76/-13.47   | -14.61/-11.8   | -6.43/-4.39    | -2.86/-1.49    | -0.21/0.3      | 2.05/2.46        | 1.89/1.78        | 2.24/2.61        | 1.75/2.31        | 2.52/4.23        | 1.62/0.39        | -1.55/-3.76      | -6.2/-5.57       | -12.92/-11.38    | -8.46/-3.85      | -0.90/3.3        | 1.23/1.98        | 2.83/5.3         | 4.89/4.55        | 5.73/4.68        | 4.05/3.06        |                  |
| Θ(45°)    | 1.31/-0.26    | -2.39/-5.16    | -11.69/-15.73  | -15.99/-15.19  | -7.93/-5.33    | -4.6/-2.98     | -1.28/0.12     | 0.27/0.65        | 0.98/1.36        | 0.98/-0.02       | -0.81/-0.08      | 0.58/1.31        | 1.07/0.01        | -2.2/-5.11       | -9.64/-15.08     | -15.71/-13.99    | -8.94/-4.29      | -1.45/-0.13      | 0.24/1.67        | 2.3/2.5          | 3.43/2.63        | 3/2.62           | 2.05/1.61        |                  |
| Θ(52.5°)  | -0.63/-0.73   | -2.85/-6.59    | -9.19/-14      | -15.14/-12.44  | -10.06/-5.97   | -4.49/-3.99    | -2.75/-0.93    | 0.23/0.51        | 0.35/0.65        | 0.12/-0.89       | -1.12/-0.57      | -0.28/-0.87      | -1.43/-3.94      | -4.47/-5.56      | -8.92/-13.87     | -15.87/-12.32    | -7.78/-3.05      | -1.23/-0.68      | -0.21/0.99       | 1.49/1.23        | 2.09/2.15        | 2.71/6.6         | 1.72/1.37        | 0.52/-0.34       |
| Θ(60°)    | -2.85/-2.81   | -5.24/-7.96    | -9.8/-13.53    | -13.01/-10.13  | -9.39/-5.56    | -4.5/-5.11     | -4.68/-2.44    | -0.91/-2.08      | -0.34/0.07       | -0.24/-1.13      | -1.1/-1.94       | -2.13/-2.64      | -2.85/-4.06      | -4.97/-5.67      | -9.03/-9.26      | -12.51/-12.85    | -8.06/-4.87      | -3.55/-3.19      | -1.44/-0.19      | 0.95/-2.29       | 0.17/0.09        | 1.14/4.02        | -0.75/-1.5       | -2.28/-2.05      |
| Θ(67.5°)  | -3.59/-4.62   | -9.05/-11.59   | -12.75/-12.16  | -10.62/-7.94   | -8.71/-6.57    | -5.9/-4.93     | -5.74/-4.41    | -2.9/-2.03       | -1.79/-1.66      | -1.04/-2.56      | -2.13/-2.97      | -4.27/-4.33      | -3.52/-5.81      | -5.09/-5.26      | -8.46/-8.53      | -11.48/-11.95    | -8.83/-6.71      | -5.01/-4.17      | -1.93/-0.38      | 0.26/1.07        | -1.21/-1.08      | -1.41/-1.38      | -2.87/-3.91      | -5.24/-3.16      |
| Θ(75°)    | -5.67/-7.05   | -10.69/-14.58  | -13.72/-10.3   | -8.11/-7.67    | -7.61/-7.28    | -6.6/-5.23     | -5.91/-5.75    | -5.14/-5.3       | -4.47/-4.05      | -3.2/-4.43       | -2.36/-2.39      | -6.8/-8.96       | -4.93/-7.39      | -6.77/-6.27      | -7.59/-8.57      | -10.89/-12.67    | -10.4/-7.2       | -4.83/-3.96      | -1.31/-0.57      | -0.77/-2.48      | -2.85/-3.18      | -4.25/-3.41      | -4.78/-5.62      | -6.62/-4.22      |
| Θ(82.5°)  | -8.64/-10.21  | -11.74/-14.58  | -11.48/-9.56   | -8.53/-9.07    | -7.64/-8.76    | -7.45/-6.75    | -6.88/-5.39    | -4.49/-6.52      | -5.53/-6.32      | -5.44/-5.26      | -3.79/-6.31      | -9.24/-7.89      | -5.52/-8.23      | -7.94/-8.61      | -6.52/-8.74      | -12.2/-12.01     | -8.52/-6.46      | -4.01/-2.76      | -2.53/-1.51      | -2.77/-4.18      | -5.57/-5.63      | -6.25/-4.44      | -6.28/-8.31      | -7.77/-5.04      |
| Θ(90°)    | -11.37/-11.01 | -12.17/-13.22  | -10.84/-9.56   | -8.69/-10.39   | -9.52/-11.38   | -8.8/-7.49     | -7.12/-6.22    | -5.05/-5.43      | -7.57/-8.61      | -8.98/-7.61      | -7.71/-9.89      | -11.59/-10.73    | -11.16/-10.58    | -10.86/-8.12     | -9.67/-10.75     | -13.17/-14.62    | -9.84/-5.69      | -5.07/-4.5       | -3.53/-2.68      | -5.92/-7.55      | -10.23/-9.59     | -9.11/-6.82      | -9.3/-12.82      | -8.4/-6.92       |
| Θ(97.5°)  | -12.24/-12.45 | -13.57/-11.38  | -10.8/-9.56    | -9.63/-12.17   | -12.85/-13.65  | -9.97/-9.38    | -9.12/-7.47    | -6.83/-7.61      | -8.68/-13.7      | -12.71/-11.29    | -10.42/-11.97    | -12.09/-11.16    | -13.54/-11.99    | -9.48/-9.62      | -12.52/-14.27    | -15.14/-15.63    | -11.38/-8.51     | -6.71/-5.93      | -6.65/-6.15      | -11.81/-10.51    | -14.02/-14.04    | -10.24/-8.55     | -14.1/-13.79     | -8.2/-7.76       |
| Θ(105°)   | -1            |                |                |                |                |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(90°)    | -1.65/-1.26   | -1.29/0.32      | 0.35/-1.21      | -0.69/-0.06     | -0.54/-0.16     | 0.21/-1.18      | -1.96/-4.04     | -8.39/-14.18      | -10.16/-11.38     | -12.11/-13.62     | -10.19/-9.19      | -6.38/-6.39       | -6.11/-6.76       | -6.16/-4.48       | -1.85/-1.52       | 2.86/3.14         | 1.51/0.47         | -1.01/-2.72       | -6.2/-11.05       | -11.04/-13.95     | -11.51/-13.22     | -11.7/-9.44       | -6.4/-5.85        | -6.36/-3.54       |
| Θ(97.5°)  | -3.82/-2.91   | -2.84/-0.9      | -0.62/0.42      | -1.83/-1.47     | -1.74/-0.79     | -0.67/-1.56     | -1.92/-3.74     | -6.23/-13.86      | -13.77/-9.19      | -11.53/-13.62     | -12.48/-13.24     | -10.69/-5.58      | -11.52/-7.56      | -6.51/-5.4        | -3.25/-1.51       | 0.17/0.35         | -2.32/-3.62       | -5.49/-8.35       | -11.01/-15.72     | -10.7/-13.82      | -11.07/-12.14     | -11.1/-9.58       | -6.87/-7.17       | -6.87/-5.47       |
| Θ(105°)   | -5.55/-4.57   | -3.87/-2.56     | -1.47/-1.04     | -2.39/-1.96     | -2.38/-1.56     | -2.21/-2.62     | -1.67/-4.1      | -4.9/-10.57       | -12.25/-14.92     | -11.74/-11.38     | -11.54/-11.48     | -8.5/-8.04        | -8.23/-9.87       | -6.12/-5.2        | -4.49/-5.07       | -9.07/-10.21      | -13.67/-15.59     | -15.09/-16.07     | -14.21/-14.74     | -11.15/-11.45     | -11.10/-10.18     | -8.32/-9.6        | -7.85/-6.83       |                   |
| Θ(112.5°) | -7.51/-6.18   | -4.03/-3.76     | -2.19/-1.97     | -2.35/-3.19     | -4/-3.62        | -3.82/-4.57     | -4.73/-4.44     | -6.35/-6.51       | -13.72/-12.4      | -14.22/-15.46     | -13.2/-14.63      | -12.94/-13.32     | -11.52/-6.71      | -8.5/-7.76        | -7.86/-5.62       | -4.43/-9.06       | -13.58/-9.04      | -12.39/-15.11     | -13.5/-11.36      | -13.1/-12.36      | -11.4/-14.2       | -13.08/-12.87     | -10.87/-12.04     | -8.09/-5.66       |
| Θ(120°)   | -10.65/-7.92  | -6.16/-7.26     | -3.93/-3.64     | -4.08/-4.58     | -4.59/-5.06     | -6.27/-7.38     | -6.92/-7        | -8.66/-6.95       | -10.15/-9.21      | -12.18/-15.41     | -14.76/-11.97     | -10.93/-15.5      | -10.37/-9.1       | -10.75/-18.3      | -10.54/-7.51      | -7.24/-7.19       | -11.69/-11.69     | -10.6/-8.24       | -10.79/-8.99      | -16.01/-15.19     | -14.07/-13.23     | -15.08/-14.24     | -11.13/-12.57     | -9.53/-9.95       |
| Θ(127.5°) | -9.56/-8.95   | -10.07/-7.91    | -4.96/-4.2      | -3.82/-5.36     | -5.57/-5.88     | -7.09/-9.57     | -8.43/-8.52     | -9.14/-8.65       | -8.79/-11.93      | -13.91/-15.68     | -15.4/-15.21      | -11.10/-14.31     | -10.37/-10.61     | -12.6/-13.54      | -14.09/-10.87     | -11.75/-12.64     | -15.25/-15.81     | -15.48/-14.65     | -15.87/-14.69     | -15.38/-15.69     | -14.82/-15.17     | -12.61/-14.42     | -14.16/-13.65     | -12.1/-11.33      |
| Θ(135°)   | -11.51/-11.77 | -11.65/-8.09    | -8.89/-6.11     | -3.91/-5.06     | -5.82/-5.23     | -5.67/-8.91     | -8.87/-9.88     | -8.66/-10.26      | -8.82/-8.19       | -14.89/-14.85     | -14.85/-14.68     | -15.28/-13.96     | -14.24/-15.2      | -15.03/-11.24     | -9.11/-9          | -14.37/-13.44     | -15.52/-15.63     | -15.37/-12.56     | -12.41/-14.6      | -14.7/-15.47      | -15.56/-15.64     | -14.46/-15.5      | -14.72/-14.47     | -14.34/-12.14     |
| Θ(142.5°) | -13.2/-15     | -14.43/-12.85   | -11.99/-9.85    | -7.76/-5.98     | -7.38/-9.05     | -6.08/-6.13     | -7.85/-11.91    | -12.04/-10.93     | -14.59/-15.5      | -15.4/-15.05      | -15.11/-15.55     | -13.5/-12.36      | -14.41/-11.99     | -11.43/-14.97     | -15.02/-13.43     | -15.07/-15.31     | -15.59/-15.11     | -12.93/-11.25     | -12.71/-15.11     | -14.89/-15.75     | -15.19/-15.04     | -15.7/-15.49      | -13.06/-14.88     | -14.72/-14.31     |
| Θ(150°)   | -12.16/-14.83 | -11.34/-8.55    | -8.02/-7.83     | -6.55/-5.87     | -6.92/-7.68     | -9.10/-12.61    | -13.3/-11.63    | -13.11/-15.63     | -14.83/-13        | -11.51/-12.43     | -14.62/-15.43     | -15/-12.56        | -14.25/-15.41     | -15.33/-14.46     | -14.11/-15.44     | -15.27/-15.48     | -14.89/-15.58     | -14.6/-14.26      | -15.22/-15.14     | -14.09/-14.59     | -15.34/-15.24     | -14.09/-14.49     | -15.22/-15.39     | -14.24/-13.11     |
| Θ(157.5°) | -14.99/-14.47 | -11.53/-10.96   | -10.58/-9.47    | -8.67/-9.18     | -11.57/-12.54   | -10.65/-9.1     | -10.26/-11.91   | -12.54/-14.8      | -15.47/-14.3      | -14.58/-15.03     | -14.08/-15.95     | -15.7/-14.57      | -13.54/-14.11     | -13.33/-14.73     | -15.27/-15.3      | -14.24/-14        | -14.35/-14.99     | -15.94/-15.28     | -15.8/-15.41      | -14.49/-15.58     | -15.73/-13.14     | -13.3/-14.5       | -14.76/-15.09     | -15.34/-14.6      |
| Θ(165°)   | -15.06/-15.06 | -15.72/-13.56   | -11.66/-10.69   | -11.6/-12.62    | -11.16/-11.07   | -11.38/-11.09   | -10.95/-11.04   | -14.67/-15.51     | -14.82/-15.02     | -15.45/-14.84     | -15.37/-16.07     | -15.1/-15.86      | -15.01/-15.88     | -14.58/-15.19     | -15.03/-15.43     | -13.54/-12.39     | -12.89/-13.81     | -14.11/-15.02     | -15.82/-15.15     | -15.79/-15.35     | -14.82/-14.82     | -15.79/-14.55     | -14.82/-14.82     | -15.07/-14.55     |
| Θ(172.5°) | -15.41/-15.97 | -15.45/-15.81   | -14.42/-12.83   | -12.32/-11.88   | -11.63/-11.23   | -12.54/-13.74   | -13.93/-15.28   | -16/-14.83        | -13.79/-13.85     | -15.35/-15.2      | -14.81/-14.75     | -15.96/-15.06     | -15.22/-15.52     | -14.82/-14.92     | -14.42/-14.17     | -13.84/-14.34     | -13.06/-11.97     | -11.78/-10.62     | -10.66/-11.36     | -12.01/-12.37     | -12.75/-13.18     | -12.93/-13.28     | -13.12/-12.62     | -14.49/-15.67     |
| Θ(180°)   | -14.6/-13.52  | -12.9/-10.72    | -10.77/-9.95    | -8.79/-9.56     | -10.36/-11.37   | -13.07/-13.37   | -13.32/-13.39   | -14.82/-15.34     | -14.77/-14.35     | -13.81/-14.5      | -15.06/-15.75     | -15.88/-15.16     | -15.43/-15.87     | -15.31/-14.19     | -13.64/-13.05     | -12.67/-11.45     | -11.18/-10.68     | -10.25/-10.49     | -11.12/-11.48     | -12.83/-12.95     | -13.24/-13.5      | -13.04/-14.65     | -15.33/-15.16     | -14.56/-14.47     |
| Freq(Hz)  | 6.175GPol.    | ThetaL          | -/-             | -/-             | -/-             | -/-             | -/-             | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               | -/-               |
| DG(dB)    | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 6.14/4.86     | 3.58/1.55       | -1.8/-4.69      | -13.12/-10.19   | -3.63/0.03      | 2.31/4.17       | 5.73/6.91       | 7.87/8.42         | 8.7/8.82          | 9.13/9.13         | 9.19/8.96         | 8.2/7.47          | 6.61/5.45         | 3.87/1.52         | -1.38/-5.81       | -11.04/-7.54      | -2.69/0.73        | 34.83             | 6.25/7.29         | 8.04/6.6          | 8.94/9.11         | 9.07/9.04         | 8.98/6.64         | 8.15/7.28         |
| Θ(7.5°)   | 6.31/5.11     | 3.64/1.83       | -0.95/-5.15     | -10.69/-9.4     | -3.83/-0.23     | 2.19/4.03       | 5.58/6.77       | 7.64/8.26         | 8.62/8.73         | 8.85/8.93         | 8.88/8.58         | 7.91/7.01         | 6.19/5.14         | 3.64/1.26         | -1.67/-6.17       | -11.14/-6.99      | -2.13/1.04        | 3.17/4.84         | 6.16/7.07         | 7.76/8.29         | 8.74/9            | 9.01/8.86         | 8.74/8.49         | 8.13/7.35         |
| Θ(15°)    | 6.16/4.9      | 3.43/1.29       | -1.84/-6.98     | -12.86/-9.02    | -4.39/-1.24     | 0.89/2.34       | 4.03/5.64       | 6.91/7.57         | 7.98/8.05         | 7.92/7.68         | 6.77/7.59         | 7.22/6.42         | 5.66/4.77         | 3.41/1.58         | -0.71/-3.66       | -7.96/-10.2       | -5.6/-1.17        | 1.62/3.9          | 5.52/6.48         | 7.02/7.68         | 8.22/8.42         | 8.46/6.41         | 8.17/7.83         | 7.52/6.93         |
| Θ(22.5°)  | 4.63/3.33     | 1.6/-0.57       | -2.89/-7.77     | -12.74/-11.23   | -5.79/-2.11     | 0.21/0.26       | 3.81/5.16       | 6.03/6.54         | 6.88/7.08         | 6.94/6.36         | 6.13/5.8          | 5.49/5.13         | 4.16/3.57         | 3.09/1.38         | -1.76/-5.38       | -9.45/-9.77       | -6.06/-2.44       | 0.18/2.79         | 4.73/5.82         | 6.32/6.92         | 7.45/7.88         | 7.77/7.24         | 7.03/7.09         | 6.92/5.89         |
| Θ(30°)    | 3.15/1.36     | -0.4/-2.6       | -5.46/-10.26    | -14.73/-11.9    | -4.17/-0.52     | 1.48/2.62       | 3.44/4.69       | 5.34/5.45         | 5.58/5.49         | 5.47/5.23         | 4.78/4.19         | 4.47/3.61         | 2.99/2.36         | 1.56/1.02         | -0.93/-4.72       | -10.63/-10.35     | -4.53/-1.36       | 0.21/6.7          | 3.47/4.85         | 5.59/6.03         | 6.63/6.92         | 6.87/7.02         | 7.22/6.83         | 5.48/4            |
| Θ(37.5°)  | 2.32/-0.16    | -2.22/-3.45     | -6.87/-12.21    | -12.01/-9.79    | -4.18/-0.5      | 1.07/1.82       | 2.22/3.43       | 4.44/7.7          | 4.86/4.6          | 3.85/3.56         | 4.01/2.71         | 2.62/1.23         | -0.07/-0.08       | 0.72/-0.62        | -4.51/-8.59       | -10.83/-9.7       | -4.7/-1.44        | 0.71/1.93         | 3.18/4.11         | 5.32/6.23         | 5.89/5.85         | 5.33/6.1          | 6.22/5.44         | 4.33/3.64         |
| Θ(45°)    | 1.49/-0.49    | -3.11/-3.32     | -4.97/-8.49     | -6.6/-5.42      | -5.29/-2.19     | -0.40/2.3       | 0.23/0.59       | 1.86/3.16         | 2.85/2.23         | 2.37/2.18         | 2.87/1.18         | 1.53/1.62         | 0.55/-0.71        | -1.86/-3.36       | -5.41/-10.16      | -13.27/-9.71      | -3.47/-0.86       | 0.36/1.96         | 3.02/3.35         | 4.29/5.24         | 4.91/4.89         | 3.94/4.57         | 4.51/4.31         | 3.05/2.54         |
| Θ(52.5°)  | 0.73/-2.58    | -4.81/-3.61     | -7.75/-8.86     | -6.48/-3.98     | -8.86/-4.49     | -3.12/-2.56     | 1.73/-0.91      | 0.63/1.8          | 1.33/2.27         | 1.85/0.32         | 0.31/-0.02        | 0.51/-0.6         | -2.07/-2.18       | -4.27/-7.61       | -9.12/-10.37      | -8.87/-6.84       | -1.9/-0.78        | -0.80/2.5         | 1.41/3.11         | 2.44/3.46         | 3.31/3.71         | 2.98/3.22         | 2.13/2.33         | 1.05/1.86         |
| Θ(60°)    | -0.41/-3.82   | -5.79/-9.33     | -13.38/-11.13   | -5.61/-4.99     | -5.48/-7.68     | -4.63/-2.35     | -3.29/-3.21     | -1.41/0.6         | 0.75/0.92         | 1.4/1.56          | 0.23/-0.63        | 0.13/-1.09        | -2.96/-9          | -5.85/-5.4        | -7.22/-9.72       | -9.39/-6.8        | -5.1/-2.56        | -3.16/-2.06       | -0.71/-1.16       | 0.99/1.41         | 1.2/1.83          | 2.49/2.29         | 0.6/0.63          | -1.35/-0.33       |
| Θ(67.5°)  | -3.98/-6.56   | -8.68/-10.41    | -11.39/-9.57    | -4.96/-8.05     | -6.52/-8.15     | -3.86/-2.43     | -5.16/-3.32     | -2.36/0.73        | 0.93/1.15         | 0.88/1.36         | -0.48/-0.85       | -1.88/-2.47       | -4.34/-6.66       | -4.54/-5.42       | -6.09/-9.66       | -10.52/-5.95      | -5.99/-6.28       | -5.68/-2.74       | -1.09/0.09        | 0.57/1.01         | -0.77/0.64        | 1.29/0.43         | -1.05/-0.88       | -3.23/-3.06       |
| Θ(75°)    | -8/-9.1       | -10.96/-5.61    | -9.8/-8.17      | -7.14/-10.88    | -8.95/-7.62     | -5.52/-3.57     | -4.16/-2.96     | -4.43/-0.99       | -9.01/2.23        | -0.65/-0.37       | -1.64/-2.08       | -2.65/-6.79       | -5.87/-5.49       | -5.97/-5.88       | -5.03/-7.21       | -1.6/-6.5         | -8.48/-8.14       | -6.4/-2.74        | -1.24/-0.87       | -1.03/-2.54       | -2.66/-1.05       | -1.04/-1.78       | -3.65/-3.97       | -6.47/-6.28       |
| Θ(82.5°)  | -14.6/-13.55  | -11.04/-6.83    | -9.63/-7.39     | -9.68/-9.95     | -10.82/-8.14    | -7.78/-5.26     | -3.77/-3.83     | -5.1/-2.97        | -3.1/-1.05        | -2.81/-3.22       | -2.39/-3.81       | -6.5/-7.03        | -5.11/-11.68      | -8.58/-6.33       | -5.09/-4.79       | -10.83/-7.76      | -8/-7.01          | -6.14/-3.06       | -2.25/-1.73       | -3.03/-4.6        | -5.35/-3.24       | -3.65/-4.01       | -7.27/-6.44       | -8.8/-9.66        |
| Θ(90°)    | -15.07/-13.77 | -9.71/-7.52     | -8.93/-7.63     | -9.29/-10.06    | -11.61/-9.17    | -10.78/-7.53    | -5.1/-5.16      | -6.29/-4.51       | -6.18/-4.57       | -5.26/-5.99       | -7/-9.63          | -7.49/-12.17      | -7.88/-8.29       | -7.53/-7.25       | -14.36/-10.14     | -9.86/-5.03       | -5.01/-3.45       | -3.93/-3.23       | -5.72/-7.13       | -8.54/-6.75       | -7.64/-6.51       | -10.33/-10.62     | -11.63/-13.74     |                   |
| Θ(97.5°)  | -13.92/-13.52 | -9.36/-11.7     | -8.45/-7.68     | -8.39/-9.01     | -11.17/-14.71   | -11.66/-9.65    | -7.29/-5.76     | -7.48/-6.26       | -9.36/-7.64       | -8.4/-7.36        | -8.42/-5.67       | -7.46/-13.82      | -11.86/-11.84     | -7.41/-10.06      | -10.77/-9.28      | -15.34/-14.27     | -10.47/-7.98      | -6.46/-5.87       | -7.47/-6.69       | -9.34/-11.59      | -9.19/-6.85       | -13.15/-8.09      | -13.98/-14.54     | -14.43/-9.83      |
| Θ(105°)   | -11.86/-12.45 | -7.59/-10.46    | -9.65/-8.76     | -9.01/-9.7      | -13.06/-15.36   | -12.83/-10.08   | -7.43/-5.71     | -7.51/-7.03       | -11.18/-7.27      | -7.21/-7.56       | -11.27/-8.6       | -10.53/-15.24     | -10.19/-11.33     | -10.09/-9.9       | -12.65/-11.61     | -13.06/-15.4      | -12.2/-15.24      | -12.33/-12.59     | -11.32/-8.89      | -8.62/-13.62      | -10.59/-14.78     | -13.36/-11.19     | -14.64/-12.47     | -15.53/-15.81     |
| Θ(112.5°) | -10.94/-12.03 | -7.45/-11.7     | -9.19/-8.92     | -9.03/-11.06    | -12/-15.49      | -12.4/-11.38    | -7.9/-7.26      | -9.52/-9.32       | -12.11/-7.42      | -7.48/-9.54       | -11.35/-11.01     | -13.6/-10.33      | -7.09/-13.58      | -14.46/-12.15     | -13.6/-10.37      | -13.31/-13.07     | -13.98/-15.09     | -12.21/-11.96     | -13.32/-12.84     | -15.3/-14.29      | -12.32/-15.36     | -16.19/-13.96     | -15.85/-12.2      | -15.18/-11.68     |
| Θ(120°)   | -10.2/-9.62   | -8.26/-12.57    | -9.05/-10.29    | -12.47/-13.18   | -12.14/-14.92   | -13.16/-12.9    | -9.88/-9.88     | -9.82/-12.11      | -15.27/-14.34     | -12.42/-13.51     | -15.45/-14.26     | -11.13/-12.68     | -12.81/-9.64      | -15.19/-16.04     | -13.84/-13.47     | -15/-11.61        | -12.52/-9.89      | -11.25/-12.86     | -14.68/-14.89     | -14.9/-15.33      | -14.81/-14.92     | -15.89/-13.82     | -15.08/-14.51     | -14.43/-9.83      |
| Θ(127.5°) | -12.91/-9.74  | -12.25/-12.99   | -9.03/-12.6     | -13.01/-11.58   | -11.47/-12.91   | -12.11/-14.72   | -12.28/-12.05   | -12.77/-14.87     | -14.63/-15.33     | -11.97/-11.66     | -14.11/-14.91     | -14.83/-14.22     | -14.04/-13.46     | -14.36/-13.01     | -14.65/-14.55     | -15.27/-12.43     | -14.31/-15.17     | -15.47/-15.43     | -14.73/-15.06     | -15.12/-15.7      | -15.37/-13.92     | -15.77/-14.05     | -15.42/-14.11     | -9.73/-9.7        |
| Θ(135°)   | -10.19/-9.83  | -10.66/-12.6    | -10.14/-10.13   | -13.62/-14.6    | -14.38/-14.58   | -14.5/-14.8     | -12.19/-12.27   | -12.04/-12.13     | -13.09/-11.32     | -12.4/-15.66      | -15.26/-14.86     | -14.85/-14.17     | -11.71/-12.84     | -14.87/-15.77     | -15.59/-15.28     | -12.89/-13.97     |                   |                   |                   |                   |                   |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(135°)   | -13.75/-14.46 | -13.56/-11.13   | -10.39/-10.29   | -9.39/-8.5      | -8.08/-9.35     | -8.81/-9.93     | -13.73/-11.63   | -11.39/-12.39     | -14.74/-12.7      | -14.87/-12.39     | -15.25/-15.1      | -11.18/-10.07     | -14.13/-15.37     | -15.72/-15.34     | -14.75/-12.28     | -14.74/-14.58     | -12.54/-13.42     | -12.22/-12.42     | -10.02/-15.63     | -14.97/-15.45     | -14.95/-15.27     | -14.64/-15.55     | -13.56/-15        | -14.63/-13.04     |
| Θ(142.5°) | -14.66/-15.72 | -14.89/-14.45   | -13.42/-10.9    | -8.89/-7.49     | -8.2/-10.76     | -11.58/-11.98   | -15.56/-12      | -15.69/-13.56     | -15.15/-14.34     | -11.9/-14.65      | -14.64/-15.44     | -15.62/-13.06     | -14.08/-15.6      | -13.49/-14.51     | -15.44/-15.44     | -11.06/-11.93     | -13.39/-14        | -14.01/-14.27     | -15/-15.27        | -15.4/-15.36      | -15.25/-15.64     | -15.45/-15.03     | -13.38/-12.32     | -14.1/-14.52      |
| Θ(150°)   | -15.5/-15.69  | -15.12/-13.7    | -12.02/-11      | -10.35/-10.26   | -9.38/-9.16     | -10.36/-10.27   | -12.58/-10.82   | -10.52/-10.31     | -10.36/-14.9      | -13.47/-16.06     | -12.71/-12.17     | -15.35/-15.32     | -13.93/-15.63     | -14.33/-15.32     | -12.35/-12.38     | -12.53/-11.88     | -13.63/-15.7      | -14.79/-14.83     | -14.8/-14.96      | -14.6/-15.76      | -14.76/-14.35     | -14.62/-15.29     | -15.42/-14.49     | -15.75/-15.77     |
| Θ(157.5°) | -15.37/-15.35 | -15.97/-15.21   | -14.37/-12.55   | -11.67/-10.79   | -12.04/-12.91   | -13.27/-11.18   | -10.27/-11.19   | -15.39/-12.61     | -12.67/-14.96     | -15.5/-14.16      | -14.81/-15.83     | -15.44/-14.85     | -15.87/-14.27     | -14/-15.22        | -14.97/-15.68     | -15.62/-15.39     | -14.84/-14.3      | -12.38/-12.58     | -13.53/-14.13     | -14.22/-14.58     | -15.18/-15.07     | -14.43/-14.95     | -15.58/-14.61     | -15.31/-14.81     |
| Θ(165°)   | -15.42/-15.09 | -15.65/-14.97   | -14.91/-15.85   | -14.94/-14.16   | -15.36/-14.22   | -13.61/-13.69   | -13.37/-13.52   | -14.72/-14.46     | -14.8/-15.03      | -14.07/-14.16     | -15.97/-15.5      | -16.05/-14.77     | -15.44/-15.36     | -15.74/-15.12     | -14.62/-15.74     | -15.74/-15.14     | -15.37/-14.56     | -15.75/-15.21     | -15.68/-14.72     | -15.2/-14.42      | -14.95/-15.03     | -14.93/-15.87     | -15.66/-14.55     | -15.36/-15.66     |
| Θ(172.5°) | -15.18/-15.36 | -10.54/-15.36   | -15.25/-15.71   | -14.69/-14.57   | -14.67/-15.48   | -15.88/-15.62   | -14.08/-13.42   | -13.67/-13.55     | -14.45/-15.18     | -15.02/-16.05     | -15.32/-15.86     | -15.39/-14.97     | -15.38/-16.05     | -15.45/-15.17     | -14.53/-14.86     | -14.86/-15.87     | -15.2/-14.98      | -14.79/-13.63     | -12.47/-11.84     | -11.6/-11.31      | -11.25/-12.05     | -13.8/-15.15      | -15.87/-15.42     | -15.56/-15        |
| Θ(180°)   | -14.66/-15.36 | -15.48/-14.82   | -13.5/-14.91    | -15.42/-15.43   | -15.74/-15.41   | -15.16/-15.05   | -14.32/-15.31   | -14.6/-15         | -15.76/-15.87     | -15.33/-15.07     | -15.5/-15         | -15.24/-15.17     | -14.83/-15.81     | -15.27/-15.18     | -14.73/-15.6      | -15.64/-15.89     | -15.39/-15.06     | -14.2/-14.97      | -15.5/-15.1       | -14.61/-15.44     | -15.96/-15.61     | -15.04/-15.31     | -15.05/-15.52     | -15.46/-15.41     |
| Freq(Hz)  | 6.895GPol.    | ThetaL          | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| DG(dB)    | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 6.52/5.49     | 4.42/3.14       | 1.19/-1.63      | -5.39/-10.41    | -9.54/-4.75     | -0.82/1.69      | 3.56/5.11       | 6.16/7.12         | 7.98/29           | 8.59/8.72         | 8.81/8.68         | 8.17/7.5          | 6.88/5.81         | 4.52/7.2          | 0.27/-3.62        | -9.17/-14.1       | -7.66/-2.46       | 0.77/2.77         | 4.48/5.55         | 6.58/7.32         | 7.79/8.09         | 8.14/8.27         | 8.29/8.11         | 7.78/7.16         |
| Θ(7.5°)   | 5.44/4.3      | 3.01/1.01       | -1.31/-5.69     | -14.42/-15.31   | -7.12/-2.52     | 0.26/2.41       | 4/5.32          | 6.24/7.07         | 7.69/8.08         | 8.32/8.61         | 8.73/8.63         | 8.12/7.43         | 6.82/5.71         | 4.36/2.73         | 0.24/-2.81        | -6.13/-10.04      | -6.88/-3.05       | 0.27/2.35         | 3.95/2            | 6.23/6.88         | 7.3/7.75          | 7.87/7.94         | 7.85/7.5          | 7.19/6.53         |
| Θ(15°)    | 4.83/3.65     | 2.51/1.06       | -1.01/-4.04     | -9.42/-11.93    | -6.71/-2.19     | 0.67/2.64       | 4.21/5.5        | 6.45/7.07         | 7.67/9.8          | 8.13/8.15         | 8.02/7.81         | 7.39/7.16         | 6.68/5.94         | 4.93/2.22         | -0.9/-2.26        | -8.72/-13.78      | -7.03/-2.55       | 0.4/2.29          | 3.73/4.9          | 5.96/5.57         | 6.93/7.34         | 7.43/7.52         | 7.47/7.22         | 6.72/5.85         |
| Θ(22.5°)  | 3.01/1.54     | 0.23/-0.65      | -3.22/-6.48     | -12.79/-12.44   | -7.52/-2.78     | -0.27/1.57      | 3.32/4.81       | 6.06/6.96         | 7.4/7.51          | 7.47/7.61         | 7.67/7.08         | 6.44/6.15         | 5.42/4.33         | 3.06/1.12         | -1.07/-2.83       | -4.96/-6.34       | -6.38/-2.38       | 0.82/7.5          | 3.71/4.89         | 6.08/6.83         | 7.06/7.27         | 7.51/7.62         | 7.27/6.22         | 5.14/4.23         |
| Θ(30°)    | 3.18/1.22     | -0.49/-1.94     | -4.13/-8.83     | -13.37/-10.72   | -7.16/-5.21     | -1.96/0.62      | 2.19/3.44       | 4.4/5.67          | 6.35/5.93         | 5.73/5.72         | 5.72/5.48         | 4.29/4.01         | 3.64/3.5          | 2.93/0.49         | -3.11/-6.99       | -10.79/-8.29      | -4.58/-2.66       | 0.35/2.06         | 3.69/5.27         | 5.65/6.5          | 5.85/6.18         | 6.42/5.91         | 5.4/4.9           | 4.92/4.35         |
| Θ(37.5°)  | 2.01/0.5      | -2.15/-0.58     | -6.23/-9.8      | -12.74/-6.89    | -3.88/-3.28     | -0.51/1.62      | 2.36/3.2        | 4.17/4.4          | 4.18/3.92         | 4.47/3.97         | 3.03/3.39         | 1.68/1.14         | 1.68/2.08         | 0.73/-1.27        | -3.28/-9.18       | -13.66/-8.26      | -4.97/-2.29       | -0.21/1.3         | 3.65/4.82         | 4.62/4.09         | 5.22/4.85         | 4.79/4.55         | 4.06/3.09         |                   |
| Θ(45°)    | 0.90/4.2      | -1.63/-4.74     | -8.61/-11.96    | -8.06/-4.08     | -3.63/-2.57     | -1.16/0.55      | 1.1/1.82        | 1.91/1.13         | 2.33/2.14         | 2.37/1.55         | 0.71/2.07         | 0.25/-0.73        | -2.29/-0.77       | -0.21/-1.83       | -4.95/-13.13      | -11.48/-7.97      | -6.4/-4.76        | -0.87/0.82        | 1.51/2.87         | 3.36/3.3          | 3.62/7.4          | 3.6/3.6           | 3.89/2.55         | 1.56/0.97         |
| Θ(52.5°)  | -2.06/-2.63   | -4.12/-6.75     | -9.7/-12.9      | -9.16/-5.04     | -5.14/-3.92     | -3.8/-2.01      | -0.76/-1.17     | -1.31/-0.63       | 1.28/1.04         | 0.42/0.04         | 0.01/-0.35        | -0.37/-2.91       | -1.97/-0.38       | -5.61/-6.68       | -13.33/-13.44     | -9.25/-1.89       | -6.96/-4.59       | -1.34/-0.01       | 1.28/1.01         | 1.07/2.25         | 2.63/2.54         | 2.63/2.05         | 2.15/1.71         | 1.80/1.19         |
| Θ(60°)    | -5.38/-6.45   | -6.24/-7.02     | -12.61/-11.88   | -12.34/-7.68    | -6.5/-7.2       | -7.26/-5.57     | -2.87/-2.54     | -2.55/-2.68       | -0.43/0.06        | -0.11/0.45        | -0.38/-1.03       | -1.67/-3.94       | -5.03/-2.8        | -5.49/-7.02       | -10.8/-11.66      | -11.35/-10.28     | -10.36/-5.13      | -3.66/-2.82       | -0.53/-0.99       | -0.88/-0.05       | 0.62/1.64         | 1.52/-0.46        | 0.12/-0.79        | -0.78/-1.11       |
| Θ(67.5°)  | -9.15/-8.94   | -8.79/-9.31     | -12.53/-10.5    | -11.82/-8.22    | -8.12/-9.45     | -8.1/-5.84      | -3/-3.15        | -2.93/-3.21       | -0.61/0.28        | 1.53/1.01         | -0.41/-1.34       | -2.26/-4.55       | -4.5/-4.42        | -6.99/-7.32       | -12.12/-10.98     | -13.52/-10.19     | -9.91/-6.02       | -4.3/-4.4         | -1.4/-1.08        | -1.47/-2.02       | -0.37/-0          | 0.13/-1.16        | -0.98/-2.01       | -4.08/-9.11       |
| Θ(75°)    | -13.02/-12.15 | -9.1/-12.06     | -15.36/-10.36   | -11.26/-8.55    | -8.87/-10.64    | -7.02/-5.51     | -2.7/-3.67      | -3.95/-4.78       | -1.06/-0.24       | 1.07/0.12         | -0.53/-1.67       | -3.53/-3.85       | -9.54/-6.61       | -11.2/-5.19       | -8.59/-13.83      | -15.03/-12.32     | -8.22/-9.77       | -5.97/-3.14       | -0.62/-0.1        | -1.72/-4.04       | -2.99/-2.14       | -1.4/-1.74        | -2.63/-3.47       | -6.07/-10.58      |
| Θ(82.5°)  | -12.78/-13.45 | -14.34/-13.58   | -13.11/-11.1    | -10.19/-9.58    | -8.93/-9.82     | -8.11/-4.14     | -2.45/-4.29     | -5.4/-8.4         | -2.28/-1.45       | -0.51/-1.85       | -1.21/-2.38       | -4.06/-10.12      | -12.97/-5.71      | -8.13/-5.81       | -12.72/-12.45     | -14.84/-15.03     | -6.58/-8.92       | -4.55/-1.42       | 0.12/-0.22        | -2.46/-6.19       | -4.93/-3.58       | -2.35/-3.34       | -4.21/-7.96       | -8.9/-15.7        |
| Θ(90°)    | -10.16/-15.1  | -15.36/-12.41   | -11.21/-9.61    | -10.74/-9.87    | -8.6/-13.03     | -11.69/-4.98    | -4.84/-5.2      | -4.84/-6.62       | -5.82/-3.83       | -3.36/-4.5        | -3.15/-3.8        | -3.42/-7.68       | -11.04/-5.67      | -8.94/-10.09      | -8.34/-11.12      | -15.52/-15.13     | -6.41/-9.84       | -3.96/-2.57       | -1.8/-1.89        | -4.43/-8.14       | -6.98/-5.67       | -5.09/-5.96       | -6.23/-10.63      | -13.76/-14.82     |
| Θ(97.5°)  | -10.72/-13.19 | -11.85/-9.67    | -10.39/-9.14    | -11.09/-9.47    | -10.01/-13.96   | -1.93/-6.58     | -6.88/-6.67     | -5.98/-9.81       | -7.91/-4.58       | -6.77/-6.04       | -6.8/-8.33        | -7.43/-12.46      | -12.95/-5.84      | -9.69/-9.66       | -9.53/-11.83      | -15.17/-13.64     | -8.5/-4.9         | -6.91/-5.28       | -5.64/-6.54       | -9.65/-10.93      | -7.94/-7.2        | -8.22/-10.08      | -9.56/-12.77      | -14.16/-16.92     |
| Θ(105°)   | -15.29/-12.37 | -8.42/-7.36     | -9.62/-8.36     | -11.13/-10.54   | -11.87/-15.26   | -13.89/-9.59    | -8.99/-7.51     | -9.93/-13.44      | -8/-6.02          | -6.67/-6.61       | -7.41/-8.5        | -9.57/-11.08      | -11.96/-8.41      | -11.98/-13.96     | -14.72/-12.34     | -10.84/-10.24     | -9.93/-8.59       | -10.11/-9.37      | -10.04/-14.4      | -8.52/-9.48       | -12.71/-14.98     | -11.81/-11.32     | -13.4/-13.27      |                   |
| Θ(112.5°) | -15.26/-11.93 | -7.23/-7.18     | -8.47/-9.76     | -11.48/-11.86   | -13.51/-14.55   | -13.74/-11.42   | -10.05/-9.34    | -10.75/-11.14     | -9.11/-10.32      | -8.87/-10.82      | -8.87/-7.89       | -7.94/-10.36      | -8.18/-8.79       | -11.91/-14.37     | -11.27/-14.28     | -14.56/-13.43     | -10.51/-9.1       | -7.76/-8.09       | -9.81/-8.84       | -11.23/-15.8      | -9.78/-11.28      | -11.96/-13.12     | -10.38/-11.78     | -12.51/-15.7      |
| Θ(120°)   | -11.25/-10.38 | -7.51/-6.11     | -9.89/-13.32    | -12.58/-11.56   | -13.17/-12.32   | -13.42/-10.68   | -9.43/-3.75     | -10.04/-13.3      | -13.61/-15.28     | -11.43/-8.45      | -12.31/-11.91     | -12.84/-14.72     | -9.83/-8.97       | -11.71/-13.71     | -15.11/-15.38     | -12.38/-10.38     | -13.5/-10.71      | -12.38/-8.99      | -12.78/-15.91     | -13.14/-15.36     | -14.63/-14.66     | -13.78/-13.77     | -11.73/-13.8      | -14.02/-14.23     |
| Θ(127.5°) | -12.2/-9.69   | -8.49/-10.97    | -11.7/-13.67    | -13.43/-12.57   | -13.67/-14.52   | -15.3/-15.04    | -13.33/-14.24   | -12.09/-13.53     | -12.71/-14.3      | -10.39/-9.4       | -11.1/-15.43      | -14.6/-15.16      | -14.87/-14.84     | -15.13/-9.39      | -11.82/-8.42      | -11.1/-15.35      | -15.23/-12        | -15.73/-14.11     | -15.87/-14.61     | -15.66/-12.99     | -12.76/-14.92     | -12/-13.83        | -15.52/-11.45     |                   |
| Θ(135°)   | -8.99/-8.17   | -9.96/-11.01    | -12.58/-15.74   | -14.1/-14.42    | -15.29/-14.91   | -15.79/-15.31   | -14.3/-13.23    | -11.71/-14.07     | -13.05/-14.79     | -14.28/-15.1      | -13.47/-14.77     | -13.37/-12.48     | -12.49/-12.79     | -13.78/-13.55     | -14.29/-14.68     | -13.64/-12        | -12.7/-12.05      | -14.94/-13.29     | -14.79/-13.27     | -15.22/-14.97     | -14.75/-14.84     | -14.28/-15.28     | -15.67/-15.24     | -15.33/-10.23     |
| Θ(142.5°) | -8.38/-8.75   | -9.11/-10.39    | -12.35/-13.64   | -13.3/-14.2     | -14.86/-14.87   | -15.43/-15.46   | -15.39/-13.19   | -12.49/-10.87     | -9.85/-14.7       | -12.96/-11.1      | -9.74/-15.35      | -13.53/-11.8      | -11.84/-15.23     | -16.1/-13.46      | -14.41/-14.87     | -15.31/-13.79     | -12.98/-14.48     | -14.54/-15.39     | -15.04/-15.66     | -14.9/-15.4       | -14.83/-13.65     | -15.24/-12.94     | -13.78/-9.82      | -10.27/-6.67      |
| Θ(150°)   | -11.19/-14.32 | -13.32/-14.19   | -14.48/-15.07   | -15.38/-15.57   | -15.34/-15.11   | -15.57/-15.12   | -15.07/-14.76   | -12.84/-13.42     | -15.48/-15.23     | -11.65/-14.49     | -13.28/-14.64     | -14.85/-12.39     | -13.76/-14.93     | -13.83/-13.99     | -15.57/-13.63     | -14.73/-15.82     | -14.03/-13.75     | -14.35/-14.82     | -14.89/-15.03     | -14.86/-15.52     | -15.8/-15.83      | -15.25/-14.94     | -12.93/-10.71     | -9.2/-8.4         |
| Θ(157.5°) | -13.18/-15.88 | -14.3/-14.82    | -14.27/-13.53   | -14.63/-15.1    | -15.94/-15.47   | -14.98/-15.06   | -15.5/-15.65    | -15.11/-14.64     | -14.3/-14.96      | -15.41/-15.18     | -15.75/-15.02     | -14.94/-15.16     | -14.7/-14.19      | -14.39/-14.15     | -15.51/-14.93     | -15.62/-15.38     | -15.07/-15.81     | -15.2/-15.29      | -14.88/-15.08     | -12.93/-13.44     | -14.21/-14.47     | -15.26/-15.1      | -14.7/-14.89      | -14.63/-13.5      |
| Θ(165°)   | -13.63/-14.95 | -15.46/-14.69   | -15.16/-15.89   | -15.53/-14.91   | -15.92/-15.18   | -15.18/-15.95   | -15.68/-14.48   | -13.65/-12.98     | -13.29/-15.86     | -13.72/-14.34     | -15.21/-14.24     | -15.69/-15.1      | -14.92/-15.8      | -14.7/-14.29      | -14.07/-13.46     | -14.63/-15.68     | -15.15/-14.89     | -15.98/-15.82     | -14.53/-14.79     | -14.85/-13.55     | -13.09/-13.12     | -14.17/-14.23     | -11/-10.65        | -12.02/-11.9      |
| Θ(172.5°) | -15.77/-15.59 | -15.62/-15.51   | -15.17/-15.74   | -15.5/-14.96    | -15.21/-15.2    | -15.68/-15.29   | -14.72/-15.86   | -14.88/-14.08     | -15.64/-15.58     | -15.43/-14.8      | -15.49/-14.52     | -15.31/-14.04     | -15.08/-15.12     | -14.13/-14.47     | -14.61/-14.44     | -14.57/-15.49     | -15.93/-15.11     | -15.3/-15.77      | -15.25/-15.46     | -15.21/-15.35     | -15/-14.83        | -15.75/-15.24     | -14.82/-15.62     | -15.96/-15.22     |
| Θ(180°)   | -14.91/-15.78 | -14.94/-15.78   | -15.3/-15.21    | -14.9/-14.81    | -15.42/-14.73   | -15.03/-14.61   | -15.42/-1       |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



## Sporton International Inc. Hsinchu Laboratory



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(22.5°)  | 0.70/98       | 0.89/102        | 1.56/193        | 1.99/203        | 2.12/202        | 1.25/106        | -1.21/223       | -3.15/454         | -6.87/929         | -10.79/973        | -7.6/532          | -3.49/-186        | -0.85/-29         | 0.35/122          | 1.74/2            | 2.08/202          | 2.08/159          | 0.68/-0.34        | -1.59/-3.06       | -5.34/-8.23       | -12.52/-18.63     | -14.55/-8.34      | -4.25/-1.66       | -0.27/0.78        |
| Θ(30°)    | -0.6/0.18     | 1.01/16         | 1.64/161        | 1.45/117        | 1.1/122         | 0.74/-0.49      | -2.3/-5.36      | -7.02/-6.31       | -7.55/-8.91       | -9.27/-7.96       | -6.52/-5.33       | -4.33/-3.25       | -3.15/-2.6        | -1.01/-0.2        | 0.14/0.31         | 0.96/161          | 2.29/2.7          | 2.33/1.09         | -0.57/-1.82       | -4.04/-6.78       | -11.38/-17.97     | -10.95/-6.45      | -3.77/-1.68       | -1.04/-0.77       |
| Θ(37.5°)  | -0.42/0.55    | 1.11/47         | 1.93/206        | 1.67/102        | 0.69/0.89       | 1.11/0.35       | -1.56/-4.39     | -6.79/-7.71       | -10.81/-13.11     | -11.46/-9.81      | -8.83/-7.67       | -5.61/-3.51       | -1.75/-0.76       | -0.44/-0.31       | 0.33/1            | 1.79/199          | 1.73/142          | 0.53/-0.61        | -1.69/-2.46       | -4.96/-8.03       | -10.38/-14.9      | -11.88/-6.67      | -6.26/-4.52       | -3.53/-1.81       |
| Θ(45°)    | -0.46/0.38    | 0.67/0.98       | 1.31/159        | 1.45/102        | 0.52/0.3        | 0.32/0.35       | -2.28/-4.06     | -5.71/-9.07       | -12.76/-13.1      | -12.26/-10.94     | -10.76/-10.41     | -8.48/-5.11       | -3.25/-2.23       | -1.53/-0.59       | -0.02/0.07        | 0.19/0.32         | 0.29/0.65         | 0.03/-2.12        | -3.36/-3.92       | -7.56/-9          | -9.67/-16.09      | -15.41/-11.03     | -6.81/-5.3        | -3.32/-1.46       |
| Θ(52.5°)  | -1.08/-0.01   | 0.66/0.33       | 0.02/0.3        | 0.15/0.19       | -0.19/-0.29     | -0.17/-1.04     | -2.42/-4.14     | -6.09/-8.86       | -12.36/-16.54     | -16.98/-14.77     | -12.97/-15.65     | -9.21/-5.48       | -3.93/-3.7        | -2.47/-2.73       | -2.23/-0.63       | 0.47/0.02         | -0.91/-1.07       | -0.87/-3.44       | -3.99/-4.71       | -8.48/-11.16      | -12.19/-18.94     | -13.86/-10.85     | -7.47/-6.57       | -3.54/-2.4        |
| Θ(60°)    | -1.94/-69     | -0.67/0.33      | -0.88/-1.27     | -1.17/-0.88     | -1.16/-1.64     | -1.38/-2.01     | -4.3/-6.21      | -6.85/-13.02      | -13.41/-14.92     | -17.87/-16.96     | -13.41/-13.76     | -10.2/-10.25      | -7.52/-5.24       | -4.86/-6.69       | -4.33/-2.34       | -2.88/-1.54       | -2.88/-3.57       | -2.46/-4.04       | -4.65/-6.18       | -9.15/-15.55      | -14.77/-16.62     | -14.77/-10.29     | -8.96/-6          | -3.69/-3.05       |
| Θ(67.5°)  | -3.11/-2.28   | -0.76/-0.57     | -1.32/-1.83     | -1.74/-1.27     | -1.2/-2.45      | -2.98/-3.04     | -5.31/-8.68     | -10.3/-15.28      | -13.46/-17.46     | -18.46/-18.54     | -14.32/-7.76      | -7.44/-9.54       | -8.64/-5.63       | -5.09/-3.73       | -1.37/-0.67       | -0.87/-2.29       | -2.73/-2.99       | -2.23/-3.89       | -4.05/-7.44       | -11.62/-18.01     | -16.08/-18.11     | -14.2/-12.38      | -10.23/-5.12      | -4.09/-3.94       |
| Θ(75°)    | -4.59/-3.44   | -1.76/-1.53     | -1.48/-1.97     | -2.05/-1.55     | -1.91/-3.73     | -4.1/-4.51      | -6.55/-9.39     | -13.43/-14.94     | -15.43/-15.99     | -17.72/-18.4      | -19.06/-9.81      | -6.1/-7.4         | -10.01/-8.97      | -5.82/-3.4        | -1.89/-0.24       | -0.81/-1.05       | -1.27/-1.64       | -1.17/-5.03       | -5.01/-10.87      | -16.81/-18.82     | -16.47/-15.6      | -14.05/-15.04     | -10.74/-5.24      | -5.21/-5.13       |
| Θ(82.5°)  | -6.46/-4.58   | -2.84/-2.44     | -2.17/-2.61     | -2.88/-2.6      | -2.55/-4.29     | -5.49/-4.57     | -7.38/-10.98    | -14.31/-17.95     | -18.89/-15.78     | -17.25/-17.64     | -18.89/-8.93      | -7.23/-6.96       | -14.9/-7.92       | -5.42/-4.16       | -3.29/-1.47       | -1.7/-0.84        | -0.59/-1.83       | -3.26/-6.92       | -19.12/-18.02     | -15.03/-18.28     | -15.28/-16.09     | -10.53/-5.58      | -5.88/-5.94       |                   |
| Θ(90°)    | -7.31/-5.88   | -4.46/-4.05     | -3.35/-3.06     | -3.16/-3.72     | -4.15/-4.66     | -5.94/-6.41     | -8.21/-10.33    | -18.79/-19.01     | -18.46/-17.25     | -18.69/-17.84     | -17.1/-16.84      | -8.96/-7.39       | -13.01/-10.98     | -10.22/-6.72      | -6.73/-4.21       | -4.01/-1.6        | -1.67/-3.63       | -5.86/-9.98       | -14.14/-18.75     | -18.22/-17.64     | -14.23/-18.14     | -16.26/-17.99     | -11.11/-6.56      | -6.73/-7.48       |
| Θ(97.5°)  | -8.61/-6.81   | -6.1/-6.25      | -5.09/-4.53     | -4.34/-4.61     | -4.76/-5.45     | -6.26/-7.6      | -7.8/-11.12     | -13.07/-17.67     | -14.97/-18.17     | -17.23/-17.63     | -14.99/-17.62     | -12.69/-8.6       | -14.21/-13.33     | -16.51/-7.81      | -8.67/-7.99       | -6.55/-4          | -4.82/-8.57       | -11.64/-15.86     | -17.68/-16.35     | -17.24/-16.91     | -15.89/-19.06     | -17.2/-17.52      | -14.75/-8.68      | -8.36/-8.37       |
| Θ(105°)   | -10.06/-7.96  | -6.77/-7.39     | -6.94/-5.71     | -5.44/-5.34     | -5.05/-5.49     | -6.85/-7.64     | -7.97/-9.74     | -10.47/-19.72     | -17.84/-17.67     | -16.33/-18.75     | -18.77/-15.85     | -18.02/-11.82     | -19.07/-11.99     | -10.22/-14.72     | -10.55/-9.15      | -11.63/-18.26     | -18.98/-15.65     | -16.74/-16.49     | -17.86/-17.65     | -17.04/-18.78     | -18.52/-17.66     | -14.82/-10.34     | -9.92/-10.12      |                   |
| Θ(112.5°) | -10.25/-9.96  | -9.41/-9.9      | -7.51/-6.63     | -6.94/-6.95     | -7.28/-6.66     | -7.4/-7.41      | -8.06/-9.6      | -9.24/-14.27      | -12.37/-17.42     | -17.88/-17.98     | -17.67/-18.54     | -18.39/-18.54     | -15.49/-15.5      | -17.43/-14.2      | -14.49/-19.15     | -12.23/-16.34     | -17.08/-17.47     | -18.36/-18.08     | -17.25/-18.88     | -16.15/-18.19     | -18.94/-18.66     | -18.88/-17.86     | -16.99/-12.17     | -12.13/-10.99     |
| Θ(120°)   | -11.74/-9.53  | -10.98/-9.85    | -8.84/-8.67     | -8.98/-8.58     | -9.58/-7.96     | -7.91/-8.12     | -9.17/-9.31     | -9.27/-14.42      | -12.45/-15        | -11.71/-17.63     | -18.19/-103       | -17.48/-17.97     | -18.15/-14.37     | -16.48/-13.33     | -10.68/-11.83     | -15.92/-14.87     | -17.02/-14.04     | -16.17/-17.79     | -18.49/-17.91     | -18.63/-17.49     | -17.85/-18.21     | -17.74/-14.21     | -13.26/-13.16     |                   |
| Θ(127.5°) | -16.05/-13.57 | -12.37/-9.98    | -10.13/-9.65    | -9.35/-9.41     | -9.94/-10.35    | -11.24/-10.67   | -9.67/-10.46    | -10.23/-12.66     | -14.89/-13.35     | -14.78/-18.45     | -18.78/-19.35     | -17.76/-18.2      | -17.99/-18.17     | -18.84/-18.04     | -18.07/-17.57     | -18.06/-14.39     | -18.42/-18.74     | -18.48/-18.86     | -18.06/-17.98     | -18.54/-17.97     | -19.25/-15.11     | -13.29/-13.09     |                   |                   |
| Θ(135°)   | -14.81/-12.78 | -10.55/-11.19   | -11.32/-11.87   | -11.49/-12.09   | -10.78/-11.47   | -12.09/-11.58   | -12.65/-13.13   | -12.36/-12.16     | -14.63/-15.81     | -15.81/-18.11     | -18.59/-18.74     | -18.41/-18.84     | -17.84/-18.8      | -18.84/-17.12     | -18.85/-18.47     | -18.08/-18.9      | -18.82/-17.97     | -17.12/-18.15     | -18.72/-18.05     | -19.23/-17.93     | -18.91/-17.75     | -18.05/-19.28     | -18.98/-18.52     | -18.31/-16.29     |
| Θ(142.5°) | -18.85/-18.43 | -12.73/-11.09   | -10.88/-11.93   | -13.86/-13.76   | -14/-14.42      | -11.45/-15.06   | -13.61/-11.47   | -13.56/-14.31     | -15.74/-17.08     | -19.14/-18.63     | -19.08/-17.73     | -18.83/-18.34     | -18.1/-18.68      | -18.47/-17.13     | -17.78/-18.5      | -19.19/-18.14     | -17.77/-18.23     | -19.23/-18.87     | -19.36/-18.39     | -19.01/-18.84     | -18.01/-18.03     | -18.26/-18.48     | -17.75/-15.58     | -18.25/-13.7      |
| Θ(150°)   | -18.91/-18.37 | -13.71/-10.52   | -9.91/-10.98    | -10.73/-10.79   | -11.59/-12.51   | -13.35/-14.02   | -14.81/-15.88   | -18.76/-15.48     | -17.73/-16.65     | -19.44/-18.71     | -18.09/-18.27     | -18.89/-17.92     | -18.11/-17.91     | -18.17/-18.15     | -18.1/-19.08      | -18.77/-17.98     | -19.24/-17.18     | -17.57/-18.04     | -18.22/-18.02     | -18.22/-18.48     | -18.94/-18.76     | -18.05/-19.09     | -17.96/-17.37     |                   |
| Θ(157.5°) | -18.44/-18.97 | -16.89/-15.04   | -13.94/-12.93   | -13.48/-14.64   | -14.6/-14.83    | -15.73/-16.77   | -15.06/-13.67   | -14.42/-16.32     | -18.06/-19.27     | -18.66/-18.82     | -18.18/-18.7      | -19.25/-18.6      | -18.73/-18.45     | -18.69/-18.23     | -18.97/-17.5      | -17.68/-17.97     | -17.39/-18.43     | -17.6/-17.48      | -17.84/-17.83     | -18.86/-18.07     | -17.81/-18.83     | -18.66/-18.79     | -18.68/-18.1      |                   |
| Θ(165°)   | -18.47/-18.54 | -16.69/-15.6    | -13.88/-12.73   | -12.96/-12.56   | -11.72/-11.29   | -11.57/-12.95   | -14.04/-14.92   | -14.52/-15.65     | -17.42/-18.22     | -18.63/-18.24     | -17.68/-18.7      | -18.45/-18.5      | -17.74/-18.44     | -18.41/-18.73     | -19.02/-18.13     | -17.36/-17.66     | -18.95/-17.86     | -18.05/-18.05     | -18.26/-19.15     | -18.46/-17.09     | -18.82/-19.41     | -19.19/-17.96     | -18.18/-17.79     | -19.14/-17.95     |
| Θ(172.5°) | -17.86/-19.11 | -17.87/-17.16   | -16.88/-15.64   | -14.85/-13.51   | -13.62/-15.39   | -15.18/-14.6    | -15.23/-15.59   | -16.15/-18.02     | -18.78/-18.73     | -18.43/-18.42     | -18.67/-18.47     | -17.95/-18.93     | -18.37/-18.45     | -18.37/-18.53     | -18.28/-18.41     | -18.39/-18.15     | -18.02/-18.09     | -18.62/-17.78     | -18.54/-17.73     | -17.38/-17.94     | -17.9/-19.07      | -18.22/-17.62     | -17.92/-19.18     | -18.18/-18.32     |
| Θ(180°)   | -17.61/-17.81 | -18.07/-18.28   | -18.66/-17.87   | -18.63/-18.36   | -18.66/-16.59   | -17.03/-19.59   | -18.4/-18.41    | -18.91/-17.84     | -18.77/-18.62     | -18.91/-7.38      | -18.59/-18.43     | -17.93/-18.26     | -18.05/-18.85     | -19.35/-17.99     | -18.49/-17.83     | -17.93/-17.53     | -18.81/-17.64     | -17.67/-18        | -18.09/-18.66     | -17.86/-18.3      | -17.71/-18.02     | -17.91/-17.66     | -17.58/-18.37     | -17.74/-18.77     |
| Freq(Hz)  | 5.3GPol       | ThetaAnt. 1     | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 0.38/-0.27    | -2.3/72         | -5.29/-8.31     | -12.99/-18.76   | -17.11/-10.95   | -7.48/-4.16     | -2.29/-1.34     | -0.45/0.39        | 1.08/1.52         | 1.67/1.83         | 2.12/2.03         | 1.74/1.34         | 0.59/-0.71        | -2.26/-3.72       | 6.39/-9.57        | -14.64/-18.54     | -14.1/-8.76       | -5.88/-3.43       | -2.03/-0.94       | 0.06/0.63         | 1.26/1.65         | 1.65/1.66         | 1.78/1.9          | 1.66/1.1          |
| Θ(7.5°)   | 1.04/-0.08    | -1.46/-3.67     | -5.71/-7.8      | -12.66/-18.21   | -14.25/-9       | -6.22/-4.05     | -1.98/-0.69     | 0.16/0.68         | 1.18/1.65         | 1.94/2.42         | <b>2.84/2.81</b>  | 2.52/0.33         | -1.61/-3.3        | -5.43/-8.64       | -12.43/-17.35     | -12.95/-8.2       | -5.59/-3.47       | -1.74/-0.56       | 0.45/0.96         | 1.58/2.06         | 2.19/2.29         | 2.78/2.55         | 2.48/2.05         | 2.60/2.04         |
| Θ(15°)    | 0.78/-0.36    | -1.61/-3.31     | -5.55/-7.73     | -11.34/-16.93   | -15.32/-9.64    | -5.95/-6.68     | -1.89/-0.81     | -0.23/0.18        | 0.64/1.03         | 1.06/1.1          | 1.21/1.32         | 1.17/0.61         | -0.31/-1.39       | -3.19/-5.03       | -7.07/-10.16      | -14.87/-16.12     | -11.07/-6.9       | -4.13/-2.89       | -1.5/-0.3         | 0.92/1.61         | 2.23/2.55         | 2.55/2.53         | 2.48/2.35         | 2.03/1.65         |
| Θ(22.5°)  | 0.14/-1.46    | -2.85/-4.69     | -7.45/-11.35    | -16.18/-18.1    | -12.24/-8.5     | -5.13/-2.72     | -1.08/-0.47     | -0.52/-0.4        | 0.13/0.75         | 1.15/1.36         | 1.18/0.61         | 0.23/0.06         | -0.71/-2.27       | -3.65/-4.28       | -5.53/-8.31       | -12.95/-14.74     | -9.99/-7.29       | -4.39/-2.56       | -1.51/-0.35       | 0.55/0.97         | 1.71/2.26         | 2.52/4.9          | 2.35/2            | 1.68/1.28         |
| Θ(30°)    | -1.07/-1.41   | -2.52/-5.01     | -8.08/-10.73    | -13.18/-12.82   | -9.51/-7.38     | -5.58/-3        | -1.50/-0.82     | -1.31/-1.68       | -1.27/-0.41       | -0.56/-1          | -1.32/-2.07       | -1.61/-1.17       | -2.86/-4.02       | -5.24/-6.02       | -7.53/-9.44       | -10.81/-12.28     | -11.02/-9.03      | -6.85/-3.09       | -1.81/-1.14       | 0.18/0.61         | 1.41/2.4          | 2.47/2.04         | 1.66/0.94         | 1.08/-0.04        |
| Θ(37.5°)  | -1.75/-3.75   | -6.09/-8.5      | -10.63/-13.11   | -16.39/-15.01   | -11.33/-7.61    | -5.97/-4.21     | -2.47/-1.89     | -2.39/-2.29       | -1.16/-0.79       | -1.65/-3.65       | -3.15/-2.29       | -1.35/-2.27       | -3.21/-4.92       | -7.29/-8.98       | -10.54/-12.48     | -12.54/-11.19     | -8.37/-7.89       | -7.67/-4.97       | -3.62/-2.9        | -1.19/-0.61       | 0.62/0.05         | 1.95/0.88         | -0.12/-1.26       | -1.11/0.43        |
| Θ(45°)    | -2.24/-5      | -6.97/-9.45     | -13.16/-18.72   | -18.18/-17.2    | -16.05/-11.92   | -8.12/-5.16     | -3.17/-3.26     | -3.27/-1.89       | -1.58/-2.54       | -3.1/-4.17        | -3.49/-3.58       | -3/-3.3           | -4.27/-6.91       | -9.61/-10.36      | -9.69/-11.71      | -16.15/-15.79     | -12.57/-8.68      | -7.34/-7.1        | -5.17/-4.36       | -2.72/-1.95       | -1.91/-0.4        | 0.48/0.26         | -0.62/-2.1        | -0.55/-0.65       |
| Θ(52.5°)  | -2.43/-67     | -9.24/-12.04    | -18.19/-19.3    | -18.31/-14.45   | -13.31/-13.52   | -9.84/-5.66     | -3.46/-3.73     | -2.8/-2.29        | -2.62/-2.38       | -2.34/-2.58       | -2.83/-4.35       | -3.47/-0.52       | -7.33/-8.18       | -6.86/-10.94      | -2.69/-4.71       | -5.45/-18.45      | -16.27/-13.94     | -8.93/-7.77       | -6.85/-4.72       | -3.21/-3.32       | -2.49/-1.09       | -1.14/-1.08       | -1.54/-2.92       | -1.73/-2.84       |
| Θ(60°)    | -4.39/-8.85   | -15.71/-19.17   | -17.42/-15.24   | -17.87/-16.58   | -15.13/-15.09   | -10.89/-6.71    | -3.95/-4.61     | -3.63/-3.94       | -5/-3.8           | -2.78/-2.74       | -3.69/-5.54       | -5.35/-5.72       | -6.13/-7.86       | -9.65/-9.77       | -10.37/-9.2       | -10.99/-18.55     | -17.09/-18.82     | -14.82/-9.55      | -8.09/-5.05       | -4.22/-3.3        | -4.42/-3.19       | -3.89/-2.57       | -2.06/-3.22       | -3.45/-3.49       |
| Θ(67.5°)  | -6.11/-6.68   | -12.25/-19      | -18.54/-16.1    | -17.47/-17.99   | -16.12/-12.28   | -9.33/-7.02     | -5.28/-8.46     | -4.57/-5.71       | -7.39/-5.89       | -3.67/-3.7        | -5.14/-7.78       | -6.24/-4.26       | -6.87/-7.42       | -11.13/-10.26     | -9.45/-10.29      | -12.38/-18.25     | -18.62/-18.55     | -15.34/-9.12      | -7.2/-4.8         | -4.25/-3.78       | -4.9              |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(67.5°)  | -2.38/-1.63   | -1.3/-0.94      | -0.58/-0.46     | -0.21/-1.66     | -2.58/-2.92     | -4.86/-6.2      | -7.88/-8.92     | -9.08/-10.55      | -18.28/-15.25     | -18.65/-18.23     | -18.7/-15.36      | -10.49/-13.26     | -8.5/-8.54        | -10.03/-8.57      | -4.88/-3.42       | -2.91/-4.32       | -5.44/-5.71       | -5.13/-4.11       | -4.63/-6.31       | -12.54/-14.03     | -13.34/-18.02     | -17.9/-14.6       | -9.72/-7.2        | -5.18/-3.48       |
| Θ(75°)    | -3.28/-2.81   | -2.43/-2.35     | -1.61/-1.77     | -1.54/-2        | -3.06/-3.23     | -4.44/-5.95     | -9.34/-10.33    | -11.51/-16.51     | -13.06/-17.52     | -18.09/-17.9      | -16.68/-11.54     | -7/-11.08         | -10.89/-9.94      | -8.58/-6.4        | -3/-1.76          | -1.59/-3.32       | -2.55/-2.56       | -3.52/-2.95       | -4.41/-6.67       | -13.95/-15.28     | -14.19/-17.15     | -19.12/-16.37     | -11.5/-7.42       | -6.08/-4.22       |
| Θ(82.5°)  | -4.57/-3.67   | -4.16/-4.06     | -2.99/-3.39     | -3.24/-2.92     | -3.74/-4.11     | -6.02/-5.69     | -9.17/-11.52    | -13.92/-17.72     | -14.7/-17.97      | -19/-9.7          | -6.5/-10.97       | -13.91/-14.91     | -7.87/-6.16       | -3.78/-1.89       | -1.52/-2.74       | -1.98/-2.29       | -3.46/-4.63       | -6.55/-10.28      | -18.55/-19.21     | -16.65/-15.58     | -16.65/-17.6      | -11.48/-9.23      | -7.13/-5.93       |                   |
| Θ(90°)    | -5.94/-5.04   | -5.22/-4.92     | -3.93/-4.33     | -4.01/-4.02     | -4.83/-4.77     | -6.43/-4.89     | -8.46/-10.1     | -13.18/-17.39     | -16.81/-18.15     | -17.18/-18.54     | -18.66/-18.24     | -9.53/-11.3       | -13.55/-17.7      | -10.1/-7.43       | -7.54/-3.15       | -3.09/-3.15       | -1.81/-3.33       | -5.8/-7.13        | -11.27/-15.11     | -18.56/-18.68     | -15.05/-17.56     | -19.07/-15.45     | -13.5/-10.63      | -8.76/-6.78       |
| Θ(97.5°)  | -7.25/-7.38   | -6.87/-5.87     | -5.33/-5.46     | -4.86/-4.9      | -6.28/-6.72     | -6.36/-6.14     | -8.34/-9.47     | -12.87/-12.72     | -17.93/-16.48     | -18.56/-17.84     | -17.45/-17.57     | -13.06/-8.91      | -17.18/-19.01     | -13.2/-10.14      | -10.53/-8.17      | -9.19/-5.74       | -5.42/-7.58       | -11.01/-13.33     | -19/-18.15        | -18.92/-16.92     | -16.21/-15.78     | -16.63/-14.76     | -13.83/-12.42     | -11.78/-9.87      |
| Θ(105°)   | -7.96/-9.06   | -9.24/-7.19     | -6.55/-7.03     | -6.63/-6.19     | -6.7/-6.04      | -5.83/-6.84     | -9.89/-14.37    | -18.4/-16.06      | -18.15/-          | -13.72/-14.99     | -17.36/-13.18     | -14.34/-12.94     | -17.59/-15.26     | -12.61/-12.9      | -14.58/-9.03      | -10.46/-17.2      | -18.2/-18.26      | -18.42/-18.03     | -18.59/-16.46     | -13.63/-16.35     | -17.05/-14.9      | -13.17/-16.06     | -13.36/-11.35     |                   |
| Θ(112.5°) | -11.28/-9.76  | -10.43/-8.99    | -7.74/-7.79     | -6.34/-6.36     | -7.41/-7.36     | -7.73/-7.16     | -9.27/-8.04     | -8.63/-14.51      | -13.63/-16.88     | -17.56/-18.05     | -15.14/-12.91     | -18.48/-17.85     | -15.39/-16.18     | -17.94/-12.13     | -13.42/-13.67     | -10.66/-9.25      | -14.34/-15.9      | -19.5/-17.5       | -17.84/-17.18     | -18.21/-18.81     | -16.23/-15.21     | -18.31/-15.7      | -17.12/-17.92     | -14.05/-13.14     |
| Θ(120°)   | -14.19/-12.74 | -11.22/-8.37    | -9.97/-9.42     | -9.02/-10.1     | -9.99/-9.2      | -8.07/-8.93     | -9.59/-9.58     | -8.08/-13.18      | -11.44/-13.05     | -17.61/-18.21     | -17.69/-18.8      | -17.76/-19.18     | -19.44/-17.66     | -17.86/-13.02     | -15.63/-16.35     | -9.84/-11.41      | -12.41/-15.91     | -18.44/-14.93     | -16.47/-12.01     | -16.94/-18.09     | -17.1/-18.56      | -18.53/-15.71     | -18.43/-18.25     | -15.22/-11.66     |
| Θ(127.5°) | -14.38/-16.69 | -13.5/-10.69    | -9.57/-9.76     | -9.78/-9.6      | -8.77/-8.51     | -10.14/-11.09   | -8.25/-9.67     | -11.16/-10.13     | -11.47/-13.81     | -16.73/-18.92     | -18.35/-18.26     | -15.09/-13.98     | -17.66/-17.73     | -17.6/-18.73      | -19.03/-15.41     | -18.73/-17.8      | -18.61/-17.87     | -18.88/-18.91     | -18.68/-18.86     | -18.22/-18.28     | -18.2/-18.13      | -16.88/-17.83     | -17.22/-18.11     | -17.17/-12.91     |
| Θ(135°)   | -14.71/-16.54 | -16.33/-14.23   | -10.22/-9.69    | -10.98/-13.1    | -11.55/-9.14    | -9.49/-10.88    | -14.28/-10.11   | -13.97/-10.04     | -10.23/-18.89     | -17.66/-18.5      | -19/-15.2         | -18.67/-17.98     | -18.56/-18.51     | -19.02/-12.41     | -13.08/-17.93     | -18.22/-18.31     | -18.75/-19.43     | -19.12/-18.63     | -18.62/-19.05     | -19.06/-18.99     | -18.58/-18.09     | -18.07/-18.48     | -19.09/-18.5      | -17.98/-15.36     |
| Θ(142.5°) | -16.86/-18.82 | -18.86/-17.09   | -13.01/-9.49    | -9.45/-11.64    | -12.87/-13.67   | -12.01/-12.65   | -13.63/-14.01   | -11.92/-16.49     | -18.79/-14.86     | -17.88/-18.51     | -18.02/-10.3      | -14.16/-12.77     | -18.01/-17.95     | -18.24/-18.34     | -18.47/-17.29     | -17.65/-18.19     | -19.31/-17.78     | -17.3/-18.85      | -18.72/-18.65     | -19.08/-17.9      | -17.49/-17.92     | -19.06/-18.5      | -18.57/-18.47     | -17.73/-15.76     |
| Θ(150°)   | -18.75/-18.46 | -18.85/-14.22   | -11.82/-11.39   | -11.65/-10.51   | -10.54/-12.04   | -15.73/-14.45   | -11.22/-13.46   | -17.99/-18.38     | -18.09/-17.4      | -18.34/-18.58     | -18.76/-18.27     | -18.49/-17.35     | -16.97/-19        | -18.52/-17.86     | -18/-17.59        | -18.97/-18.14     | -18.37/-17.77     | -18.26/-18.33     | -18.37/-17.66     | -18.32/-18.49     | -18.55/-18.41     | -18.41/-17.81     | -16.62/-18.28     | -18.78/-17.53     |
| Θ(157.5°) | -19.15/-18.81 | -17.38/-18.35   | -19.1/-15.9     | -15.16/-14.22   | -13.45/-13.9    | -14.51/-16.55   | -18.37/-17.79   | -18.71/-8.89      | -17.74/-18.3      | -18.16/-18.95     | -18.41/-18.82     | -17.53/-17.95     | -17.29/-18.18     | -17.69/-16.73     | -15.59/-17.85     | -17.08/-18.1      | -18.79/-18.41     | -18.16/-18.82     | -17.14/-16.57     | -16.21/-18.14     | -17.69/-19.07     | -18.02/-17.06     | -17.58/-17.28     | -18.22/-18.88     |
| Θ(165°)   | -19.08/-18.14 | -18.35/-14.73   | -18.44/-18.12   | -17.63/-18.84   | -14.39/-16.45   | -17.31/-18.3    | -17.71/-15.99   | -16.63/-18.94     | -19.05/-18.77     | -19.2/-18.65      | -18.03/-17.47     | -18.67/-18.56     | -18.41/-17.22     | -18.39/-18.16     | -18.35/-19.02     | -17.78/-15.04     | -12.58/-12.46     | -12.92/-13.55     | -15.73/-17.98     | -17.62/-18.09     | -18.83/-18.27     | -18.52/-18.39     | -18.15/-18.13     |                   |
| Θ(172.5°) | -18.19/-18.55 | -18.21/-18.56   | -18.27/-19.08   | -17.89/-18.99   | -19.19/-19.31   | -18.02/-18.61   | -17.68/-16.28   | -17.89/-18.86     | -17.45/-18.66     | -18.15/-18.44     | -17.8/-19.4       | -19.48/-18.25     | -18.28/-18.26     | -17.17/-17.66     | -17.57/-15.91     | -15.16/-15.55     | -17.52/-18.04     | -17.52/-18.86     | -18.61/-19.15     | -17.97/-19.25     | -19/-19.21        | -18.19/-18.7      |                   |                   |
| Θ(180°)   | -18.69/-17.64 | -19.1/-18.73    | -18.83/-18.53   | -17.81/-19.01   | -19.03/-18.66   | -15.81/-15.96   | -18.95/-17.99   | -18.56/-18.47     | -18.03/-18.16     | -17.82/-17.88     | -17.95/-18.6      | -17.91/-18.44     | -18.54/-18.01     | -18.49/-17.84     | -17.92/-18.26     | -17.71/-18.31     | -17.72/-18.06     | -18.72/-18.77     | -18.5/-18.68      | -18.34/-17.91     | -18.75/-18.98     | -19.05/-17.95     | -18.15/-19.32     | -18.08/-18.08     |
| Freq(Hz)  | 5.875GPol.    | ThetaAnt.1      | +               | +               | +               | +               | +               | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 |                   |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 1.560/33      | -0.93/-2.87     | 4.83/-8.14      | -15.38/-18.07   | -12.79/-6.67    | 4.13/-2.13      | -0.550/-77      | 1.692/54          | 3.073/32          | 3.553/61          | 3.643/43          | 2.9/28            | 1.6/6             | -1.29/-3.64       | 6.24/-10.45       | -18.9/-16.75      | -9.35/-5.62       | -2.91/-0.93       | 0.22/1.14         | 2/265             | 3/33              | 3.423/57          | 3.523/08          | 2.78/5.3          |
| Θ(7.5°)   | 0.86/-0.35    | -2.17/-4.1      | -6.84/-10.7     | -18.02/-18.23   | -11.02/-6.91    | -3.84/-2.23     | -1.140/-16      | 1.3/2.5           | 2.733/11          | 3.343/37          | 3.223/05          | 2.41/-57          | 0.950/-0.4        | -1.78/-3.66       | -6.78/-11.65      | -17.72/-15.71     | -8.91/-8.45       | -2.32/-0.29       | 0.82/1.74         | 2.763/21          | 3.754/15          | 4.314/35          | 4.153/46          | 2.61/8            |
| Θ(15°)    | 0.77/-0.48    | -2.4/0.3        | -7.02/-10.86    | -19.02/-17.93   | -13.44/-9.01    | -5.773/5.2      | -2.03/-0.57     | 0.591/37          | 1.812/17          | 2.442/6           | 2.682/48          | 1.871/22          | 0.64/-0.04        | -1.41/-3.87       | -6.71/-11.43      | -17.36/-18.16     | -11.3/-6.62       | -3.54/-1.29       | 0.221/3.6         | 2.372/94          | 3.434/66          | 3.944/06          | 3.83/45           | 2.72/17           |
| Θ(22.5°)  | 0.850         | -1.9/-4.28      | -6.85/-10.29    | -14.12/-13.09   | -9.22/-6.89     | -5.12/-3.99     | -2.28/-1.2      | -0.65/-0.28       | 0.280/58          | 0.460/3           | 0.76/1.24         | 0.72/-0.04        | -0.93/-2.42       | -4.17/-6.05       | -8.29/-11.44      | -16.32/-17.44     | -11.02/-8.16      | -5.49/-3.55       | -2.18/-1.02       | 0.62/2.01         | 2.873/07          | 3.312/95          | 2.372/26          | 2.13/1.72         |
| Θ(30°)    | 0.14/-0.86    | -3.42/-6.21     | -9.57/-14.48    | -17.45/-16.17   | -12.54/-8.26    | -5.95/-4.16     | -1.96/-2.19     | -1.47/-1.15       | -0.96/-0.39       | 0.120/15          | -0.050/-43        | -0.71/-1.88       | -2.49/-4.22       | -5.45/-6.23       | -7.24/-9.7        | -15.85/-18.14     | -13.69/-8.15      | -6.44/-4.48       | -2.75/-2.5        | -1.170/8.4        | 1.671/44          | 1.411/32          | 1.271/56          | 1.610/93          |
| Θ(37.5°)  | -0.97/-1.69   | -3.78/-7.55     | -12.66/-18.39   | -17.38/-16.97   | -11.13/-9.43    | -5.59/-5.65     | -3.54/-2.68     | -2.53/-2.42       | -1.84/-1.75       | -3.07/-2.86       | -3.51/-3.04       | -4.61/-5.96       | -7.24/-9.55       | -13.12/-12.87     | -13.82/-17.85     | -17.98/-18.36     | -5.32/-4.64       | -2.96/-1.94       | -1.58/-0.5        | 0.830/88          | 0.970/34          | 1.061/33          | 0.71/-0.44        |                   |
| Θ(45°)    | -1.51/-3.55   | -7.43/-12.14    | -19.48/-19.25   | -19.07/-18.94   | -13.08/-10.52   | -8.63/-7.46     | -5.12/-3.62     | -4.14/-3.8        | -3.34/-2.97       | -3.05/-4.85       | -6.48/-5.99       | -5.52/-3.56       | -4.8/-6.18        | -9.68/-12.6       | -18.94/-18.85     | -18.35/-18.44     | -14.46/-8.16      | -4.7/-3.84        | -3.07/-1.36       | -1.63/-1.24       | -0.010/-46        | 0.51/-1.79        | -0.98/-0.34       | -0.5/-1.01        |
| Θ(52.5°)  | -2.45/-3.42   | -6.6/-9.95      | -10.14/-15.74   | -18.26/-17.59   | -15.34/-9.22    | -7.33/-4.75     | -5.4/-3.77      | -3.76/-3.77       | -3.83/-2.34       | -3.57/-5.46       | -5.81/-8.43       | -5.53/-6.06       | -8.68/-12.02      | -9.62/-9.35       | -11.91/-16.37     | -19/-15.88        | -9.6/-4.96        | -3.08/-3.13       | -3.06/-2.51       | -2.16/-2.63       | -1.14/-0.84       | -0.38/-0.37       | -2.61/-2.3        | -2.22/-2.62       |
| Θ(60°)    | -5.64/-7.2    | -8.14/-8.99     | -9.63/-15.29    | -19.02/-14.49   | -11.41/-7.24    | -6.09/-6.55     | -6/-7.78        | -3.74/-3.79       | -4.71/-2.95       | -3.14/-9.6        | -5.03/-5.14       | -7.31/-7.21       | -7.54/-9.84       | -10.87/-7.3       | -9.54/-9.35       | -13.52/-14.05     | -10.08/-7.3       | -6.59/-6.55       | -4.82/-3.74       | -2.76/-4.16       | -3.86/-3.4        | -1.88/-3.67       | -5.07/-6.63       | -5.49/-4.76       |
| Θ(67.5°)  | -6.83/-8.82   | -13.4/-12.65    | -13.4/-13.33    | -14.05/-9.71    | -9.28/-8.36     | -5.94/-5.1      | -5.69/-4.69     | -3.92/-4.09       | -5.89/-4.72       | -3.76/-5.5        | -5.52/-6.83       | -8.62/-7.41       | -5.94/-6.68       | -8.81/-8.16       | -9.1/-9.23        | -11.52/-12.7      | -12.79/-11.33     | -8.96/-7.77       | -5.99/-3.66       | -2.91/-4.95       | -4.76/-4.22       | -4.89/-4.95       | -6.37/-7.72       | -7.77/-5.89       |
| Θ(75°)    | -9.15/-10.01  | -12.54/-16.38   | -16.63/-13.95   | -11.5/-8.73     | -8.95/-9.26     | -6.85/-5.18     | -5.04/-5.17     | -4.42/-5.27       | -6.68/-6.97       | -4.59/-6.03       | -5.61/-5.66       | -10.36/-11.71     | -6.84/-10.73      | -11.22/-9.08      | -8.59/-10.25      | -11.64/-13.41     | -18.17/-12.93     | -9.38/-6.94       | -4.58/-5.28       | -3.56/-6.22       | -5.46/-5.75       | -7.48/-5.36       | -6.55/-7.7        | -8.24/-6.83       |
| Θ(82.5°)  | -15.16/-10.31 | -11.47/-18.05   | -16/-12.45      | -11.27/-10.12   | -9.21/-9.61     | -7.42/-5.69     | -5.71/-5.63     | -4.55/-6.65       | -6.08/-9.1        | -7.37/-5.1        | -6.45/-7.29       | -11.34/-10.01     | -7.6/-12.44       | -12.57/-9.56      | -8.82/-10.58      | -12.69/-14.55     | -15.77/-11.1      | -7.41/-4.94       | -4.53/-3.48       | -6.49/-7.8        | -7.23/-7.73       | -9.89/-5.06       | -6.91/-10.63      | -8.92/-7.51       |
| Θ(90°)    | -17.42/-11.41 | -12.71/-18.02   | -17.98/-12.73   | -11.29/-12.36   | -11.5/-12.07    | -8.94/-7.3      | -6.19/-7.14     | -5.56/-6.1        | -8.11/-12.07      | -10.77/-9.9       | -9.77/-9.93       | -11.99/-13.32     | -11.42/-17.96     | -12.96/-9.78      | -10.88/-12.1      | -15.01/-18.8      | -18.86/-10.42     | -8.24/-63         | -6.05/-4.29       | -9.41/-11.58      | -10.9/-10.77      | -10.22/-7.17      | -10.2/-15.46      | -8.28/-8.45       |
| Θ(97.5°)  | -17.43/-14.38 | -15.71/-18.41   | -18.03/-12.98   | -12.19/-14.13   | -14.41/-15.43   | -9.82/-8.86     | -8.66/-7.71     | -7.25/-8.12       | -9.17/-16.09      | -16.17/-16.26     | -13.15/-14.22     | -13.03/-11.35     | -18.21/-18.36     | -13.15/-10.06     | -14.27/-17.51     | -18.18/-19.14     | -17.93/-12.42     | -8.25/-7.02       | -9.07/-7.59       | -15.3/-13.94      | -16.21/-15.72     | -13.29/-9.82      | -16.09/-15.58     | -8.31/-10.92      |
| Θ(105°)   | -18.42/-12.86 | -14.47/-17.74   | -13.87/-13.46   | -15.21/-14.06   | -19.13/-18.64   | -14.96/-11.36   | -11.63/-10.38   | -9.84/-10.94      | -15.12/-15.99     | -14.05/-15.37     | -16.69/-12.56     | -12.28/-18.07     | -12.75/-17.17     | -15.37/-12.24     | -13.62/-17.16     | -15.33/-19.02     | -18.24/-18.21     | -12.92/-11.9      | -14.61/-11.9      | -17.83/-17.79     | -18.1/-18.66      | -13.02/-14.23     | -15.18/-15.68     | -10.13/-9.35      |
| Θ(112.5°) | -18.68/-17.54 | -17.59/-14.05   | -12.26/-14.67   | -17.42/-16.83   | -18.47/-16.03   | -15.22/-15.61   | -11.42/-13.67   | -14.49/-18.03     | -16.44/-16.97     | -12.55/-11.23     | -16.34/-15.33     | -12.75/-15.49     | -18.36/-17.99     | -14.72/-17.75     | -16               |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(120°)   | -14.11/-11.4  | -10.18/-12.14   | -8.72/-7.34     | -7.72/-7.84     | -8.14/-7.89     | -9.79/-10.24    | -7.71/-8.65     | -9.17/-7.33       | -13.44/-10.11     | -14.66/-18.61     | -18.54/-17.93     | -11.93/-18.03     | -18.33/-17.46     | -19.05/-12.4      | -18.37/-11.9      | -9.38/-12.59      | -14.21/-16.91     | -15.02/-12.7      | -14.01/-14.03     | -19.3/-19         | -18.44/-14.83     | -17.78/-16.78     | -14.62/-17.66     | -14.94/-15.71     |
| Θ(127.5°) | -12.46/-14.64 | -16.99/-13.14   | -8.7/-7.93      | -7.28/-8.15     | -9.29/-9.37     | -8.83/-11.84    | -8.75/-9.59     | -8.41/-7.89       | -9.01/-12.51      | -14.29/-18.99     | -17.99/-18.4      | -12.62/-16.98     | -18.-17/65        | -17.96/-15.09     | -17.14/-12.14     | -16.34/-18.16     | -17.63/-19.03     | -18.44/-18.98     | -18.9/-18.82      | -18.41/-19.26     | -18.92/-18.56     | -17.78/-17.2      | -17.32/-18.12     | -17.25/-14.18     |
| Θ(135°)   | -14.65/-16.44 | -14.93/-13.61   | -14.4/-11.03    | -8.83/-7.85     | -7.39/-8.16     | -8.78/-9.56     | -9.55/-8.77     | -9.44/-11.64      | -10.22/-11.54     | -18.49/-18.42     | -17.58/-16.72     | -18.17/-18.54     | -19.3/-17.98      | -17.36/-11.63     | -10.53/-15.03     | -17.87/-18.8      | -19.06/-18.33     | -18.55/-18.24     | -18.64/-17.41     | -16.77/-18.25     | -19.12/-18.75     | -16.92/-18.83     | -16.76/-17.93     | -15.97/-14.02     |
| Θ(142.5°) | -16.98/-18.55 | -17.41/-17.86   | -15.04/-13.33   | -12.8/-11.07    | -11.76/-12.15   | -9.58/-9.49     | -10.43/-13.98   | -15.12/-14.22     | -18.36/-18.92     | -18.24/-18.25     | -17.49/-19.25     | -16.19/-13.48     | -17.42/-12.77     | -14.59/-17.29     | -17.55/-17.51     | -17.78/-18.91     | -18.97/-18.07     | -14.3/-14.03      | -15.89/-17.6      | -17.51/-18.99     | -17.89/-18.39     | -18.44/-18.11     | -18.06/-17.54     | -17.56/-17.55     |
| Θ(150°)   | -17/-18.65    | -16.31/-13.31   | -10.99/-9.65    | -10.11/-10.87   | -13.22/-13.35   | -12.69/-14.18   | -15.18/-15.65   | -17.53/-18.48     | -17.59/-18.83     | -18.26/-17.93     | -17.36/-18.47     | -18.63/-18.55     | -18.28/-18        | -18.24/-18.56     | -17.63/-18.74     | -18.4/-18.38      | -17.44/-18.38     | -18.46/-19.17     | -18.17/-17.91     | -15.34/-17.48     | -18.17/-18.01     | -17.46/-17.2      | -19.34/-18.8      | -16.64/-17.97     |
| Θ(157.5°) | -18.5/-17.9   | -16.7/-15.24    | -15.33/-14.42   | -14.01/-13.14   | -14.38/-13.69   | -13.38/-13.53   | -15.21/-15.11   | -15.23/-17.37     | -18.77/-17.41     | -18.91/-17.76     | -18.22/-18.7      | -18.22/-17.53     | -18.55/-16.61     | -14.28/-18.04     | -18.69/-19.3      | -17.74/-18.63     | -18.78/-18.12     | -19.06/-19.08     | -19.01/-18.62     | -17.81/-18.02     | -18.53/-17.86     | -18.54/-17.28     | -18.49/-18.67     | -18.-18/77        |
| Θ(165°)   | -18.01/-18.61 | -18.52/-16.27   | -16.45/-16.1    | -17.19/-18.52   | -17.94/-16.06   | -14.21/-13.72   | -14.31/-14.2    | -18.1/-18.22      | -17.87/-18.65     | -18.9/-17.32      | -18.83/-17.47     | -18.31/-18.93     | -18.21/-18.85     | -18.51/-18.79     | -17.12/-18.04     | -18.03/-18.97     | -18.94/-18.56     | -18.64/-18.72     | -18.46/-18.81     | -18.38/-17.11     | -18.49/-18.58     | -18.56/-18.87     | -17.29/-18.27     | -17.96/-17.61     |
| Θ(172.5°) | -18.16/-19.08 | -18.13/-18.86   | -18.58/-18.67   | -18.5/-18.07    | -18.18/-16.99   | -16.38/-16.29   | -15.83/-19.11   | -18.63/-18.62     | -18.66/-17.83     | -18.51/-18.4      | -18.09/-17.68     | -18.72/-18.49     | -18.22/-19.16     | -18.02/-17.4      | -16.99/-16.31     | -15.01/-16.24     | -16.53/-18.54     | -18.52/-17.76     | -17.88/-18        | -18.06/-17.54     | -18.39/-19.09     | -18.47/-17.93     | -18.22/-17.9      | -18.54/-18.8      |
| Θ(180°)   | -17.94/-19.11 | -17.8/-15.69    | -16.83/-16.07   | -14.73/-16.88   | -16.85/-16.5    | -18.69/-19.03   | -17.83/-17.38   | -18.26/-18.35     | -17.85/-17.92     | -18.64/-18.14     | -18.02/-18.69     | -19.05/-17.85     | -18.54/-18.93     | -18.05/-16.68     | -18.53/-19.1      | -19.17/-17.83     | -18.51/-17.84     | -16.81/-17.38     | -17.17/-17.36     | -18.84/-18.19     | -18.88/-19.23     | -17.92/-17.58     | -18.4/-17.79      | -18.46/-18.5      |
| Freq(Hz)  | 6.175GPol.    | ThetaAnt. 1     | +               | +               | +               | +               | +               | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 | +                 |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 3/1.8         | 0.71/-1.06      | -3.98/-8.33     | -16.61/-19.04   | -9.27/-4.77     | -2.31/0         | 1.793/1         | 3.984/45          | 4.775/55          | 5.34/-39          | 5.465/24          | 4.683/97          | 3.122/06          | 0.72/-1.36        | -4.38/-9.25       | -17.79/-14.31     | -7.8/-3.62        | -1.05/1.09        | 2.64/637          | 4.485/06          | 5.55/73           | 5.746/71          | 5.73/54           | 4.884/07          |
| Θ(7.5°)   | 2.721/3.4     | -0.13/-1.15     | -3.92/-8.1      | -15.86/-19.13   | -10.34/-5.32    | -2.56/-0.33     | 1.633/01        | 4.154/88          | 5.434/54          | <b>5.845/78</b>   | 5.635/36          | 4.694/63          | 2.641/54          | 0.31/-1.87        | -4.68/-9.65       | -15.87/-14.42     | -6.92/-3.37       | -1.13/0.62        | 2.11/505          | 3.834/43          | 4.885/26          | 5.365/28          | 5.054/75          | 4.443/75          |
| Θ(15°)    | 2.94/1.81     | 0.23/-1.93      | -4.46/-8.64     | -15.36/-17.8    | -11.77/-6.43    | -3.32/-1.91     | -0.14/1.51      | 2.84/346          | 4.054/46          | 4.744/6           | 4.674/66          | 4.243/38          | 2.41/1.51         | 0.26/-1.17        | -3.81/-7.87       | -15.5/-18.8       | -9.37/-4.54       | -2.02/0.07        | 1.53/255          | 3.09/396          | 4.52/474          | 4.654/48          | 4.27/4.22         | 4.143/49          |
| Θ(22.5°)  | 1.9/0.4       | -1.79/-4.12     | -5.77/-9.36     | -13.76/-18.45   | -12.16/-6.67    | -3.09/-1.24     | 0.46/1.59       | 2.382/59          | 2.64/2.7          | 2.822/34          | 2.082/15          | 2.71/2.28         | 0.97/0.39         | -0.05/-0.23       | -5.13/-8.39       | -12.43/-17.66     | -12.17/-6.23      | -3.42/-0.89       | 1.36/276          | 3.13/351          | 3.984/25          | 3.973/57          | 3.67/4.1          | 4.012/98          |
| Θ(30°)    | 0.79/-0.39    | -2.45/-5.79     | -9.68/-14.57    | -17.85/-16.63   | -9.37/-5.33     | -2.8/-1.28      | -0.11/68        | 2.221/9           | 1.581/28          | 1.461/39          | 1.220/11          | 0.59/-0.59        | -0.76/-1.03       | -2.55/-3.46       | -4.18/-6.87       | -14.85/-18.71     | -9.86/-5.55       | -2.89/-1.35       | 0.51/234          | 3.17/338          | 3.55/386          | 3.543/83          | 4.059/84          | 2.581/24          |
| Θ(37.5°)  | 0.46/-1.03    | -3.46/-6.45     | -11.53/-16.43   | -15.91/-15.26   | -9.35/-4.92     | -2.22/-1.4      | -1.68/0.11      | 1.04/0.7          | 0.82/1.02         | 0.64/-0.12        | 0.75/-0.97        | -2.18/-2.59       | -3.07/-5.31       | -4.56/-4.04       | -6.02/-9          | -15.93/-16.15     | -8.94/-4.92       | -2.16/-0.5        | 0.49/0.99         | 2.98/394          | 3.58/342          | 2.063/03          | 3.3/2.6           | 1.51/1.26         |
| Θ(45°)    | -0.84/-2.14   | -3.8/-4.7       | -5.02/-7.96     | -8.47/-8.23     | -10.6/-6.36     | -4.66/-3.97     | -4.18/-2.95     | -1/0.19           | -1.23/-2.45       | -1.78/-1.55       | -0.6/-3.3         | -3.84/-3.38       | -3.77/-4.83       | -7.01/-7.84       | -7.24/-11.56      | -18.41/-12.22     | -6.62/-3.85       | -2.45/-1.05       | 0.25/-0.05        | 1.252/64          | 2.38/229          | -0.01/0.96        | 1.11/0.03         | -0.02/-0.82       |
| Θ(52.5°)  | -2.24/-4.58   | -5.85/-6.68     | -8.85/-8.65     | -8.47/-6.7      | -7.32/-9.17     | -7.08/-6.21     | -6.07/-4.06     | -2.75/-3.15       | -3.63/-1.99       | -2.85/-3.08       | -3.43/-4.47       | -3.9/-5.46        | -7.17/-7.24       | -9.15/-9.7        | -13.1/-12.35      | -10.53/-7.12      | -3.77/-2.22       | -2.85/-2.84       | -1.85/-0.01       | -1.03/-0.05       | -0.24/0.17        | -0.61/0.59        | -0.29/-0.16       | -1.11/-1.03       |
| Θ(60°)    | -2.59/-3.76   | -6.55/-6.68     | -14.85/-13.57   | -17.94/-9.47    | -9.4/-11.03     | -7.08/-4.16     | -6.43/-4.16     | -3.72/-3.23       | -3.75/-2.99       | -2.1/-1.61        | -3.14/-0.1        | -3.13/-4.57       | -7.62/-18.63      | -11.32/-6.18      | -9.12/-6.78       | -9.32/-8.45       | -6.91/-4.06       | -4.57/-6.51       | -5.37/-2.49       | -3.56/-2.51       | -2.92/-2.53       | -0.62/0.44        | -1.04/-1.05       | -2.3/-2.38        |
| Θ(67.5°)  | -5.52/-5.35   | -7.72/-12.35    | -14.01/-11.25   | -9.68/-11.99    | -11.55/-11.56   | -7.36/-3.53     | -5.12/-3.88     | -4/-2.35          | -3.66/-4.25       | -1.42/-0.88       | -3.84/-3.93       | -4.93/-5.76       | -7.89/-12         | -8.06/-5.01       | -5.84/-9.2        | -10.43/-7.79      | -9/0.19.4         | -8.4/-8.38        | -5.55/-3.55       | -4.05/-4.85       | -5.26/-3.85       | -1.75/-1.41       | -2.01/-2.55       | -4.63/-5.35       |
| Θ(75°)    | -9.94/-9.7    | -11.12/-9.11    | -11.48/-11.38   | -9.66/-13.35    | -12.94/-12.15   | -8.76/-4.32     | -3.46/-3.56     | -5.28/-2.78       | -5.02/-2.91       | -2.27/-2.01       | -4.48/-5.83       | -6.29/-8.73       | -5.31/-9.84       | -11.34/-6         | -4.3/-8.8         | -10.42/-8.73      | -15.87/-13.56     | -9.66/-8          | -4.51/-3.95       | -5.22/-5.86       | -7.19/-4.98       | 4.41/-3.37        | -3.52/-5.86       | -8.13/-8.27       |
| Θ(82.5°)  | -18.69/-15.6  | -13.94/-9.47    | -9.84/-11.18    | -9.54/-13.25    | -18.99/-13.64   | -8.89/-5.68     | -3.66/-3.77     | -6.14/-4.39       | -6.43/-4.41       | -4.92/-3.76       | -5.73/-6.12       | -9.35/-9.28       | -7.68/-17.37      | -13.21/-5.22      | -4.27/-9.53       | -11.91/-1.46      | -16.64/-10.04     | -8.94/-6.75       | -4.4/-4.19        | -7.37/-8.39       | -9.13/-6.17       | -7.21/-4.57       | -6.73/-8.8        | -9.83/-13.15      |
| Θ(90°)    | -17.97/-18.01 | -14.96/-11.01   | -10.63/-11.24   | -8.83/-13.01    | -15.89/-14.65   | -10.63/-8.91    | -5.45/-2.66     | -8.05/-5.53       | -8.83/-9.25       | -10.47/-7.43      | -8.16/-6.58       | -8.74/-10.47      | -9.82/-14.04      | -13.8/-8.82       | -6.39/-10.64      | -16.51/-16.55     | -15.64/-7.44      | -6.8/-6.99        | -6.35/-3.58       | -8.58/-11.96      | -11.79/-8.23      | -10.98/-5.59      | -10.31/-12.91     | -11.87/-18.1      |
| Θ(97.5°)  | -17.2/-19.13  | -16.83/-13.55   | -11.35/-9.59    | -7.48/-11.99    | -13.41/-16.96   | -12.35/-10.48   | -6.93/-6.61     | -9.08/-6.19       | -12.53/-12.52     | -15.7/-13.95      | -11.73/-6.57      | -8.3/-16.76       | -18.15/-17.83     | -11.46/-9.95      | -12.34/-16.41     | -19.12/-18.38     | -14.11/-8.22      | -7.48/-7.53       | -9.64/-9.76       | -10.64/-18.1      | -10.24/-11.03     | -13.93/-7.07      | -16.07/-17.42     | -13.98/-19.32     |
| Θ(105°)   | -17.74/-15.18 | -17.15/-15.19   | -14.87/-9.9     | -9.39/-11.78    | -15.99/-18.32   | -14.21/-10.33   | -6.61/-6.59     | -9.94/-6.88       | -12.57/-11.3      | -12.32/-9.32      | -13.79/-8.42      | -11.22/-18.35     | -10.43/-17.72     | -18.51/-10.04     | -14.06/-16.83     | -17.27/-19.99     | -12.95/-18.02     | -13.46/-13.26     | -14.07/-12.63     | -10.87/-17.98     | -10.99/-17.2      | -15.44/-11.37     | -18.28/-17.39     | -19.6/-18.53      |
| Θ(112.5°) | -18.61/-15.09 | -13.72/-13.7    | -13.16/-9.26    | -9.36/-12.89    | -15.13/-18.51   | -12.98/-11.37   | -8.03/-10.05    | -10.6/-9.54       | -12.62/-9.36      | -12.84/-10.8      | -15.19/-14.65     | -18.12/-18.57     | -17.54/-12.81     | -14.99/-14.3      | -17.82/-14.05     | -16.46/-18.02     | -13.28/-15.41     | -15.42/-18.36     | -19.08/-18.3      | -13.17/-18.2      | -19.17/-15.65     | -18.49/-17.51     | -18.97/-18.11     |                   |
| Θ(120°)   | -13.3/-16.63  | -16.95/-16.29   | -13.85/-11.53   | -13.46/-15.92   | -18.26/-18.32   | -13.86/-14.3    | -14.15/-14.29   | -11.95/-15.72     | -18.63/-16.34     | -16.59/-15.77     | -17.82/-16.62     | -11.5/-18.64      | -15.4/-12.73      | -17.57/-14.95     | -17.86/-17.86     | -17.43/-14.39     | -15.42/-13.27     | -11.23/-14.43     | -17.37/-17.97     | -17.69/-18.17     | -17.85/-17.81     | -18.6/-17.77      | -18.4/-17.53      | -17.76/-15.4      |
| Θ(127.5°) | -13.7/-17.4   | -18.95/-14.94   | -13.54/-14.14   | -14.91/-15.99   | -18.4/-18.07    | -12.91/-19.37   | -18.37/-15.88   | -17.47/-18.01     | -18.63/-17.86     | -15.32/-18.59     | -15.72/-17.99     | -18.04/-16.93     | -15.37/-18.47     | -16.55/-13.81     | -17.06/-18.12     | -18.39/-13.51     | -17.55/-17.83     | -18.25/-18.36     | -17.47/-17.92     | -18.96/-19.05     | -18.82/-17.82     | -18.33/-18.77     | -18.64/-18.67     | -13.2/-12.06      |
| Θ(135°)   | -14.31/-15.55 | -13.41/-15.41   | -14.53/-16.44   | -15.11/-17.03   | -17.67/-17.66   | -18.2/-18.15    | -15.77/-14.28   | -12.45/-11.83     | -14.11/-11.54     | -13.17/-18.75     | -17.67/-17.03     | -18.4/-18.48      | -11.66/-13.85     | -17.4/-18.52      | -18.9/-18.36      | -16.94/-18.49     | -17.06/-14.35     | -13.95/-15.73     | -18.18/-18.14     | -18.36/-18.42     | -18.47/-17.84     | -18.28/-18.89     | -17.84/-18.64     | -15.28/-12.74     |
| Θ(142.5°) | -17.19/-14.63 | -15.98/-13.9    | -15.25/-15.18   | -18.34/-18.44   | -18.3/-17.76    | -17.68/-18.88   | -15.18/-11.87   | -10.34/-11.03     | -17.38/-16.19     | -14.75/-17.81     | -18.76/-16.36     | -15.68/-15.03     | -18.76/-11.93     | -17.97/-14.29     | -17.45/-18.52     | -18.03/-18.64     | -15.35/-14.28     | -17.75/-18.85     | -18.32/-16.48     | -18.1/-18.65      | -18.31/-18.83     | -18.42/-19.33     | -17.8/-13.33      | -17.15/-18.02     |
| Θ(150°)   | -17.97/-13.72 | -13.59/-15.73   | -16.22/-17.63   | -19.04/-18.56   | -18.51/-18.06   | -18.49/-17.83   | -17.85/-17.07   | -17.78/-17.67     | -18.26/-16.19     | -18.28/-17.65     | -18.97/-18.61     | -18.34/-18.41     | -17.51/-16.03     | -15.11/-18.74     | -18.51/-17.22     | -17.61/-19.27     | -17.02/-18.14     | -18.06/-18.29     | -18.8/-18.16      | -18.37/-18.76     | -17.75/-18.28     | -17.34/-15.64     | -18.44/-15        |                   |
| Θ(157.5°) | -14.64/-12.41 | -12.9/-15.72    | -18.08/-18.56   | -19.1/-18.01    | -17.04/-14.03   | -15.26/-16.25   | -17.73/-18.37   | -19.25/-17.03     | -19.04/-18.56     | -18.02/-17.52     | -16.21/-18.56     | -17.84/-13.93     | -18.83/-18.6      | -12.95/-14.72     | -16.38/-15.61     | -16.5/-18.97      | -17.89/-18.99     | -16.68/-19.21     | -18.15/-18.08     | -19.18/-19.01     | -17.8/-16.58      | -16.22/-17.48     | -17.49/-16.92     | -15.18/-14.54     |
| Θ(165°)   | -13.51/-11.89 | -14.24/-16.69   | -17.35/-19.28   | -17.95/-18      |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(165°)   | -19.14/-18.76 | -19.03/-18.16   | -18.07/-19.06   | -19.01/-17.33   | -19.05/-17.51   | -17.78/-18.29   | -17.93/-17.31   | -16.71/-17.31     | -17.49/-18.22     | -15.26/-15.99     | -19.2/-18.66      | -19.44/-17.21     | -19.16/-18.01     | -18.24/-17.66     | -17.8/-18.66      | -18.6/-17.89      | -18.35/-17.92     | -18.85/-17.65     | -18.84/-17.66     | -18.44/-18.25     | -18.9/-18.73      | -18.68/-18.96     | -18.34/-17.23     | -18.99/-18.59     |
| Θ(172.5°) | -18.34/-18.6  | -17.53/-18.9    | -17.54/-18.65   | -18.11/-17.92   | -18.24/-18.68   | -18.97/-18.65   | -18.13/-18.36   | -18.05/-17.6      | -19.13/-18.67     | -17.81/-18.98     | -17.98/-18.17     | -18.04/-17.08     | -17.9/-18.9       | -18.45/-18.34     | -17.92/-18.13     | -17.69/-19.1      | -18.61/-17.45     | -17.43/-15.29     | -14.5/-13.87      | -14.39/-14.94     | -14.92/-15.69     | -16.49/-17.82     | -19.37/-18.82     | -18.87/-18.7      |
| Θ(180°)   | -18.02/-18.19 | -18.62/-18.94   | -18.31/-18.94   | -18.65/-18.92   | -18.68/-18.65   | -18.31/-18.44   | -18.79/-18.17   | -17.93/-17.89     | -18.52/-18.55     | -18.81/-18.58     | -19.02/-17.8      | -18.71/-18.2      | -17.9/-18.14      | -17.82/-18.17     | -17.85/-17.96     | -18.78/-18.97     | -18.21/-17.32     | -18.63/-19.02     | -18.77/-18.22     | -18.97/-17.58     | -17.67/-18.41     | -17.99/-18.15     |                   |                   |
| Freq(Hz)  | 6.995GPol.    | ThetaAnt.1      | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 2.91/69       | 0.47/-0.54      | -0.27/-4.94     | -8.45/-14.72    | -17.86/-12.02   | -6.29/-3.17     | -1.13/-0.6      | 1.822/68          | 3.45/4.03         | 4.41/4.49         | 4.61/4.64         | 4.36/3.68         | 3.03/2.14         | 1/0.55            | -2.98/-6.71       | -11.15/-13.82     | -14.72/-7.96      | -4.06/-1.8        | 0.06/1.21         | 2.31/3.02         | 3.53/3.76         | 3.94/4.16         | 4.31/4.06         | 3.84/3.46         |
| Θ(7.5°)   | 2.04/80.82    | -0.68/-2.44     | -4.55/-8.94     | -17.08/-18.16   | -10.52/-6.47    | -3.63/-1.44     | 0.05/1.2        | 2.032/65          | 3.36/3.97         | 4.38/4.81         | 5.145/5.31        | 4.97/4.31         | 3.592/43          | 1.07/-0.56        | -3.28/-6.64       | -10.75/-18.07     | -12.18/-7.63      | -3.6/-1.52        | 0.12/1.4          | 2.332/96          | 3.153/4.46        | 3.69/3.84         | 3.82/3.59         | 3.332/82          |
| Θ(15°)    | 1.39/0.17     | -1.28/-2.87     | -4.7/-7.68      | -13.99/-18.51   | -13.86/-8.44    | -5.26/-2.41     | -0.14/-1.55     | 2.58/2.98         | 3.21/3.57         | 4.09/4.5          | 4.67/4.54         | 4.34/4.25         | 3.47/2.29         | 1.15/-0.53        | -2.84/-6.32       | -14.14/-18.82     | -11.32/-6.47      | -2.8/-0.73        | 0.82/2.01         | 2.76/3.15         | 3.29/3.59         | 3.76/4.01         | 4.01/3.66         | 3.09/2.35         |
| Θ(22.5°)  | 1.53/0.37     | -1.36/-2.87     | -5.41/-8.2      | -14.01/-18.34   | -15.92/-10.64   | -8.39/-5.76     | -2.34/-0.25     | 1.62/65           | 3.08/3.38         | 3.75/4.28         | 4.47/4.07         | 3.61/3.56         | 2.71/4.3          | 0.96/-0.54        | -3.94/-8.13       | -10.7/-9.59       | -7.24/-3.88       | -1.32/0.41        | 1.43/2.58         | 3.98/4.63         | 4.49/4.19         | 4.62/4.83         | 4.5/3.34          | 2.59/2.43         |
| Θ(30°)    | 1.42/-0.29    | -1.85/-3.36     | -5.75/-10.73    | -18.57/-17.79   | -13.26/-12.35   | -7.84/-5.71     | -3.52/-1.01     | 0.69/1.96         | 2.26/1.63         | 1.98/1.82         | 1.21/1.5          | 1.11/1.16         | 0.20/3.4          | 0.81/-1.83        | -6.72/-11.3       | -16.02/-11.88     | -6.9/-4.91        | -1.91/0.4         | 1.75/2.74         | 3.34/3.54         | 3.29/3.37         | 3.96/3.61         | 2.81/1.9          | 2.332/34          |
| Θ(37.5°)  | -0.17/-1.46   | -2.91/-4.18     | -5.25/-9.47     | -14.82/-10.63   | -7.27/-9.65     | -6.02/-3.31     | -2.08/-0.28     | 0.72/1.04         | 1.19/0.8          | -1.26/-0.43       | -2.04/-3.49       | -2.54/-1.3        | -2.42/-3.6        | -6.49/-13.69      | -15.23/-9.37      | -7.06/-5.35       | -3.17/-1.23       | 0.76/2.06         | 2.1/1.71          | 1.85/-1.47        | 2.34/2.19         | 1.65/1.35         | 1.62/0.81         |                   |
| Θ(45°)    | -0.36/-1.63   | -3.43/-4.7      | -7.86/-12.16    | -9.96/-7.54     | -6.73/-6.83     | -5.99/-2.72     | -2.34/-1.39     | -1.8/-1.52        | -0.25/-0.72       | -0.84/-2.09       | -3.29/-1.85       | -3.71/-5.16       | -6.62/-6.56       | -4.73/-5.51       | -7.27/-16.16      | -16.08/-10.19     | -8.23/-6.27       | -4.36/-2.95       | -1.88/-0.69       | 0.04/0.45         | 0.63/-0.76        | 0.82/-1.22        | 1.48/0.48         | -0.23/-0.42       |
| Θ(52.5°)  | -2.49/-3.09   | -3.66/-5.49     | -9.34/-14.19    | -9.77/-3.1      | -8.73/-8.62     | -9.44/-5.76     | -5.16/-5.48     | -4.58/-4.16       | -2.56/-2.51       | -2.93/-4.28       | -3.91/-4.03       | -6.04/-10.55      | -6.67/-3.83       | -10.79/-14.37     | -17.74/-14.97     | -8.79/-8.57       | -7.24/-6.39       | -4.62/-2.97       | -1.51/-4.08       | -2.67/-1.09       | -0.95/-1.18       | -0.97/-0.38       | -0.09/-0.93       | -1.24/-1.63       |
| Θ(60°)    | -6.56/-6.28   | -5.03/-4.05     | -13.36/-18.45   | -12.33/-8.48    | -8.49/-11.27    | -14.07/-10.59   | -5.6/-5.84      | -5.97/-7.29       | -4.77/-3.81       | -3.8/-3.79        | -3.35/-4.83       | -4.44/-8.57       | -9.69/-5.93       | -8.46/-12.55      | -18.44/-12.47     | -12.12/-10.45     | -10.22/-5.74      | -5.66/-7.2        | -4.89/-7.16       | -4.99/-3.98       | -3.58/-2.36       | -2.49/-3.3        | -2.62/-3.39       | -3.2/-5.53        |
| Θ(67.5°)  | -9.92/-9.86   | -8.21/-9.13     | -13.83/-10.86   | -12.48/-7.99    | -8.78/-12.57    | -14.31/-8.06    | -4.89/-5.6      | -4.82/-7.34       | -6.32/-3.22       | -1.19/-2.9        | -3.97/-5.57       | -6.47/-9.52       | -10.2/-8.59       | -10.78/-13.95     | -18.4/-10.79      | -15.23/-10.32     | -14.03/-9.04      | -9.62/-10.27      | -6.87/-5.91       | -6.19/-6.29       | -5.29/-4.5        | -4.74/-4.16       | -4.39/-4.92       | -5.62/-10.61      |
| Θ(75°)    | -16.4/-12.89  | -11.11/-15.86   | -18.13/-9.89    | -11.55/-8.4     | -10.72/-14.2    | -12.73/-7.9     | -4.41/-4.71     | -5.12/-8.12       | -6.5/-4.72        | -1.23/-2.92       | -3.55/-6.37       | -9/-8.52          | -11.34/-9.34      | -16.67/-8.7       | -12.43/-15.33     | -18.03/-13.29     | -17.15/-19.08     | -18.2/-7.77       | -3.95/-3.43       | -5.71/-5.85       | -6.78/-6.88       | -5.96/-4.37       | -6.82/-7.16       | -8.72/-17.73      |
| Θ(82.5°)  | -18.28/-17.1  | -18.96/-18      | -13.88/-11.13   | -10.37/-9.6     | -11.79/-13.39   | -12.94/-16.1    | -4.71/-5.64     | -6.22/-7.72       | -6.64/-5.75       | -2.49/-4.22       | -3.55/-7.33       | -8.78/-13.47      | -14.85/-9.21      | -12.61/-9.58      | -18.86/-16.48     | -18.36/-17.48     | -13.78/-17.46     | -12.51/-14.72     | -1.5/-3.49        | -5.48/-7.4        | -8.24/-8.75       | -7.94/-5.46       | -6.72/-9.63       | -11.73/-19.14     |
| Θ(90°)    | -14.77/-17.98 | -18.94/-17.15   | -12.57/-10.13   | -11.29/-9.92    | -12.73/-15.1    | -16.86/-6.81    | -7.56/-7.54     | -5.67/-9.68       | -10.23/-9.51      | -5.66/-6.59       | -5.22/-6.86       | -17.63/-8.72      | -16.41/-18.47     | -12.78/-18.38     | -18.74/-18.03     | -14/-19.09        | -10.16/-5.34      | -3.56/-6.13       | -7.73/-9.81       | -11.35/-10.43     | -10.53/-6.91      | -7.09/-10.63      | -18.08/-16.98     |                   |
| Θ(97.5°)  | -14.85/-14.9  | -14.64/-15.87   | -15.04/-11.46   | -13.5/-9.56     | -13.92/-16.2    | -17.44/-8.23    | -10.62/-7.13    | -6.93/-12.97      | -13.08/-12.42     | -8.69/-9.82       | -8.19/-10.39      | -14.2/-14         | -14.2/-7.28       | -18.08/-13.88     | -12.18/-18.03     | -17.71/-18.53     | -15.78/-16.63     | -12.5/-8.91       | -7.53/-13.15      | -15.17/-15.76     | -15.37/-11.69     | -14.21/-11.03     | -9.02/-13.87      | -18.18/-18.86     |
| Θ(105°)   | -17.88/-15.25 | -12.2/-13.38    | -13.09/-10.8    | -12.7/-10.63    | -15.74/-17.96   | -16.9/-44       | -10.74/-8.26    | -9.81/-13.48      | -10.91/-12.14     | -12.39/-12.13     | -11.81/-10.3      | -14.8/-10.9       | -18.55/-17.49     | -12.96/-9.82      | -13.27/-18.85     | -17.28/-15.69     | -16.71/-13.98     | -15.59/-16.95     | -15.24/-18.76     | -18.75/-18.48     | -17.83/-18.34     | -15.75/-18.07     | -15.51/-15.07     | -18.92/-19.21     |
| Θ(112.5°) | -17.83/-17.43 | -13.26/-13.6    | -14.11/-12.47   | -14.52/-12.94   | -15.67/-16.5    | -15.9/-11.58    | -12.74/-10.06   | -12.89/-11.22     | -11.14/-13.33     | -11.07/-15.75     | -15.45/-18.05     | -15.66/-15.85     | -12.73/-17.39     | -16.67/-18.63     | -17.38/-10.81     | -11.25/-14.71     | -13.6/-12.8       | -16.43/-19.29     | -18.41/-17.38     | -13.41/-17.57     | -18.87/-16.64     | -17.89/-18.9      |                   |                   |
| Θ(120°)   | -17.79/-17.72 | -17.89/-15.38   | -17.28/-14.94   | -13.31/-12.17   | -15.57/-14.56   | -18.73/-16.84   | -11.87/-11.47   | -12.77/-17.12     | -18.78/-18.47     | -16.38/-11.18     | -17.8/-12.43      | -17.78/-18.03     | -12.64/-13.21     | -14.28/-18.04     | -18.33/-18.97     | -18.58/-12.87     | -18.53/-10.95     | -14.42/-9.89      | -14.28/-18.95     | -14.72/-17.63     | -16.88/-17.47     | -13.83/-18.49     | -18.09/-18.2      | -18.99/-16.82     |
| Θ(127.5°) | -18.18/-13.02 | -16.16/-18.33   | -18.11/-16.62   | -15.28/-13.41   | -15.38/-16.31   | -18.39/-19.55   | -18.24/-15.71   | -15.46/-18.22     | -16.1/-17.97      | -18.53/-16.25     | -17.32/-18.98     | -17.26/-17.42     | -17.99/-17.32     | -18.74/-8.82      | -15.34/-17.53     | -17.25/-11.99     | -18.91/-18.09     | -17.64/-13.22     | -18.48/-17.27     | -18.62/-17.01     | -18.93/-19.29     | -16.57/-16.48     | -18.2/-17.68      |                   |
| Θ(135°)   | -15.28/-14.14 | -14.72/-17.56   | -18.63/-18.81   | -17.24/-17.4    | -18.43/-18.17   | -18.67/-18.12   | -17.63/-14.53   | -12.36/-15.72     | -14.38/-17.52     | -15.86/-17.51     | -18.5/-16.56      | -15.09/-18.01     | -18.18/-16.39     | -16.94/-14.45     | -16.49/-17        | -12.79/-16.11     | -18.66/-12.68     | -19.31/-18.55     | -17.72/-17.75     | -17.65/-18.64     | -18.51/-18.99     | -18.01/-18.3      | -18.81/-17.95     | -18.26/-16.67     |
| Θ(142.5°) | -14.91/-15.24 | -14.96/-17.04   | -18.01/-18.23   | -15.4/-16.25    | -16.99/-17.2    | -18.21/-17.69   | -15.62/-15.13   | -13.44/-13.03     | -12.17/-17.1      | -16.34/-17.3      | -16.72/-18.7      | -14.81/-12.53     | -14.47/-17.93     | -19.13/-18.18     | -17.21/-18.15     | -19.15/-17.77     | -13.88/-16.64     | -17.13/-17.99     | -18.16/-19.3      | -17.72/-17.39     | -18.67/-16.6      | -18.28/-18.46     | -18.91/-18.53     | -18.49/-18.36     |
| Θ(150°)   | -16.53/-18.64 | -17.66/-17.96   | -18.37/-18.41   | -18.05/-18.09   | -18.15/-18.5    | -18.58/-18.25   | -18.51/-17.61   | -14.03/-14.37     | -17.99/-18.9      | -15.66/-18.5      | -17.62/-12.72     | -17.66/-16.29     | -18.01/-18.36     | -17.94/-13.93     | -18.25/-18.18     | -19.29/-18.48     | -15.74/-15.6      | -17.01/-17.2      | -18.14/-10.7      | -18.28/-19.24     | -18.74/-18.55     | -18.68/-17.81     | -18.09/-14.86     | -13.09/-13.77     |
| Θ(157.5°) | -16.6/-18.56  | -16.26/-17.84   | -17.91/-17.58   | -19.17/-18.73   | -19.19/-18.67   | -17.83/-17.48   | -18.6/-18.25    | -17.99/-17.6      | -17.85/-18.47     | -17.96/-17.79     | -18.95/-17.78     | -17.35/-18.19     | -16.61/-16.1      | -18.63/-18.4      | -18.81/-18.24     | -18.17/-18.96     | -17.81/-17.91     | -18.27/-18.05     | -17.44/-18.85     | -18.26/-18.03     | -17.68/-18.19     | -19.12/-18.97     | -17.98/-18.04     |                   |
| Θ(165°)   | -18.22/-18.81 | -19.01/-17.51   | -18.18/-19.22   | -17.92/-17.29   | -19.12/-18.24   | -18.5/-18.93    | -18.75/-17.49   | -15.94/-14.21     | -16.4/-18.55      | -17.55/-17.81     | -18.73/-18.57     | -18.43/-17.81     | -18.47/-18.62     | -17.49/-15.96     | -15.75/-15.46     | -16.74/-18.4      | -17.88/-18.12     | -19.08/-19.09     | -17.98/-18.59     | -18.45/-18.32     | -18.33/-18.75     | -17.66/-18.86     | -15.03/-13.91     | -15.37/-15.15     |
| Θ(172.5°) | -19.05/-18.7  | -18.13/-18.5    | -18.22/-18.76   | -17.96/-17.75   | -17.94/-17.68   | -18.91/-17.41   | -17.76/-18.91   | -18.77/-17.67     | -18.16/-19.12     | -18.38/-17.24     | -19.06/-18.13     | -18.72/-16.32     | -18.38/-18.43     | -18.45/-18.89     | -18.85/-19.01     | -18.28/-18.51     | -19.01/-18.17     | -17.85/-18.73     | -18.2/-18.01      | -18.33/-18.14     | -18.19/-17.92     | -19.37/-18.05     | -17.75/-18.03     | -19.29/-18.08     |
| Θ(180°)   | -17.45/-18.46 | -17.73/-18.77   | -18.09/-18.51   | -17.47/-17.61   | -18.99/-17.84   | -18.84/-18.1    | -17.84/-18.95   | -19.26/-18.47     | -19.02/-18.7      | -17.75/-18.16     | -18.76/-18.34     | -18.63/-18.26     | -18.32/-18.2      | -18.65/-17.99     | -18.95/-17.87     | -18.38/-17.66     | -18.2/-18.52      | -19.19/-17.89     | -17.99/-18.47     | -18.51/-18.19     | -18.5/-18.22      | -17.62/-18.82     | -18.04/-17.98     | -18.18/-17.62     |
| Freq(Hz)  | 6.995GPol.    | PhiAnt.1        | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 3.05/3.63     | 4.42/5.13       | 5.53/5.51       | 5.62/5.84       | 5.41/8.3        | 4.71/4.14       | 2.96/1.75       | 0.13/-0.24        | -5.38/-10.74      | -18.88/-12.54     | 5.46/-3           | -0.68/-1          | 4.72/3.3          | 4.74/3            | 5.14/5.17         | 5.29/5.31         | 4.95/4.31         | 3.72/7.8          | 1.87/0.25         | -1.73/-4.73       | 9.37/-18.67       | -17.57/-8.56      | -4.39/-1.64       | 0.532/17          |
| Θ(7.5°)   | 1.32/2.39     | 3.37/4.24       | 5.0/7           | 5.35/6.68       | 5.42/4.82       | 4.36/3.8        | 2.73/1.09       | -1.13/-4.3        | -3.14/-8.74       | -16.79/-8.01      | -3.59/-0.53       | 1.62/3.1          | 4.25/3.13         | 5.99/6.61         | 7                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(15°)    | -2.58/3.06    | -3.66/4.46      | -5.64/6.85      | -7.81/8.25      | -8.01/7.23      | -6.19/5.19      | -4.39/-3.7      | -3.14/2.74        | -2.5/-2.39        | -2.36/-2.27       | -2.13/1.95        | -1.67/-1.37       | -1.23/-1.32       | -1.58/-2.06       | -2.88/3.95        | -5.29/6.56        | -7.6/8.18         | -7.66/6.29        | -4.63/3.13        | -1.89/-1.02       | -0.46/-0.14       | -0.08/-0.18       | -0.46/-0.89       | -1.43/-1.97       |
| Θ(22.5°)  | -3.37/-4.06   | -4.84/-5.92     | -7.22/-8.58     | -9.39/-9.34     | -8.51/-7.36     | -6.17/-5.11     | -4.26/-3.59     | -3.08/-2.76       | -2.64/-2.7        | -2.92/-3          | -2.86/-2.49       | -1.98/-1.56       | -1.31/-1.29       | -1.61/-2.36       | -3.47/-4.83       | -6.18/-7.17       | -7.91/-9.37       | -7.04/-5.63       | -4.03/-2.66       | -1.53/-0.72       | -0.22/0           | -0.05/-0.3        | -0.74/-1.39       | -2.09/-2.74       |
| Θ(30°)    | -4.74/-5.32   | -5.87/-6.75     | -8.14/-9.6      | -9.27/-8.1      | -8.43/-5.33     | -6.43/-5.75     | -4.63/-3.75     | -3.16/-2.76       | -2.64/-2.64       | -2.84/-3.09       | -3.17/-3          | -2.56/-2.04       | -1.71/-1.62       | -1.86/-2.51       | -3.75/-5.37       | -6.81/-7.52       | -7.73/-7.5        | -6.61/-5.35       | -4.04/-2.66       | -2.03/-1.32       | -0.84/-0.52       | -0.41/-0.56       | -1.08/-1.96       | -3.09/-4.17       |
| Θ(37.5°)  | -6.13/-7      | -7.42/-8.11     | -9.37/-10.92    | -11.77/-11.23   | -9.68/-7.71     | -6.15/-5.1      | -4.5/-4.13      | -3.88/-3.82       | -3.95/-4.18       | -4.49/-4.88       | -5/-4.66          | -4.05/-3.39       | -2.93/-2.71       | -2.87/-3.56       | -4.79/-6.27       | -7.24/-7.31       | -7.08/-6.68       | -6.06/-5.18       | -4.3/-3.57        | -2.96/-2.36       | -1.79/-1.3        | -0.96/-0.93       | -1.34/-2.3        | -3.77/-5.38       |
| Θ(45°)    | -7.42/-8.78   | -9.51/-10.05    | -11.05/-12.46   | -12.9/-11.7     | -9.57/-7.33     | -6.81/-5.19     | -5.22/-5.42     | -5.77/-6.41       | -7.19/-7.65       | -7.87/-8.24       | -7.94/-6.7        | -6.03/-6.07       | -6.07/-6.04       | -6.63/-7.88       | -8.59/-8.2        | -7.41/-5.68       | -5.86/-5.17       | -4.61/-4.25       | -3.99/-3.5        | -2.86/-2.33       | -2.02/-1.95       | -2.27/-3.17       | -4.6/-6.35        |                   |
| Θ(52.5°)  | -8.98/-10.65  | -11.74/-12.29   | -13.27/-15.02   | -15.09/-12.76   | -10.12/-7.61    | -6.15/-5.84     | -6.17/-6.22     | -6.37/-7.16       | -8.19/-8.85       | -9.55/-10.59      | -11.5/-10.76      | -8.53/-6.8        | -6.26/-6.77       | -7.56/-8.05       | -8.59/-9.79       | -10.46/-9.9       | -8.84/-7.77       | -6.71/-5.96       | -5.42/-5.08       | -4.69/-4.07       | -3.44/-3.07       | -3.02/-3.19       | -2.63/-4.52       | -5.86/-7.54       |
| Θ(60°)    | -11.29/-13.01 | -14.41/-15.44   | -17.27/-18.09   | -18.77/-16.62   | -12.46/-8.85    | -6.96/-6.5      | -6.49/-6.02     | -5.94/-7.05       | -8.7/-9.66        | -10.58/-12.24     | -14.33/-14.87     | -12.59/-9.19      | -7.01/-6.52       | -7.69/-9          | -9.02/-9.11       | -9.73/-9.7        | -9.12/-8.66       | -8.34/-8.1        | -7.61/-6.73       | -5.69/-4.72       | -4.04/-3.81       | -3.98/-4.37       | -4.96/-6.04       | -7.63/-9.72       |
| Θ(67.5°)  | -14.73/-15.98 | -17.25/-18.64   | -19.26/-17.99   | -17.85/-19.12   | -14/-9.79       | -7.64/-7.12     | -7.16/-6.96     | -7.34/-9.25       | -11.1/-11         | -11.98/-14.03     | -15.14/-13.34     | -10.53/-7.78      | -6.37/-6.29       | -7.46/-8.84       | -8.97/-10.8       | -9.63/-9.32       | -8.39/-8.08       | -8.54/-9.57       | -10.2/-8.96       | -6.97/-5.73       | -5.23/-5.14       | -5.44/-6.2        | -7.06/-8.42       | -10.42/-12.8      |
| Θ(75°)    | -16.25/-17.15 | -18.21/-18.67   | -18.16/-18.76   | -19.2/-18.13    | -18.52/-14.33   | -11.5/-10.25    | -9.53/-8.64     | -8.67/-10.41      | -12.44/-11.47     | -11.48/-12.05     | -13.7/-12.82      | -10.41/-6.77      | -5.85/-5.14       | -5.91/-7.76       | -8.84/-9.39       | -10.28/-10.32     | -9.01/-8.4        | -8.71/-10.27      | -12.61/-12.03     | -9.04/-7.29       | -6.93/-7.1        | -7.57/-8.37       | -9.31/-10.74      | -12.82/-14.88     |
| Θ(82.5°)  | -18.12/-18.15 | -18.75/-19.14   | -18.78/-18.97   | -19.26/-19.12   | -18.43/-17.99   | -14.4/-10.98    | -9.37/-9.11     | -10.42/-14.12     | -18.01/-13.88     | -13.25/-14.63     | -15.34/-12.91     | -9.35/-7.35       | -6.85/-7.1        | -7.72/-8.45       | -8.85/-9.45       | -10.08/-9.77      | -8.81/-8.39       | -8.99/-11.32      | -15.61/-16.26     | -11.68/-9.2       | -8.51/-8.77       | -9.81/-10.78      | -11.61/-13.64     | -16.82/-18.13     |
| Θ(90°)    | -17.88/-18.25 | -18.46/-18.12   | -16.32/-16.1    | -18.89/-17.4    | -13.35/-19.05   | -17.3/-13.82    | -12.8/-14.24    | -17.89/-18.59     | -17.86/-14.71     | -12.6/-12.36      | -13.5/-14.43      | -11.97/-9.75      | -9.27/-9.99       | -10.45/-9.97      | -9.35/-9.58       | -10.39/-10.5      | -9.62/-8.73       | -8.79/-10.49      | -14.92/-18.2      | -17.82/-15.72     | -10.09/-13        | -10.23/-12        | -13.1/-16.54      | -18.38/-18.21     |
| Θ(97.5°)  | -17.34/-17.96 | -18.8/-17.09    | -15.49/-15.71   | -18.15/-18.7    | -16.28/-15.58   | -15.37/-14.94   | -15.27/-17.6    | -18.14/-17.89     | -17.43/-17.8      | -16.25/-13.37     | -14.41/-14.65     | -11.27/-9.93      | -11.54/-14.35     | -14.56/-12.25     | -10.62/-10.13     | -10.19/-10.2      | -10.42/-10.64     | -10.89/-11.42     | -12.32/-17.98     | -17.96/-18.49     | -17.03/-13.45     | -13.94/-15.35     | -15.31/-18.47     | -18.29/-19.07     |
| Θ(105°)   | -17.81/-15.09 | -13.1/-11.84    | -10.88/-11      | -12.79/-15.15   | -15.07/-15.06   | -16.56/-18.7    | -18.62/-17.39   | -16.85/-16.4      | -15.85/-17.65     | -16.75/-14.64     | -16.81/-18.05     | -14.69/-14.09     | -17.79/-18.38     | -18.03/-17.93     | -18.48/-14.84     | -12.24/-10.17     | -9.28/-9.26       | -10.23/-12.06     | -14.53/-19.08     | -17.59/-18.8      | -18.48/-18.7      | -19.1/-18.78      | -18.22/-18        | -18.71/-17.6      |
| Θ(112.5°) | -14.79/-13.49 | -13.29/-13.23   | -13.31/-14.72   | -17.31/-14.72   | -13.86/-12.95   | -14.59/-16.74   | -15.31/-13.99   | -15.74/-18.46     | -18.88/-17.84     | -13.96/-14.76     | -12.97/-14.41     | -18.65/-19.06     | -16.93/-19.41     | -18.31/-17.67     | -17.04/-13.6      | -11.39/-10.51     | -10.61/-11.29     | -12.04/-13.82     | -18.34/-17.98     | -18.21/-15.74     | -16.88/-18.78     | -15.82/-18.34     | -18.93/-18.14     |                   |
| Θ(120°)   | -16.18/-18.34 | -17.46/-14.52   | -12.82/-12.49   | -12.68/-11.84   | -10.46/-10.41   | -12.44/-16.65   | -17.77/-18.37   | -17.97/-16.33     | -15.26/-15.95     | -15.38/-14.97     | -15.47/-16.34     | -16.15/-14.13     | -12.06/-10.01     | -9.84/-11.81      | -14.49/-15.24     | -14.59/-12.93     | -15.01/-16.09     | -19.05/-18.57     | -17.48/-18.36     | -18.71/-17.89     | -18.02/-17.45     | -16.67/-18.61     |                   |                   |
| Θ(127.5°) | -15.08/-13.78 | -12.47/-11.74   | -11.98/-14.08   | -18.96/-19.37   | -13.53/-11.31   | -11.08/-11.04   | -10.22/-9.98    | -11.43/-14.98     | -18.57/-18.59     | -18.73/-18.74     | -18.59/-18.03     | -18.46/-16.36     | -12.09/-9.65      | -9.63/-11.39      | -13.24/-13.86     | -13.86/-13.64     | -12.3/-10.64      | -9.96/-10.64      | -11.86/-13.31     | -16.27/-17.48     | -18.6/-18.76      | -18.49/-17.02     | -16.03/-15.67     | -16.05/-16.56     |
| Θ(135°)   | -18.14/-18.26 | -17.86/-17.95   | -17.28/-18.09   | -13.86/-9.8     | -7.84/-7.42     | -8.37/-10.31    | -12.6/-15.4     | -18.43/-12.91     | -14.51/-11.44     | -11.07/-11.99     | -11.98/-11.49     | -11.42/-12.43     | -13.84/-14.31     | -14.71/-16.03     | -18.43/-18.39     | -16.29/-16.32     | -14.27/-12.98     | -12.08/-11.85     | -12.43/-14.57     | -18.27/-17.54     | -18.28/-17.78     | -18.21/-18.96     | -18.47/-18.3      |                   |
| Θ(142.5°) | -18.64/-18.01 | -17.34/-18.26   | -13.33/-12.85   | -12.21/-11.62   | -12.14/-15      | -18.44/-17.64   | -18.03/-16.24   | -14.49/-12.53     | -10.89/-10.33     | -10.55/-10.49     | -10.04/-9.85      | -11.14/-10.69     | -11.18/-11.6      | -11.84/-12.2      | -13.14/-15.13     | -17.06/-17.39     | -16.6/-16.18      | -15.94/-15.09     | -17.73/-13.12     | -13.06/-13.95     | -16.21/-15.89     | -18.22/-18.72     | -18.67/-18.87     | -19.13/-18.05     |
| Θ(150°)   | -17.71/-18.73 | -17.53/-15.63   | -15.35/-16.8    | -17.24/-19.08   | -17.97/-17.69   | -16.62/-13.58   | -12.27/-12.35   | -13.5/-14.73      | -15.81/-16.64     | -16.91/-16.17     | -15.28/-14.15     | -13.32/-12.59     | -12.22/-12.27     | -12.74/-13.37     | -14.32/-15.62     | -17.14/-18.53     | -18.2/-18.35      | -17.03/-15.46     | -13.88/-12.78     | -12.06/-11.94     | -12.63/-14.36     | -17.02/-18.26     | -18.09/-17.44     | -18.15/-18.78     |
| Θ(157.5°) | -18.7/-17.63  | -17.47/-18.31   | -18.49/-18.74   | -18.68/-18.64   | -17.63/-18.1    | -16.62/-15.88   | -16.3/-18.04    | -17.4/-18.72      | -19.19/-18.2      | -19.17/-19.07     | -17.96/-18.43     | -18.35/-19.26     | -18.94/-17.45     | -17.88/-18.06     | -18.62/-18.07     | -18.05/-19.26     | -18.34/-18.7      | -19.03/-17.3      | -15.72/-14.36     | -13.31/-12.85     | -13.01/-13.65     | -14.68/-15.59     | -16.79/-18.31     | -18.74/-16.62     |
| Θ(165°)   | -18.17/-19.07 | -18.88/-18.02   | -19.15/-19.29   | -17.63/-17.97   | -18.3/-18.66    | -18.9/-17.51    | -17.73/-17.64   | -17.17/-18.03     | -18.34/-18.1      | -18.31/-18.49     | -18.37/-18.9      | -18.65/-18.53     | -18.46/-18.15     | -19.05/-18.99     | -18.62/-18.29     | -18.08/-18.27     | -18.68/-18.38     | -17.87/-18.53     | -19.34/-17.89     | -18.7/-18.85      | -17.3/-18.07      | -18.92/-18.46     | -18.15/-18.62     | -18.11/-18.31     |
| Θ(172.5°) | -17.42/-18.65 | -18.3/-19.01    | -18.51/-18.27   | -18.38/-18.59   | -19.28/-17.75   | -19.01/-17.92   | -17.8/-18.47    | -18.02/-17.61     | -18.45/-19.1      | -17.51/-15.79     | -17.57/-18.6      | -17.58/-19.32     | -18.3/-18.06      | -18.2/-18.41      | -17.58/-18.27     | -18.42/-18.67     | -18.12/-17.36     | -17.66/-17.62     | -18.56/-18.87     | -18.39/-18.15     | -18.82/-18.03     | -17.93/-18.34     | -18.53/-18.69     |                   |
| Θ(180°)   | -14.08/-14.16 | -14.14/-14.22   | -14.53/-15.3    | -16.51/-18.09   | -17.11/-18.48   | -19.1/-18.02    | -18.28/-17.49   | -19.03/-18.62     | -18.3/-18.71      | -16.98/-15.38     | -14.28/-13.92     | -14.13/-14.58     | -14.85/-14.91     | -15.81/-17.4      | -17.99/-18.02     | -17.96/-18.32     | -18.9/-18.38      | -18.6/-18         | -17.62/-17.29     | -18.49/-18.2      | -19.04/-18.23     | -17.57/-16.83     | -16.09/-15.73     | -15.58/-15.68     |
| Freq(Hz)  | 5.2GPol       | PhiAnt.2        | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 0.62/1.63     | 2.63/3.37       | 3.84/4.24       | 4.61/4.75       | 4.61/4.29       | 3.83/3.05       | 2.06/1.21       | 0.13/-1.44        | -3.65/-6.81       | -11.6/-11.97      | -10.89/-6.14      | -3.12/-1.05       | 0.33/1.62         | 2.87/3.64         | 4.23/4.67         | 4.81/4.69         | 4.51/4.43         | 3.97/3.26         | 2.33/-3.4         | 0.05/-1.76        | -4.11/-17.37      | -12.22/-13.86     | -9.25/-7.53       | -3.03/-0.9        |
| Θ(7.5°)   | 1.16/2.4      | 3.23/8.6        | 4.39/4.8        | 5.05/8.9        | 4.99/4.77       | 4.43/6.34       | 2.67/1.79       | 0.67/0.61         | -2.47/-5.22       | -9.52/-13.95      | -11.04/-6.09      | -3.03/-1.1        | 0.29/1.66         | 2.72/3.56         | 4.23/9.47         | 4.23/9.47         | 4.23/9.47         | 3.42/5.6          | 1.66/0.68         | -0.9/-3.2         | -6.09/-10.3       | -15.51/-13.6      | -8.27/-5.07       | -2.33/-0.5        |
| Θ(15°)    | 1.2/5.7       | 3.53/9.1        | 4.41/4.73       | 4.8/4.84        | 4.61/4.1        | 3.38/2.24       | 1.11/-0.13      | -1.32/-2.58       | -4.42/-6.45       | -8.03/-9.87       | -9.68/-6.34       | -3.27/-1.14       | 0.21/6.6          | 3.14/0.6          | 4.58/4.77         | 4.8/4.42          | 3.96/3.63         | 2.92/2.1          | 1.32/0.39         | -1.14/-2.87       | -5.09/-8.69       | -15.23/-13.72     | -7.01/-3.29       | -1.24/0.15        |
| Θ(22.5°)  | 1.78/3.01     | 3.89/4.3        | 4.48/4.51       | 4.29/4.36       | 4.39/3.94       | 3.07/1.7        | 0.38/-2.72      | -2.13/-3.71       | -5.81/-8.06       | -9.43/-10.02      | -8.36/-13.3       | -2.89/-1.16       | 0.41/1.81         | 3.04/3.99         | 4.71/4.98         | 4.92/4.17         | 3.31/2.75         | 1.93/1.04         | 0.27/-0.84        | -2.11/-3.38       | -5.25/-9.3        | -17.97/-13.74     | -6.69/-2.97       | -0.76/0.7         |
| Θ(30°)    | 1.822/6.4     | 3.52/4.2        | 4.41/4.5        | 4.41/4.13       | 4.15/3.95       | 3.11/1.38       | -0.4/-1.66      | -4.02/-6.76       | -10.37/-12.77     | -12.17/-10.36     | -9.28/-7.01       | -4.19/-2.33       | -1.01/0.89        | 2.32/3.93         | 3.25/3.4          | 3.4/3.38          | 2.77/2.55         | 2.33/1.58         | 0.28/-1.26        | -2.65/-3.7        | -5.62/-10.52      | -18.52/-18.16     | -9.65/-3.98       | -1.02/0.75        |
| Θ(37.5°)  | 1.472/3.32    | 2.95/3.49       | 3.51/5.36       | 3.87/3.55       | 3.52/3.45       | 2.61/0.95       | -0.22/-1.4      | -4.26/-8.04       | -13.24/-15.96     | -13.77/-9.22      | -6.65/-4.64       | -3.35/-2.32       | -0.66/-1.06       | 2.04/2.48         | 2.68/3.15         | 3.74/3.97         | 3.45/3.46         | 3.29/2.4          | 1.22/-0.62        | -2.39/-3.94       | -16.69/-12.38     | -18.45/-15.84     | -9.19/-4.38       | -1.44/0.28        |
| Θ(45°)    | 1.1/1.8       | 2.45/3          | 3.03/2.76       | 3.41/3.79       | 3.24/2.53       | 1.91/0.85       | -0.39/-2.43     | -6.42/-8.77       | -14.06/-17.87     | -16.4/-11.1       | -7.31/-5.07       | -4.06/-3.78       | -2.09/-3.09       | -0.21/-0.18       | 1.77/3.06         | 3.84/4.34         | 3.35/2.78         | 2.65/1.69         | 0.75/-0.55        | -2.59/-5.28       | -8.28/-13.02      | -15.77/-11.34     | -7.84/-4.99       | -2.35/-0.54       |
| Θ(52.5°)  | 0.58/1.35     | 2.11/2.39       | 2.54/2.62       | 2.97/3.06       | 1.95/1.45       | 0.78/-0.91      | -3.4/-12        | -7.88/-11.16      | -14.62/-14.4      | -13.27/-11.15     | -8.8/-6.1         | -5.67/-4.04       | -1.32/0.58        | 2.122/2.28        | 2.482/8.8         | 2.34/1.93         | 1.60/1.78         | -0.03/-1.5        | -3.35/-5.64       | -9.76/-12.9       | -16.27/-11.5      | -7.17/-4.47       | -2.2/-0.37        |                   |
| Θ(60°)    | -0.18/0.84    | 1.23/1.57       | 1.9/2.22        | 2.03/2.16       | 1.73/3.54       | -1.11/-1.95     | -2.45/-3.81     | -9.09/-11.01      | -15.36/-18.99     | -17.96/-16.44     | -13.33/-8.71      | -9.31/-6.8        | -6.13/-5.86       | -2.51/-1.04       | 0.58/0.12         | 0.51/0.           |                   |                   |                   |                   |                   |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(67.5°)  | -9.42/-8.48   | -9.36/-19.31    | -13.09/-18.05   | -18.05/-18.26   | -18.66/-19.05   | -18.52/-17.78   | -18.59/-14.79   | -11.26/-10.71     | -9.91/-10.44      | -10.59/-8.93      | -9.27/-11.67      | -16.14/-10.93     | -9.98/-9.78       | -8.39/-7.68       | -9.87/-13.58      | -17.79/-14.44     | -18.96/-13.59     | -9.42/-7.81       | -6.81/-5.43       | -5.5/-5.6         | -5.23/-5.09       | -5.16/-4.56       | -4.94/-6.43       | -7.25/-10.71      |
| Θ(75°)    | -12.69/-11.78 | -11.36/-17.98   | -12.63/-19.06   | -18.53/-19.08   | -18.43/-18.54   | -17.92/-18.77   | -17.96/-17.85   | -18.26/-18.29     | -13.85/-15.63     | -14.96/-15.74     | -12.43/-18.72     | -18.16/-16.75     | -17.5/-10.3       | -10.19/-10.76     | -10.7/-12.35      | -12.03/-14.48     | -18.61/-11.76     | -9.07/-8.08       | -7.83/-5.42       | -6.64/-8.66       | -7.44/-7.42       | -7.08/-6.3        | -6.96/-9.21       | -10.73/-15.57     |
| Θ(82.5°)  | -15.66/-16.86 | -15.74/-19.13   | -13.62/-18.64   | -17.36/-18.94   | -18.26/-18.21   | -18.61/-17.75   | -17.9/-17.48    | -18.73/-17.35     | -17.87/-17.79     | -17.91/-15.73     | -19.24/-17.51     | -15.6/-16.96      | -15.56/-9.17      | -12.68/-12.48     | -10.1/-10.05      | -18.69/-16.29     | -18.69/-13.61     | -9.53/-7.83       | -8.08/-3.06       | -8.75/-11.13      | -9.09/-9.14       | -8.78/-8.54       | -11.1/-12.28      | -17.12/-18.12     |
| Θ(90°)    | -17.81/-18.62 | -17.5/-18       | -16.22/-18.34   | -18.25/-18.75   | -17.81/-18.43   | -17.93/-17.09   | -19.02/-18.18   | -18.4/-19.24      | -18.05/-18.68     | -19.29/-18.12     | -17.86/-18.6      | -18.21/-17.64     | -18.92/-10.45     | -11.49/-15.01     | -13.01/-9.44      | -9.05/-15.02      | -18.02/-14.96     | -13.2/-9.04       | -8.71/-8.66       | -11.51/-16.47     | -10.09/-9.88      | -10.69/-11.93     | -17.65/-18.45     | -18.31/-16.43     |
| Θ(97.5°)  | -15.34/-17.42 | -15.66/-18.48   | -17.37/-18.01   | -18.21/-18.56   | -18.38/-18.65   | -19/-17.69      | -17.47/-19.16   | -19.02/-18.41     | -17.68/-17.31     | -17.68/-17.92     | -15.49/-18.62     | -15.63/-17.85     | -18.78/-14.14     | -17.8/-16.81      | -13.55/-11.91     | -11.33/-16.45     | -19.23/-19.17     | -16.66/-9.5       | -12.26/-13.25     | -15.85/-17.43     | -12.63/-12.58     | -13.42/-15.31     | -18.97/-18.66     | -18.56/-15.88     |
| Θ(105°)   | -14.13/-17.64 | -14.93/-18.36   | -18.84/-18.07   | -18.77/-17.51   | -19/-18.44      | -18.06/-17.71   | -18.59/-16.84   | -18.45/-17.7      | -18.61/-18.85     | -18.35/-17.9      | -18.06/-18.7      | -16.92/-14.78     | -15.32/-14.8      | -18.27/-17.78     | -15/-12.6         | -13.89/-17.47     | -18.07/-17.65     | -17.78/-13.8      | -18.59/-18.45     | -14.54/-15.57     | -18.0/-19.03      | -18.38/-19.16     | -18.91/-15.61     |                   |
| Θ(112.5°) | -13.28/-16.34 | -18.14/-18.55   | -18.31/-18.99   | -18.72/-18.11   | -17.83/-18.15   | -18.37/-18.2    | -18.67/-18.16   | -19.4/-19.01      | -18.74/-19.32     | -17.7/-18.45      | -19.02/-17.1      | -16.5/-18.49      | -16.56/-13.6      | -19.28/-17.63     | -18.17/-18.34     | -15.46/-14.58     | -18.1/-18.82      | -18.88/-18.31     | -17.42/-18.5      | -19.22/-18.71     | -18.17/-18.13     | -18.1/-17.94      | -18.49/-17.85     | -18.94/-14.54     |
| Θ(120°)   | -14.13/-13.22 | -17.4/-17.81    | -17.34/-18.17   | -18.17/-18.29   | -18.68/-17.76   | -18.06/-18.6    | -17.34/-17.7    | -17.71/-17.8      | -17.55/-17.54     | -18.1/-18.08      | -19.26/-18.09     | -16.12/-15.96     | -18.89/-18.4      | -17.99/-18.95     | -15.62/-14.87     | -18.8/-18.4       | -18.54/-16.65     | -17.73/-19.32     | -18.67/-18.3      | -17.83/-18.34     | -18.02/-19.06     | -18.99/-17.12     | -15.97/-13.21     |                   |
| Θ(127.5°) | -10.93/-16.75 | -18.29/-17.16   | -18.07/-17.82   | -18.3/-17.36    | -18.44/-18.47   | -17.34/-18.31   | -17.35/-18.47   | -18.07/-16.69     | -15.11/-18.36     | -16.76/-18.66     | -15.58/-17.57     | -18.01/-17.74     | -17.28/-18.09     | -19.05/-17.79     | -18.55/-16.54     | -15.89/-14.87     | -18.1/-18.72      | -19.07/-16.08     | -16.1/-18.99      | -18.24/-19.04     | -17.79/-18.34     | -18.83/-17.67     | -18.43/-15.43     |                   |
| Θ(135°)   | -13.26/-14.44 | -16.56/-18.09   | -18.14/-17.25   | -17.78/-18.72   | -18.3/-18.16    | -18.63/-17.83   | -18.17/-17.99   | -18.96/-18.41     | -18.4/-17.71      | -16.8/-18.09      | -18.55/-17.7      | -17.63/-19.21     | -18.02/-18.23     | -18.89/-18.8      | -17.48/-19.44     | -18.24/-18.01     | -16.14/-17.49     | -18.4/-18.5       | -18.2/-15.92      | -18.5/-18.07      | -18.67/-17.81     | -18.44/-18        | -15.7/-16.64      | -15.31/-11.09     |
| Θ(142.5°) | -12.57/-14.5  | -15.6/-16.26    | -17.74/-16.6    | -17.86/-17.1    | -18.59/-17.92   | -17.77/-18.98   | -18.55/-17.3    | -19.29/-18.32     | -18.47/-17.92     | -18.07/-17.43     | -18.15/-19.25     | -17.38/-18.93     | -16.82/-16.23     | -15.38/-18.66     | -18.4/-18.37      | -18.35/-18.65     | -18.02/-18.03     | -18.06/-18.07     | -17.91/-18.61     | -18.92/-17.3      | -18.62/-18.03     | -18.37/-17.49     | -18.28/-17.26     | -14.44/-13.48     |
| Θ(150°)   | -12.82/-12.3  | -13.24/-16.58   | -17.79/-17.89   | -18.2/-18.58    | -18.65/-18.73   | -18.43/-18.63   | -18.34/-18.57   | -18.25/-17.47     | -17.42/-18.53     | -17.55/-18.04     | -18.44/-18.48     | -18.13/-18.41     | -16.54/-19.08     | -16.74/-19.05     | -18.34/-18.49     | -18.22/-18.39     | -18.41/-18.47     | -18.42/-17.56     | -17.83/-17.42     | -15.43/-13.89     | -12.94/-14.53     | -13.31/-11.15     |                   |                   |
| Θ(157.5°) | -13.72/-15.26 | -17.55/-18.12   | -18.92/-18.95   | -18.03/-18.08   | -18.29/-18.37   | -18.47/-18.01   | -18.08/-18.49   | -17.69/-18.04     | -18.65/-17.14     | -18.59/-17.17     | -18.21/-19.15     | -18.31/-18.22     | -17.01/-18.61     | -18.18/-17.69     | -19.42/-18.53     | -17.62/-18.53     | -18.33/-18.54     | -18.91/-17.76     | -18.73/-19.1      | -18.11/-18.23     | -18.98/-18.79     | -17.47/-19.11     | -16.22/-16.51     | -18.1/-18.5       |
| Θ(165°)   | -18.34/-18.44 | -17.3/-18.48    | -18.11/-18.9    | -17.31/-18.59   | -18.9/-17.63    | -18.59/-18.53   | -18.56/-18.59   | -18.48/-18.15     | -18.6/-18.56      | -18.62/-16.23     | -15.38/-19.62     | -17.38/-18.93     | -16.82/-18.86     | -18.4/-18.37      | -18.35/-18.65     | -18.02/-18.03     | -18.06/-18.07     | -17.91/-18.61     | -18.92/-17.3      | -18.62/-18.03     | -18.37/-17.49     | -18.28/-17.26     | -14.44/-13.48     | -13.57/-14.31     |
| Θ(172.5°) | -15.04/-18.07 | -17.77/-16.41   | -17.41/-17.54   | -17.96/-18.76   | -18.01/-19.01   | -17.47/-17.89   | -18.85/-18.46   | -18.39/-17.45     | -19.15/-18.44     | -18.36/-17.72     | -16.06/-16.26     | -14/-14.39        | -16.26/-18.86     | -17.62/-18        | -18.73/-18.2      | -17.75/-18.89     | -17.77/-19.38     | -18.75/-18.6      | -17.96/-18.68     | -19.16/-17.59     | -19.09/-17.42     | -16.06/-15.7      | -15.58/-15.52     | -14.66/-13.71     |
| Θ(180°)   | -14.02/-14.53 | -16.35/-18.32   | -19.03/-18.79   | -18.35/-18.68   | -17.45/-18.85   | -19.13/-17.97   | -17.06/-17.01   | -19.02/-18.7      | -18.61/-16.33     | -13.72/-13.96     | -15.8/-15.94      | -14.23/-14.44     | -15.93/-16.23     | -16.7/-17.56      | -17.76/-17.97     | -19.2/-18.18      | -18.88/-17.98     | -18.5/-17.69      | -19.02/-18.6      | -17.09/-15.6      | -16.42/-16.87     | -15.05/-12.38     | -11.02/-11.17     | -12.09/-13.02     |
| Freq(Hz)  | 5.6GPol       | PhiAnt.2        | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 2.06/2.98     | 3.83/4.49       | 4.95/5.1        | 5.05/4.89       | 4.67/4.36       | 3.89/3.25       | 2.36/1.34       | -0.05/-1.73       | 4.03/-8.23        | -11.59/-9.4       | -7.03/-3.41       | -1.04/0.87        | 2.26/2.86         | 3.78/4.44         | 5.07/5.5          | <b>5.65/4.5</b>   | 5.22/4.81         | 4.25/3.37         | 2.32/1.19         | -0.31/-2.55       | -5.43/-9.34       | -13.05/-10.23     | -5.73/-2.73       | -0.65/0.78        |
| Θ(7.5°)   | 2.57/3.43     | 4.08/4.67       | 5.01/4.97       | 4.99/4.91       | 4.78/4.33       | 3.95/3.36       | 2.43/1.39       | -0.33/-2.56       | -4.88/-8.39       | -15.26/-11        | -7.45/-6.37       | -0.86/0.8         | 2.06/2.99         | 3.44/4.03         | 4.57/4.9          | 4.89/4.77         | 4.41/4.06         | 3.57/2.93         | 2.19/1.13         | -0.36/-2.43       | -5.08/-8.39       | -10.5/-7.65       | -4.52/-2.1        | -0.16/-1.56       |
| Θ(15°)    | 2.37/3.5      | 4.18/4.46       | 4.82/4.74       | 4.44/4.2        | 4.12/9.34       | 3.63/3.04       | 1.99/2.32       | -1.53/-3.66       | -1.56/-1.95       | -13.15/-14.37     | -10.33/-5.9       | -2.92/-0.44       | 1.39/2.43         | 3.94/4.17         | 4.84/5.17         | 5.33/5.28         | 4.94/4.47         | 3.89/3.36         | 2.78/1.97         | 0.38/-1.52        | -4.4/-9.22        | -14.53/-9.34      | -4.78/-1.59       | 0.03/-5.1         |
| Θ(22.5°)  | 2.45/3.28     | 4.08/4.6        | 4.93/5.11       | 4.59/4.18       | 3.65/2.93       | 2.61/2.15       | 1.09/0.35       | -2.23/-4.25       | -6.29/-9.15       | -12.53/-11.13     | -8.05/-5.41       | -2.12/0.11        | 1.34/2.39         | 3.44/2.22         | 4.77/5            | 5.07/4.79         | 4.27/3.65         | 2.91/2.12         | 1.70/7.4          | -0.79/-3.06       | -6.41/-11.12      | -14.87/-10.66     | -5.89/-2.46       | -0.06/-1.63       |
| Θ(30°)    | 1.96/2.62     | 3.32/3.8        | 4.14/3.46       | 4.27/4.06       | 3.72/4.74       | 2.23/1.5        | 0.43/-1.06      | -3.24/-7.57       | -9.2/-13.04       | -12.72/-10.13     | -9.23/-7.16       | -4.46/-2.85       | -0.73/1.54        | 2.7/2.5           | 3.7/3.8           | 3.39/3.18         | 2.89/2.67         | 2.31/1.17         | 0.23/-0.67        | -2.36/-5.24       | -9.33/-16.34      | -18.13/-12.49     | -6.82/-3.12       | -1.76/0.71        |
| Θ(37.5°)  | 1.67/2.34     | 2.91/5.37       | 3.8/3.64        | 3.45/3.11       | 3.25/2.65       | 1.88/1.04       | 0.31/-0.91      | -2.66/-5.35       | -10.79/-17.3      | -14.54/-12.32     | -10.79/-13.47     | -3.21/-2.39       | -0.31/-1.82       | 2.23/2.14         | 2.24/2.51         | 2.55/3.03         | 2.79/2.53         | 2.01/8.6          | -0.31/-1.69       | -3.47/-5.72       | -9.06/-17.35      | -15.48/-10.04     | -6.47/-4.18       | -1.56/0.31        |
| Θ(45°)    | 1.52/2.46     | 2.84/2.83       | 2.9/2.9         | 3.18/2.78       | 2.5/1.9         | 1.17/0.38       | -1.03/-2.62     | -3.9/-6.11        | -10.54/-17.25     | -18.44/-11.99     | -9.19/-7.62       | -4.23/-3.9        | -2.59/-0.22       | 0.01/-0.57        | 0.63/2.12         | 2.63/2.97         | 3.03/2.63         | 1.50/0.3          | -1.04/-2.98       | -4.79/-6.34       | -8.5/-16.25       | -17.85/-11.56     | -7.54/-4.06       | -1.37/0.31        |
| Θ(52.5°)  | 0.41/1.12     | 1.95/2.66       | 2.62/6.1        | 3.03/1.75       | 1.15/1.24       | 0.21/-1.8       | -2.78/-2.34     | -3.89/-7.98       | -11.83/-14.05     | -17.92/-10.88     | -8.87/-7.12       | -5.69/-3.95       | -2.18/-1.31       | -1.03/-0.07       | 1.41/7.7          | 1.88/2.13         | 1.62/8.89         | 0.02/-0.71        | -1.86/-3.76       | -5.9/-9.07        | -11.85/-18.25     | -19.36/-13.64     | -8.5/-3.56        | -2.36/-0.61       |
| Θ(60°)    | -1.56/0.44    | 1.43/2.3        | 2.65/1.92       | 1.86/1.25       | 0.44/-0.42      | -1.69/-1.59     | -3.53/-4.82     | -5.72/-9.06       | -13.26/-18.8      | -17.14/-14.07     | -9.51/-11.64      | -6.98/-6.69       | -2.71/-5.5        | -0.36/0.37        | 0.19/0.27         | 0.56/0.47         | -1.71/-1.75       | -2.83/-5.33       | -7.39/-10.11      | -18.68/-13.87     | 7.7/-5.36         | -3.91/-8.6        |                   |                   |
| Θ(67.5°)  | -1.93/-0.1    | 0.52/1.14       | 1.71/1.23       | 0.73/0          | -1.03/-1.5      | -3.81/-4.47     | -3.79/-4.35     | -5.13/-6.84       | -8.91/-18.21      | -18.18/-43        | -14.79/-9.56      | -11.75/-6.12      | -6.13/-5.01       | -2.59/-1.75       | -0.77/-0.77       | -0.12/0.6         | 0.4/0.38          | -1.77/-1.95       | -3.63/-6.68       | -9.04/-13.31      | -17.99/-19.01     | -18.53/-15.21     | -8.51/-6.3        | -5.03/-2.38       |
| Θ(75°)    | -2.31/-1.04   | -0.16/0.25      | 0.57/0.14       | -0.05/-0.13     | -2.13/-2.81     | -3.49/-5.69     | -5.83/-5.33     | -4.98/-5.94       | -7.76/-15.17      | -18.77/-18.13     | -18.71/-11.31     | -9.67/-6.53       | -5.09/-3.03       | -1.45/-2.31       | -1.87/-0.11       | 0.77/1.16         | 0.55/0.08         | -2.25/-3.13       | -4.62/-3.3        | -12.7/-14.9       | -17.38/-18.69     | -18.68/-14.16     | -9.13/-6.77       | -5.73/-3.12       |
| Θ(82.5°)  | -3.8/-2.07    | -1.42/-0.97     | -1.34/-0.77     | -1.31/-2.73     | -3.19/-3.8      | -4.66/-5.73     | -7.33/-7.92     | -7.32/-6          | -17.32/-11.48     | -18.98/-18.35     | -16.17/-9.6       | -11.61/-4.31      | -4.71/-2.8        | -2.82/-2.91       | -0.86/0.33        | 1.16/1.2          | -0.77/-1.13       | -3.33/-4.35       | -5.14/-9.43       | -12.89/-16.27     | -18.87/-17.31     | -16.66/-12.62     | -10.02/-8.03      | -6.26/-3.86       |
| Θ(90°)    | -5.13/-2.77   | -2.57/-2        | -2.82/-2.02     | -3.03/-3.08     | -3.46/-4.25     | -4.68/-6.81     | -6.01/-7.4      | -10.75/-11.82     | -17.28/-15.01     | -17.28/-18.78     | -12.83/-16.4      | -10.27/-3.72      | -7.49/-6.18       | -4.74/-6.14       | -1.72/-0.23       | 0.06/0.66         | -1.43/-3.33       | -5.82/-7.38       | -9.03/-9.48       | -16.83/-17.9      | -18.47/-15.17     | -14.25/-11.88     | -10.89/-9.32      | -1.66/-6.01       |
| Θ(97.5°)  | -6.84/-4.49   | -4.83/-3.42     | -3.72/-2.72     | -3.82/-3.43     | -4.25/-5.8      | -4.77/-4.72     | -6.94/-7.18     | -10.15/-12.47     | -14.6/-14.65      | -16.98/-18.46     | -18.13/-16.92     | -11.97/-10.11     | -9.63/-6.9        | -5.27/-8.15       | -4.82/-2.75       | -2.21/-2.35       | -7.16/-7.58       | -3.99/-11.15      | -12.33/-12.57     | -17.59/-23.29     | -19.14/-12.06     | -11.8/-10.95      | -13.3/-10.9       | -10.05/-8.62      |
| Θ(105°)   | -7.94/-6.63   | -6.11/4.3       | -4.38/4.04      | -4.58/-2.88     | -4.57/-6.84     | -4.98/-7.16     | -8.09/-7.56     | -9.62/-12.28      | -18.48/-18.62     | -18.38/-18.55     | -17.98/-18.34     | -16.23/-11.64     | -18.78/-10.8      | -8.32/-10.34      | -7.92/-7.53       | -7.19/-7.79       | -13.5/-13.16      | -15.18/-18.29     | -17.87/-16.37     | -18.82/-17.95     | -17.72/-14.25     | -14.59/-14.73     | -15.42/-14.77     | -10.94/-7.91      |
| Θ(112.5°) | -7.72/-7.91   | -7.84/-5.94     | -5.65/-5.13     | -5.02/-4.32     | -6.36/-6.72     | -8.17/-9.33     | -9.01/-8.59     | -9.06/-           |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|            |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ (112.5°) | -11.61/-11.94 | -13.42/-12.36   | -13.38/-17.09   | -16.61/-16.94   | -18.47/-17.9    | -18.75/-18.46   | -17.95/-18.65   | -18.66/-16.68     | -18.5/-18.2       | -18.73/-13.49     | -12.1/-18.08      | -18.36/-18.14     | -16.86/-13.4      | -17.86/-19        | -18.84/-13.16     | -13.11/-18.01     | -18.82/-17.47     | -18.16/-15.09     | -18.55/-16.99     | -14.4/-17.98      | -19.36/-16.53     | -13.77/-18.22     | -18.18/-14.27     | -11.61/-13.01     |
| Θ (120°)   | -12.35/-13.36 | -14.91/-14.83   | -15.07/-17.99   | -18.11/-14.92   | -18.09/-18.9    | -18.87/-17.46   | -18.28/-17.64   | -15.23/-14.26     | -18.5/-19.05      | -17.8/-18.02      | -17.42/-15.78     | -16.22/-18.8      | -18.21/-14.2      | -18.25/-18.93     | -18.11/-15.06     | -14.34/-18.01     | -12.87/-11.11     | -14.16/-13.21     | -16.47/-18.33     | -17.93/-18.66     | -19.14/-16.13     | -17.32/-17.84     | -18.56/-12.72     | -10.01/-12.39     |
| Θ (127.5°) | -13.38/-16.8  | -16.11/-17      | -17.19/-17.45   | -18.46/-15.37   | -17.68/-19.27   | -17.22/-19.08   | -18.46/-13.69   | -14.31/-18.54     | -17.19/-18.69     | -18.31/-15.06     | -17.87/-16.61     | -18.89/-18.41     | -18.63/-18.18     | -18.12/-19.13     | -18.6/-15.78      | -19.21/-16.79     | -18.37/-17.82     | -18.06/-14.14     | -18.03/-19.07     | -17.77/-18.04     | -18.46/-15.99     | -15.05/-17.15     | -17.68/-18.42     | -12.86/-13.8      |
| Θ (135°)   | -14.98/-17.73 | -17.84/-14.47   | -13.69/-18.2    | -17.35/-15.37   | -17.91/-18      | -18.07/-16.36   | -15.71/-17.88   | -18.06/-19.05     | -17.79/-18.1      | -17.99/-18.2      | -18.88/-19.01     | -18.69/-17.83     | -18.41/-18.24     | -17.32/-17.97     | -17.96/-18.63     | -17.19/-14.8      | -18.24/-18.9      | -18.04/-16.11     | -18.18/-18.09     | -18.81/-18.61     | -19.01/-18.13     | -15.49/-14.89     | -14.76/-13.21     | -13.28/-15.97     |
| Θ (142.5°) | -14.86/-17.63 | -18.33/-15.56   | -13.06/-10.57   | -17.62/-18.54   | -18.64/-19.14   | -17.61/-17.35   | -16.04/-18.49   | -17.78/-18.52     | -18.85/-18.08     | -18.51/-18.77     | -18.17/-15.02     | -16.27/-14.01     | -14.07/-19        | -18.59/-17.76     | -17.93/-17.81     | -19.07/-18.02     | -17.48/-18.4      | -18.15/-18.56     | -18.22/-18.75     | -18.4/-17.71      | -18.66/-18.81     | -18.83/-16.18     | -15.85/-17.35     | -18.34/-15.96     |
| Θ (150°)   | -11.09/-12.05 | -11.51/-11.7    | -12.65/-13.87   | -17.21/-17.4    | -18.09/-19.07   | -18.23/-18.79   | -18.04/-18.5    | -17.86/-17.99     | -18.47/-18        | -18.45/-18.3      | -18.28/-17.47     | -16.54/-18.13     | -18.24/-18.82     | -18.18/-18.32     | -17.11/-18.89     | -17.24/-18.72     | -17.97/-17.96     | -18.61/-17.93     | -17.88/-18.08     | -18.43/-17.66     | -18.69/-18.37     | -16.51/-15.89     | -15.33/-12.31     | -12.3/-12.24      |
| Θ (157.5°) | -14.41/-15.83 | -15.43/-15.49   | -16.72/-17.85   | -19.09/-18.27   | -18.55/-18.53   | -18.83/-18.58   | -19.32/-18.6    | -18.62/-18.64     | -18.28/-18.34     | -17.69/-18.43     | -18.57/-17.2      | -15.74/-15.61     | -17.03/-17.73     | -18.46/-18.4      | -18.54/-18.09     | -17.44/-17.97     | -18.01/-17.69     | -18.27/-18.31     | -18.88/-17.68     | -18.6/-19.15      | -14.72/-13.37     | -13.35/-13.4      | -14.55/-18.14     | -17.84/-15.7      |
| Θ (165°)   | -13.97/-13.83 | -14.52/-18.74   | -18.26/-18.72   | -17.83/-17.9    | -19.07/-19.2    | -18.39/-17.95   | -17.84/-18.24   | -18.17/-15.2      | -17.13/-18.47     | -18.35/-18.35     | -18.7/-14         | -14.08/-16.72     | -18.23/-17.89     | -19.03/-17.57     | -18.53/-18.06     | -18.9/-18.16      | -18.9/-17.8       | -18.83/-17.82     | -18.62/-19.03     | -17.11/-18.05     | -17.81/-18.94     | -18.24/-17.81     | -17.62/-18.78     | -18.78/-18.7      |
| Θ (172.5°) | -16.94/-15.78 | -15.37/-15.09   | -15.75/-15.26   | -15.73/-17.85   | -17.84/-18.91   | -17.59/-18.59   | -18.52/-18.53   | -19.07/-18.34     | -17.99/-18.46     | -15.1/-17.57      | -17.99/-18.85     | -18.58/-18.13     | -13.04/-12.48     | -13.18/-12.65     | -12.76/-15.19     | -18.14/-18.01     | -18.07/-17.92     | -18.79/-18.19     | -17.44/-17.91     | -18.5/-17.21      | -16.24/-15.95     | -14.38/-13.11     | -13.09/-13.83     | -13.1/-13.29      |
| Θ (180°)   | -14.57/-15.88 | -15.18/-15.41   | -16.61/-17.84   | -18.5/-18.15    | -18.81/-18.21   | -17.89/-17.97   | -18.14/-17.99   | -19.14/-17.87     | -18.23/-18.71     | -17.06/-18.1      | -17.77/-16.78     | -16.94/-18.82     | -16/-17.9         | -18.06/-16.7      | -17.64/-18.11     | -17.29/-19.08     | -18.17/-18.53     | -17.62/-18.14     | -18.15/-17.44     | -19.02/-17.18     | -15.87/-16.41     | -16.28/-17.06     | -17.81/-16.74     | -15.22/-13.08     |
| Freq(Hz)   | 5.885GPol.    | Phi/Ant. 2      | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain       | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ (0°)     | 2.62/3.55     | 4.38/5.08       | 5.57/5.89       | 6.126.12        | 5.85/5.48       | 5.12/4.58       | 3.72/2.8        | 1.65/0.02         | -2.63/-6.04       | -10.47/-17.35     | -8.97/-5.38       | -1.75/0.71        | 1.93/3.31         | 4.44/5.08         | 5.61/5.84         | 5.95/5.71         | 5.63/5.31         | 4.76/5.81         | 3.04/1.95         | 0.35/-1.8         | -4.69/-9.42       | -17.04/-12.21     | -6.51/-3.21       | -0.83/-1.15       |
| Θ (7.5°)   | 2.73/7.2      | 4.43/4.8        | 5.02/5.18       | 5.35/5.23       | 5.08/4.67       | 4.38/3.67       | 2.66/1.58       | -0.02/-1.79       | -5.06/-10.08      | -16.26/-14.78     | -7.61/-3.68       | -1.16/0.88        | 2.2/7.9           | 3.55/4.21         | 5.01/5.28         | 5.18/5.31         | 5.21/5.06         | 4.73/4.15         | 3.5/2.41          | 0.9/-0.97         | -3.34/-7.8        | -15.52/-13.77     | -6.54/-2.86       | -0.48/-1.42       |
| Θ (15°)    | 2.91/4.02     | 4.64/5.34       | 5.56/5.67       | 5.67/5.34       | 4.79/4.28       | 3.84/3.21       | 2.51/3.4        | -0.36/-2.37       | -5.44/-9.42       | -14.82/-17.91     | -10.94/-6.59      | -3.02/-0.46       | 1.1/2.26          | 4.95/5.1          | 5.04/4.82         | 4.58/4.61         | 4.04/3.88         | 3.24/2.15         | 0.4/-1.94         | -5.09/-10.68      | -18.71/-14.44     | -7.3/-3.02        | -0.45/-1.46       |                   |
| Θ (22.5°)  | 1.78/3.14     | 3.86/4.36       | 4.78/5.01       | 4.88/4.72       | 4.19/3.33       | 2.59/1.88       | 0.95/-0.21      | -1.78/-3.62       | -6.7/-9.97        | -13.32/-14.83     | -9.42/-5.04       | -1.99/0.46        | 1.45/2.23         | 3.24/4.21         | 4.93/5.11         | 5.24/4.77         | 4.29/4.13         | 3.54/3.29         | 2.71/1.52         | -0.4/-2.74        | -5.81/-10.7       | -14.94/-13.61     | -7.12/-3.28       | -1.03/0.69        |
| Θ (30°)    | 1.47/2.72     | 3.33/3.97       | 4.26/4.11       | 4.01/3.58       | 3.46/3.2        | 2.67/1.57       | 0.44/-0.61      | -2.3/-4.79        | -8.34/-11.91      | -14.48/-13.61     | -11.83/-8.56      | -5.33/-2.79       | -0.09/-1.39       | 2.46/3.38         | 3.99/3.94         | 3.64/3.28         | 3.14/3.08         | 2.35/1.63         | 0.96/-0.09        | -1.71/-3.53       | -6.38/-11.13      | -17.63/-13.99     | -6.61/-3.31       | -1.47/0.17        |
| Θ (37.5°)  | 1.4/2.39      | 3.02/3.18       | 3.42/3.54       | 3.39/2.88       | 2.01/1.82       | 1.56/0.59       | -0.28/-0.79     | -2.15/-4.61       | -8.37/-12.26      | -13.51/-14.22     | -11.81/-7.3       | -4.87/-3.07       | -0.12/-1.76       | 2.29/2.28         | 2.09/2.36         | 2.61/2.68         | 2.3/2.11          | 1.74/1.09         | -0.39/-1.89       | -2.41/-3.98       | -7.84/-13.31      | -18.63/-15.89     | -7.53/-3.22       | -0.86/0.12        |
| Θ (45°)    | 0.41/1.38     | 2.73/2.27       | 2.84/3.16       | 3.15/2.88       | 2.07/1.51       | 1.15/0.88       | -0.6/-2.26      | -3.73/-6.11       | -11.02/-18.96     | -17.97/-15.63     | -15.89/-9.3       | -4.89/-3.72       | -2.55/-0.18       | 0.2/-0.4          | 0.45/1.86         | 2.6/2.74          | 2.12/1.42         | 0.59/-0.6         | -1.82/-3.33       | -4.76/-6.81       | -8.8/-12.6        | -16.21/-13.8      | -8.28/-4.47       | -2.3/-1.05        |
| Θ (52.5°)  | -0.47/-1.8    | 2.16/2.55       | 2.56/2.26       | 1.72/1.92       | 1.59/1          | -0.3/-0.37      | -1.9/-2.74      | -5.28/-8.16       | -14.95/-16.43     | -16.07/-10.86     | -9.75/-9.5        | -4.77/-5.25       | -2.22/-0.84       | -2.12/-0.83       | 0.85/1.25         | 1.74/1.66         | 0.91/0.01         | -1.21/-2.85       | -3.52/-5.57       | -6.34/-10.45      | -8.9/-12.66       | -14.01/-13.72     | -9.23/-5.35       | -3.22/-1.96       |
| Θ (60°)    | -0.62/0.71    | 1.34/1.81       | 1.77/2.02       | 1.2/0.98        | 0.29/0.37       | -1.53/-2.31     | -3.13/-3.42     | -6.01/-8.7        | -17.21/-16.41     | -19.49/-17.53     | -9.38/-11.67      | -10.62/-8.81      | -5.95/-5.18       | -3.43/-2.2        | -0.46/-0.26       | -0.97/-0.54       | -0.83/-0.85       | -1.3/-2.45        | -4.14/-1.72       | -7.53/-16.86      | -14.15/-17.5      | -12.8/-10.1       | -9.76/-7.5        | -4.27/-1.94       |
| Θ (67.5°)  | -1.37/0.06    | 0.59/0.83       | 0.47/0.65       | -0.04/0.2       | -1.78/-1.79     | -2.67/-4.51     | -6.57/-6.26     | -5.55/-6.76       | -11.29/-17.97     | -17.77/-18.07     | -14.82/-15.05     | -12.37/-8.1       | -8.63/-7.09       | -4.34/-3.7        | -2.02/-1.09       | -0.91/0.08        | -0.49/-0.86       | -1.16/-1.87       | -4.22/-8.86       | -7.74/-15.88      | -16.72/-17.59     | -12.97/-9         | -9.08/-8.58       | -4.33/-2.84       |
| Θ (75°)    | -2.69/-1.28   | -0.87/-0.64     | -0.61/-0.74     | -1.17/-1.11     | -2.48/-3.14     | -4.02/-4.55     | -7.36/-8.79     | -7.86/-7.48       | -17.07/-16.31     | -18.53/-18.7      | -18.14/-13.91     | -12.92/-8.08      | -6.08/-4.16       | -2.52/-3.39       | -3.35/-1.7        | 0.01/0.47         | -1.14/-0.74       | -1.8/-2.22        | -3.91/-8.53       | -9.89/-15.14      | -16.73/-18.01     | -12.33/-9.11      | -10.7/-9.83       | -5.08/-4.42       |
| Θ (82.5°)  | -4.14/-3.49   | -2.88/-1.76     | -1.5/-2.3       | -2.44/-2.11     | -3.65/-2.97     | -4.51/-5.37     | -5.53/-9.24     | -14.88/-10.54     | -7.16/-13.1       | -16.47/-17.4      | -16.83/-12.7      | -11.94/-23        | -7/-1.94          | -3.64/-3.85       | -1.14/-0.13       | 0.99/0.93         | -1.34/-1.18       | -2.97/-3.07       | -6.07/-10.38      | -14.09/-15.54     | -19.19/-17.35     | -12.61/-10.08     | -11.52/-10.43     | -6.17/-5.54       |
| Θ (90°)    | -5.65/-5.42   | -3.94/-3.28     | -2.68/-3.91     | -3.22/-1.92     | -4.1/-3.37      | -3.95/-4.71     | -4.97/-6.08     | -12.17/-16.7      | -10.31/-13.17     | -15.26/-17.95     | -17.32/-17.31     | -10.42/-9.79      | -6.88/-6.27       | -4.76/-4.64       | -3.32/-0.06       | 0.21/0.25         | -3.58/-5.31       | -5.95/-5.31       | -7.48/-14.5       | -16.05/-18        | -18.57/-18.26     | -16.23/-11.22     | -13.49/-11.07     | -7.57/-1.18       |
| Θ (97.5°)  | -6.47/-6.96   | -4.39/-4.74     | -3.84/-4.34     | -4.12/-3.7      | -4.06/-4.39     | -4.65/-5.57     | -6.42/-5.43     | -10.5/-15.13      | -16.1/-13.98      | -13.8/-18.59      | -18.18/-18.16     | -14.04/-9.36      | -9.48/-7.6        | -5.96/-7.62       | -4.66/-2.34       | -2.27/-3.75       | -9.49/-6.46       | -11.27/-9.27      | -13.29/-17.2      | -15.66/-16.64     | -17.53/-17.71     | -16.28/-12.77     | -16.9/-11.36      | -9.19/-9.26       |
| Θ (105°)   | -9.34/-8.66   | -6.27/-6.38     | -4.43/-4.86     | -6.01/-5.31     | -4.23/-5.23     | -7.18/-5.25     | -6.79/-7.17     | -8.21/-10.77      | -17.25/-18.56     | -18.85/-16.84     | -15.67/-16.01     | -14.16/-10.48     | -12.41/-10.59     | -7.47/-12.33      | -8.1/-6.21        | -7.4/-8.58        | -15.68/-11.83     | -18.9/-15.81      | -18.52/-16.06     | -18.14/-18.75     | -18.43/-19.1      | -18.14/-14.61     | -17.47/-11.35     | -11.43/-12.22     |
| Θ (112.5°) | -11.53/-9.53  | -7.3/-7.03      | -5.46/-5.85     | -6.91/-5.06     | -5.64/-6.67     | -7.97/-10.31    | -8.84/-8.97     | -8.95/-9.51       | -13/-17.48        | -17.68/-18.03     | -18.53/-18.46     | -16.57/-16.45     | -16.35/-17.78     | -8.78/-11.39      | -9.53/-7.68       | -9.75/-12.46      | -17.25/-19.31     | -18.76/-18.63     | -18.22/-15.18     | -18.39/-18.01     | -15.56/-18.32     | -17.05/-18.4      | -16.4/-15.27      | -13.95/-13.78     |
| Θ (120°)   | -11.92/-11.38 | -9.51/-7.66     | -7.36/-6.8      | -6.07/-6.68     | -6.54/-7.77     | -8.71/-11.27    | -11.21/-11.36   | -11.93/-11.55     | -12.49/-19.05     | -16.13/-18.07     | -18.97/-16.03     | -16.32/-18.42     | -14.17/-8.45      | -11.92/-13.98     | -11.42/-13.33     | -12.12/-9.02      | -15.44/-13.76     | -12.22/-13.2      | -13.28/-13.93     | -17.3/-18.07      | -18.28/-18        | -16.81/-18.88     | -18.45/-17.46     | -16.09/-13.96     |
| Θ (127.5°) | -13.78/-14.38 | -9.81/-9.27     | -8.7/-8.97      | -9.12/-8.12     | -6.27/-9.14     | -10.84/-9.34    | -15.43/-18.56   | -17.87/-19.3      | -18.91/-14.81     | -18.6/-18.58      | -18.54/-19.15     | -15.6/-18.34      | -9.63/-12.84      | -15.59/-18.27     | -18.47/-17.18     | -13.75/-15.28     | -18.9/-18.74      | -15.47/-13.85     | -13.42/-16.7      | -18.97/-19        | -18.64/-18.21     | -18.7/-18.96      | -18.18/-16.8      | -17.06/-12.17     |
| Θ (135°)   | -18.5/-16.16  | -13.18/-15      | -10.55/-8.43    | -9.24/-11.83    | -8.35/-9.71     | -11.12/-14.44   | -11.84/-13.34   | -16.03/-18.5      | -16.46/-15.62     | -17.91/-18.17     | -17.89/-17.7      | -18.23/-14.85     | -16.37/-17.1      | -17.99/-18.08     | -17.09/-18.33     | -15.58/-17.82     | -17.71/-18.27     | -18.81/-16.21     | -17.32/-17.87     | -18.38/-18        | -18.43/-19.14     | -18.6/-18.31      | -18.39/-18.58     | -15.88/-14.42     |
| Θ (142.5°) | -18.91/-13.87 | -13.25/-16.05   | -12.62/-8.53    | -7.81/-9.63     | -12.42/-12.37   | -8.9/-11.1      | -14.57/-13.18   | -11.83/-14.88     | -14.72/-17.71     | -18.28/-18.74     | -18.96/-17.94     | -17.55/-18.01     | -18.91/-18.85     | -18.52/-18.44     | -17.35/-18.07     | -19.11/-17.46     | -17.92/-18.6      | -17.86/-16.33     | -18.49/-18.88     | -19.51/-17.79     | -18.22/-18.06     | -19.45/-18.59     | -17.36/-19.13     | -17.71/-17.29     |
| Θ (150°)   | -18.79/-18.21 | -18.05/-18.13   | -16.09/-15.03   | -13.78/-8.82    | -7.73/-10.52    | -14.48/-17.25   | -13.23/-13.09   | -16.17/-18.34     | -18.67/-18.43     | -19.04/-18.89     | -18.22/-18.22     | -18.62/-18.5      | -18.46/-19.02     | -18.45/-19.19     | -19.12/-17.99     | -15.61/-14.44     | -15.16/-15.71     | -15.08/-15.84     | -18.46/-17.73     | -18.55/-18.8      | -18.47/-17.92     | -17.56/-18.65     | -17.93/-18.94     | -17.86/-16.36     |
| Θ (157.5°) | -17.71/-18.08 | -1              |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

# Appendix H

|           |               |                |                |                |                |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|-----------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Θ(157°)   | -16/-13.3     | -15/04/-18.52  | -18/69/-15.83  | -12/79/-11.44  | -12/39/-15.21  | -19/17/-10.84  | -19/16/-18.33  | -17/62/-17.78    | -18/27/-18.61    | -18/27/-18.61    | -16/78/-17.66    | -18/14/-16.03    | -15/-12.02       | -14/48/-18.23    | -17/86/-19.29    | -18/67/-17.87    | -17/95/-17.79    | -18/32/-18.47    | -17/21/-17.65    | -17/55/-15.19    | -17/96/-17.65    | -17/86/-18.37    | -18/21/-18.08    | -17/67/-18.1     |
| Θ(165°)   | -16/9/-15.09  | -14/32/-14.78  | -19/01/-17.88  | -17/63/-18.96  | -16/49/-14.92  | -15/53/-18.5   | -18/28/-18.45  | -17/71/-19.11    | -18/06/-17.98    | -18/78/-14.92    | -16/83/-19.15    | -17/72/-19.03    | -18/44/-13.57    | -14/23/-16.52    | -17/37/-18.46    | -17/38/-18.8     | -17/11/-18.03    | -17/94/-16.98    | -16/48/-13.87    | -18/15/-15.79    | -17/34/-18.17    | -17/64/-17.21    | -13/89/-15.56    |                  |
| Θ(172.5°) | -15/09/-14.03 | -15/69/-17.39  | -17/32/-18.86  | -18/42/-18.17  | -18/4/-18.8    | -17/97/-16     | -15/01/-18.66  | -17/71/-18.12    | -12/68/-17.77    | -18/71/-18.48    | -17/14/-14.14    | -16/47/-16.93    | -16/44/-18.64    | -18/61/-18.5     | -16/98/-17.45    | -18/21/-18.58    | -18/59/-19.19    | -18/24/-17.46    | -18/89/-18.88    | -18/24/-17.02    | -13/37/-13       | -12/48/-11.36    | -12/48/-12.48    |                  |
| Θ(180°)   | -9/27/-8.74   | -9/4/-9.84     | -10/46/-12.55  | -15/33/-18.45  | -17/55/-18.53  | -18/3/-19.12   | -19/05/-16.25  | -13/87/-13.78    | -15/57/-16.42    | -14/15/-12.7     | -11/41/-10.78    | -10/07/-10.16    | -10/49/-10.7     | -11/79/-12.88    | -15/28/-17       | -18/55/-18.32    | -18/08/-18.78    | -18/02/-17.78    | -18/37/-16.88    | -18/25/-14.76    | -13/37/-12.48    | -13/12/-12.87    | -11/03/-9.71     | -9/51/-10.19     |
| Freq(Hz)  | 6.4750GPol.   | PhiAnt.2       | -              | -              | -              | -              | -              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |                  |
| Gain      | Φ(0°)Φ(7.5°)  | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
| Θ(0°)     | 3.14/4.32     | 5.1/5.42       | 5.87/6.2       | 6.56/6.88      | 6.45/6.07      | 5.58/4.91      | 4.17/2.82      | 1.15/0.51        | -3.05/-7.44      | -14/7/-18.88     | -7/36/-3.08      | -0/51/-31        | 2.96/4.11        | 5.14/5.43        | 6.13/6.54        | 6.64/6.65        | 6.34/6.1         | 5.56/4.74        | 3.9/2.7          | 1.19/-1.06       | -4.15/-10.02     | -18/6/-12.75     | -5/93/-2.76      | -0/15/-1.85      |
| Θ(7.5°)   | 3.31/4.27     | 5.19/5.68      | 6.03/6.36      | 6.6/6.67       | 6.57/6         | 5.26/4.58      | 3.48/2.16      | 0.28/-1.99       | -5/5/-9.92       | -18/18/-10.8     | -4/04/-1.16      | 1.28/2.61        | 4.01/5.1         | 5.51/5.98        | 6.26/6.54        | 6.52/6.52        | 6.15/5.73        | 4.99/4.22        | 3.25/1.98        | 0.37/-1.97       | -4/99/-10.69     | -18/76/-13.17    | -5/07/-1.75      | 0.22/2.14        |
| Θ(15°)    | 2.48/3.67     | 4.73/5.51      | 5.8/6.06       | 6.126/24       | 6.46/6.05      | 5.38/4.63      | 3.57/2.37      | 0.81/-1.22       | -4/21/-9.44      | -18/98/-13.4     | -4/72/-0.52      | 1.26/2.9         | 3.84/64          | 5.19/5.57        | 5.7/66           | 6.25/6.57        | 6.57/6.21        | 5.19/4.2         | 3.4/2.25         | 1.17/-0.61       | -3/15/-6.87      | -16/05/-18.26    | -10/35/-3.73     | -0/74/-1.12      |
| Θ(22.5°)  | 2.57/3.4      | 4.0/4.57       | 5.06/5.13      | 5.3/5.25       | 5.43/5.21      | 4.4/3.88       | 3.1/1.74       | -0/73/-3.69      | -6/32/-10.54     | -17/79/-11.11    | -4/74/-1.61      | -0/03/-15        | 2.67/3.61        | 4.23/4.72        | 5.06/5.28        | 5.53/5.78        | 5.74/5.55        | 4.86/4.03        | 2.95/1.81        | 0.45/-1.72       | -4/16/-7.62      | -15/51/-11.37    | -7/08/-3.22      | 0.28/1.55        |
| Θ(30°)    | 1.28/1.62     | 2.99/3.76      | 3.88/4.08      | 4.22/4.76      | 4.67/3.96      | 2.6/2.12       | 1.31/-0.7      | -2/44/-3         | -5/51/-11.88     | -19/37/-12.7     | -8/81/-4.76      | -1/54/-0.67      | 1.86/1.55        | 2.99/4.61        | 5.2/5.16         | 4.54/4.36        | 3.72/2.72        | 2.26/2.04        | 1.19/0.45        | -1/29/-0.45      | -5/94/-8.03      | -11/8/-9.53      | -5/83/-3.95      | -2/08/-0.1       |
| Θ(37.5°)  | 0.69/1.46     | 2.06/3.13      | 3.25/3.6       | 3.64/3.61      | 3.64/3.3       | 1.87/0.87      | -0/22/-0.88    | -3/08/-5.03      | -8/1/-9.5        | -17/62/-15.82    | -8/76/-5.85      | -4/15/-0.93      | -0/23/-0.81      | 3.03/3.91        | 3.24/3.95        | 2.52/4.49        | 2.11/7.7         | 1.24/0.61        | 0.12/-1.4        | -3/49/-6.21      | -12/08/-10.06    | -6/79/-5.34      | -3/48/-1.01      |                  |
| Θ(45°)    | 0.44/-1.08    | 2.05/2.33      | 2.79/3.38      | 3.39/3.11      | 3.28/2.53      | 1.47/0.63      | -0/41/-1.4     | -4/15/-5.68      | -9/65/-16.03     | -18/61/-17.2     | -11/55/-10.66    | -11/84/-3.98     | -1/68/-0.47      | 1.94/2.22        | 0.81/1.37        | 1.62/1.71        | 2.36/1.62        | 1.09/0.04        | -1/33/-2.66      | -4/23/-6.14      | -9/26/-10.26     | -11/22/-9.72     | -6/28/-4.58      | -2/84/-0.46      |
| Θ(52.5°)  | -0/34/-0.57   | 0.55/0.86      | 1.43/1.91      | 2.35/2.21      | 1.61/1.11      | 0.85/-0.26     | -1/7/-2.97     | -4/07/-5.63      | -10/27/-18.53    | -18/04/-19.05    | -18/37/-9.86     | -6/76/-4.62      | -2/78/-1.7       | -1/01/-1.1       | -0.85/0.94       | 1.28/0.77        | 0.68/0.57        | 0.59/-0.69       | -3/36/-3.19      | -5/91/-6.17      | -10/54/-13.78    | -14/71/-19.4     | -7/68/-5.77      | -3/72/-1.34      |
| Θ(60°)    | -1/85/-1.52   | -0/94/-0.16    | 0.27/1.44      | 0.91/1.8       | 0.75/-0.43     | -0/66/-1.01    | -2/83/-4.46    | -6/78/-9.63      | -13/47/-18.01    | -18/95/-10.91    | -15/92/-11.68    | -8/2/-8.23       | -5/24/-5.53      | -5/32/-3.06      | -2/94/-1.71      | -1/98/-1.98      | -0/08/-0.8       | -0/93/-2         | -6/21/-4.5       | -7/09/-8.05      | -11/53/-14.42    | -13/3/-48        | -6/61/-4.31      | -3/98/-2.56      |
| Θ(67.5°)  | -3/67/-2.91   | -1/73/-1.22    | -0/04/0.5      | 0.01/-0.58     | -1/59/-1.58    | -1/97/-4.72    | -5/18/-4.69    | -5/85/-12.19     | -18/23/-18.27    | -18/18/-13.73    | -14/49/-14.49    | -16/08/-10.86    | -9/43/-13.36     | -6/93/-5         | -2/91/-2.43      | -2/15/-1.83      | -0/68/-1.07      | -1/84/-2.9       | -7/11/-7.83      | -8/67/-12.29     | -16/02/-15.8     | -13/15/-9.54     | -6/64/-3.91      | -4/86/-3.93      |
| Θ(75°)    | -4/8/-3.33    | -2/66/-2.18    | -1/11/-0.14    | -1/21/-1.54    | -3/42/-1.47    | -4/1/-6.92     | -8/6/-8.41     | -6/-6/-8.95      | -12/09/-12.71    | -12/99/-17.59    | -14/89/-17.88    | -16/-18/-18.25   | -11/02/-9.16     | -5/39/-5.62      | -6/43/-1.19      | 0.55/0.14        | -0/28/-0.71      | -2/37/-3.86      | -7/94/-14.07     | -11/01/-14.83    | -18/28/-19.09    | -13/28/-9.11     | -5/66/-4.39      | -6/6/-9.07       |
| Θ(82.5°)  | -6/11/-3.43   | -3/23/-3.16    | -2/22/-1.62    | -2/23/-3.67    | -4/45/-5.44    | -6/58/-5.1     | -9/51/-13.04   | -9/09/-10.01     | -12/88/-12.47    | -9/35/-16.34     | -16/63/-17.54    | -8/81/-6.99      | -7/5/-4.22       | -3/9/-7.65       | -3/97/0.74       | 2.01/0.9         | -0/9/-1.79       | -4/45/-5.57      | -9/86/-11.54     | -14/65/-18.6     | -18/1/-15.77     | -11/7/-10.93     | -7/4/-84         | -9/02/-7.07      |
| Θ(90°)    | -7/06/-4.01   | -3/87/-4.37    | -2/89/-3.3     | -2/83/-4.55    | -5/29/-5.69    | -5/94/-5.4     | -9/08/-10.78   | -14/2/-18.75     | -11/02/-12.29    | -11/02/-18.32    | -13/2/-9.65      | -18/46/-12.9     | -8/95/-4.96      | -6/41/-8.44      | -4/35/-0.09      | 1.17/-0.15       | -2/6/-3.43       | -8/8/-7.81       | -11/88/-17.9     | -18/65/-19.24    | -18/58/-15.24    | -9/91/-11.01     | -6/2/-6.1        | -10/94/-8.13     |
| Θ(97.5°)  | -6/67/-4.59   | -5/84/-6.93    | -3/45/-4.76    | -4/41/-4.81    | -5/65/-5.89    | -5/93/-5.9     | -7/5/-8.28     | -16/03/-14.28    | -18/43/-11.92    | -10/67/-12.48    | -17/95/-12.8     | -18/46/-7.3      | -10/14/-8.22     | -7/10/-3.39      | -5/66/-2.46      | -1/48/-4.18      | -8/94/-6.41      | -15/78/-13.37    | -16/12/-18.11    | -18/43/-18.13    | -15/86/-13.59    | -9/37/-13.94     | -9/62/-12.08     | -12/05/-9.18     |
| Θ(105°)   | -6/53/-6.84   | -7/06/-8.02    | -4/41/-6.14    | -5/22/-6.11    | -5/57/-6.66    | -6/33/-10.01   | -7/11/-7.81    | -15/11/-13.6     | -14/94/-18.41    | -14/94/-12.66    | -17/65/-12.22    | -11/78/-18.22    | -9/61/-15.7      | -8/94/-10.8      | -8/98/-8.23      | -7/16/-9.47      | -15/89/-10.43    | -18/7/-18.9      | -15/87/-14.53    | -16/92/-18.37    | -15/45/-19.47    | -9/73/-14.41     | -14/18/-13.57    | -11/71/-6.69     |
| Θ(112.5°) | -7/56/-8.97   | -8/74/-9.31    | -6/01/-6.36    | -6/28/-7.19    | -6/29/-7.39    | -7/95/-11.42   | -9/44/-9.13    | -12/63/-12.5     | -15/77/-18.12    | -16/04/-11.52    | -17/76/-18.04    | -18/58/-18.75    | -16/79/-8.9      | -9/73/-11.12     | -9/05/-7.7       | -8/38/-17.27     | -13/4/-8.27      | -18/09/-15.38    | -12/5/-9.61      | -18/39/-15       | -11/38/-14.8     | -17/23/-17.9     | -17/31/-14.96    | -12/06/-8.07     |
| Θ(120°)   | -11/53/-9.74  | -10/51/-10.7   | -7/9/-6.06     | -7/41/-8.18    | -8/29/-7.76    | -10/24/-11.62  | -15/21/-13.67  | -15/16/-14.95    | -17/03/-17.75    | -16/37/-18.67    | -18/26/-13.82    | -17/8/-8.54      | -12/48/-18.08    | -17/52/-10.19    | -11/15/-9.43     | -11/67/-14.81    | -16/26/-8.96     | -18/38/-18.08    | -17/61/-14.66    | -18/76/-18.42    | -17/61/-14.66    | -13/28/-12.76    | -11/81/-10.66    |                  |
| Θ(127.5°) | -13/93/-14.82 | -15/63/-10.3   | -11/27/-7.73   | -6/77/-5.89    | -10/9/-9.21    | -12/84/-10.81  | -13/24/-18.99  | -15/23/-14.81    | -16/81/-16.67    | -19/15/-16.58    | -15/42/-16.01    | -18/54/-14.1     | -11/1/-13.8      | -17/92/-17.03    | -17/82/-18.41    | -15/56/-12.03    | -18/95/-16.71    | -17/62/-18.99    | -18/73/-17.72    | -17/45/-19.82    | -18/26/-17.87    | -11/85/-9.76     | -10/93/-12.9     |                  |
| Θ(135°)   | -18/94/-18.84 | -13/92/-9.98   | -12/7/-9.02    | -8/23/-9.44    | -12/67/-9.67   | -10/1/-17.09   | -16/12/-15.88  | -16/52/-18.65    | -17/62/-16.08    | -18/83/-15.39    | -17/47/-18.59    | -18/96/-11.94    | -15/33/-19.19    | -17/45/-18.1     | -18/58/-19.15    | -16/71/-15.79    | -12/09/-11.19    | -16/27/-13.38    | -15/45/-17.76    | -17/78/-17.14    | -18/38/-17.32    | -11/03/-13.75    | -8/88/-9.38      | -13/8/-16        |
| Θ(142.5°) | -18/13/-17.81 | -10/86/-16.06  | -11/31/-11.45  | -12/3/-8.37    | -9/96/-13.95   | -13/91/-14.71  | -19/37/-15.11  | -16/21/-15.85    | -18/87/-17.68    | -18/68/-18.32    | -18/42/-17.27    | -18/33/-13.92    | -17/36/-17.82    | -18/5/-17.55     | -17/99/-14.08    | -13/49/-17.48    | -18/87/-15.83    | -17/59/-18.45    | -18/29/-17.47    | -16/27/-17.17    | -17/91/-14.05    | -11/72/-10.24    | -10/17/-10.82    | -14/34/-14.34    |
| Θ(150°)   | -17/81/-15.49 | -18/53/-11.48  | -9/84/-13.09   | -12/01/-11.24  | -9/18/-9.05    | -13/66/-18.22  | -18/93/-18.41  | -17/62/-18.12    | -18/24/-16.96    | -17/44/-18.5     | -17/61/-19.49    | -17/7/-17.12     | -17/11/-19.06    | -18/97/-18.78    | -15/48/-18.94    | -16/18/-18.72    | -18/79/-18.12    | -17/61/-18.29    | -18/43/-16.82    | -18/32/-14.07    | -14/65/-18.57    | -14/34/-12.29    | -18/84/-17.26    | -18/94/-17.72    |
| Θ(157.5°) | -18/89/-18.7  | -18/56/-12.89  | -10/36/-9.69   | -11/54/-14.45  | -15/59/-15.4   | -17/99/-15.77  | -14/64/-18.97  | -18/95/-17.02    | -19/1/-18.36     | -18/38/-18.52    | -18/44/-17.8     | -17/57/-16.08    | -17/32/-17.94    | -16/49/-18.33    | -17/84/-17.15    | -18/64/-18.06    | -18/25/-18.67    | -18/3/-14.36     | -13/47/-13.32    | -13/64/-14.56    | -14/13/-15.7     | -16/74/-13.11    | -12/71/-14.66    | -18/64/-19.34    |
| Θ(165°)   | -18/87/-18.55 | -14/56/-12.32  | -12/-11/13.08  | -15/33/-18.87  | -17/66/-15.75  | -14/47/-16.68  | -18/85/-19.72  | -18/09/-17.56    | -18/76/-18.04    | -17/71/-18.47    | -17/7/-18.41     | -17/4/-18.5      | -18/07/-17.7     | -18/66/-18.11    | -18/57/-17.96    | -18/16/-17.46    | -15/63/-15.33    | -12/39/-9.42     | -8/39/-3.96      | -11/77/-13.76    | -13/32/-12.64    | -17/82/-18.38    | -18/59/-18.15    | -17/85/-18.3     |
| Θ(172.5°) | -17/81/-16.97 | -18/09/-16.72  | -16/33/-14.87  | -13/32/-12.51  | -14/37/-16.23  | -18/19/-17.96  | -18/84/-19.19  | -18/02/-18.61    | -18/54/-17.13    | -19/16/-19.54    | -18/21/-18.42    | -17/62/-17.94    | -18/01/-17.97    | -18/68/-17.23    | -17/85/-18.38    | -16/87/-14.62    | -13/48/-11.8     | -10/11/-9.55     | -10/28/-12.05    | -11/6/-10.84     | -10/38/-10.82    | -11/46/-12.96    | -15/63/-18.57    | -17/21/-18.51    |
| Θ(180°)   | -19/13/-19.04 | -18/58/-16.39  | -16/78/-17.01  | -17/34/-17.64  | -18/04/-18.01  | -18/02/-17.57  | -18/24/-17.52  | -18/7/-17.09     | -18/86/-18.53    | -18/82/-18.26    | -18/93/-17.6     | -18/22/-18.85    | -18/26/-18.45    | -18/79/-16.55    | -15/41/-16.36    | -14/48/-14.74    | -14/77/-15.13    | -13/39/-13.37    | -14/26/-16.42    | -17/15/-17.11    | -16/75/-17.87    | -19/15/-18.15    | -18/81/-19.12    | -19/07/-18.95    |
| Freq(Hz)  | 6.4750GPol.   | ThetaAnt.2     | -              | -              | -              | -              | -              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |                  |
| Gain      | Φ(0°)Φ(7.5°)  | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
| Θ(0°)     | 3.01/1.8      | 0.23/-1.56     | -4/06/-8.68    | -17/59/-17.19  | -8/7/-4.29     | -1/35/0.58     | 2.09/3.21      | 4.13/4.98        | 5.5/5.53         | 5.8/5.84         | 5.87/5.52        | 5.15/4.23        | 3.48/2.09        | 0.42/-1.84       | -4/46/-9.44      | -17/12/-15.31    | -7/66/-3.62      | -1/101/0.86      | 2.28/3.45        | 4.32/5.04        |                  |                  |                  |                  |



Radiated Composite Gain Data\_Radio 4 2.4GHz,5GHz,6GHz for EUT 2

Appendix H

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(7.5°)   | 2.06/3.47     | 4.79/5.55       | 6.19/6.54       | 7.01/7.39       | 7.3/6.9         | 6.43/5.86       | 5.11/4.09       | 2.78/1.23         | -1.05/-3.76       | -7.6/-10.49       | -7.22/-3.17       | -0.39/1.78        | 3.87/5.25         | 6.11/6.9          | 7.37/7.86         | 8.01/7.97         | 7.59/7.32         | 6.88/6.31         | 5.37/4.38         | 3.19/1.49         | -0.66/-4.17       | -9.46/-18.17      | -10.68/-6.01      | -1.87/0.73        |
| Θ(15°)    | 1.31/2.39     | 3.1/3.5         | 3.67/4.49       | 4.91/5.39       | 5.37/5.13       | 5.16/4.74       | 4.01/2.62       | 0.99/-1.17        | -4.01/-8.27       | -12.79/-7.8       | -2.82/0.35        | 2.29/3.6          | 4.46/5.42         | 6.14/6.53         | 7.14/7.68         | 7.82/7.79         | 7.38/7.04         | 6.55/5.86         | 5.06/4.09         | 2.63/0.64         | -1.63/-5.14       | -9.38/-13.73      | -12.86/-6.25      | -3.79/-0.83       |
| Θ(22.5°)  | -0.53/0.54    | 2.05/2.34       | 1.96/2.23       | 3.57/4.37       | 4.08/3.69       | 3.72/3.4        | 2.56/1.41       | 0.05/-1.63        | -3.8/-7.22        | -9.45/-4.65       | -1.03/1.08        | 2.13/3.51         | 4.65/5.32         | 5.52/5.19         | 5.37/6.54         | 7.16/7.49         | 7.38/7.07         | 6.35/5.6          | 4.71/3.54         | 2.23/0.71         | -1.41/-4.27       | -9.75/-13.91      | -8.04/-3.61       | -2.12/-1.48       |
| Θ(30°)    | -0.56/0.09    | 0.14/0.76       | 0.99/1.34       | 3.03/3.72       | 3.1/3.43        | 2.46/0.63       | 0.31/-1.39      | -3.98/-6.75       | -8.69/-8.31       | -6.97/-5.51       | -2.95/0.46        | 2.12/2.48         | 3.68/4.69         | 4.72/4.69         | 5.57/6.62         | 7.01/6.49         | 5.58/4.77         | 4.49/3.63         | 2.51/1.44         | -1.07/-3.13       | -3.55/-4.4        | -5.54/-8.39       | -13.32/-9.37      | -4.77/-1.79       |
| Θ(37.5°)  | -1.07/-0.75   | -0.96/0.22      | 0.85/1.5        | 2.87/2.43       | 1.55/2.83       | 0.74/-1.68      | -2/-4.83        | -4.62/-8.41       | -18.19/-13.47     | -7.64/-5.63       | -2.8/0.57         | 0.89/1.46         | 2.6/2.21          | 3.06/4.27         | 4.97/5.02         | 4.93/3.82         | 3.76/3.38         | 3.18/2.22         | 1.72/1.16         | -1.13/-3.06       | -4.37/-5.98       | -7.87/-9.91       | -8.05/-8.15       | -7.24/-3.47       |
| Θ(45°)    | -4.41/-2.76   | -4.04/-3.49     | -0.69/-0.16     | 0.88/1.05       | 0.17/0.92       | 0.01/-1.48      | -2.46/-5.02     | -6.31/-9.87       | -9.94/-13.61      | -11.68/-6.22      | -3.85/-3.6        | -2.16/-2.63       | -2.38/0.26        | 2.54/2.74         | 2.85/2.78         | 3.31/3.26         | 3.67/3.09         | 2.47/0.63         | -0.27/-1          | -2.14/-2.78       | -3.59/-5.22       | -5.92/-6.83       | -6.52/-6.29       | -6.14/-5.77       |
| Θ(52.5°)  | -5.22/-4.01   | -2.78/-3.22     | -1.56/-2.03     | -0.87/-0.57     | -0.21/-0.36     | -0.55/-2.44     | -3.38/-6.09     | -6.37/-10.04      | -13.13/-13.91     | -12.58/-8.45      | -8.74/-6.29       | -4.36/-3.5        | -3.67/-1.47       | -0.89/0.27        | 0.29/1            | 1.05/1.49         | 1.99/1.23         | -0.77/-1.33       | -1.54/-2.13       | -4.72/-5.54       | -6.1/-8.37        | -7.33/-6.7        | -4.99/-4.78       | -5.04/-4.74       |
| Θ(60°)    | -4.84/-3.87   | -2.94/-1.61     | -1.93/-1.46     | -1.4/-1.57      | -1.55/-2.81     | -3.78/-4.02     | -6.11/-11.52    | -6.53/-13.46      | -15.69/-18.57     | -9.02/-10.44      | -8.83/-8.8        | -7.7/-6.36        | -7.94/-3.94       | -4.41/-3.88       | -2.49/-1.96       | -3.35/-1.62       | -0.25/0.11        | -1.73/-2.12       | -2.82/-2.38       | -9.7/-8.78        | -9.12/-9.69       | -7.76/-8.2        | -6.17/-5.29       | -5.21/-5.57       |
| Θ(67.5°)  | -4.43/-3      | -2.76/-2.09     | -2.19/-1.85     | -2.34/-2.52     | -2.58/-5.06     | -5.16/-6.76     | -7.06/-12.55    | -10.43/-9.93      | -15.09/-17.8      | -11.16/-10.01     | -9.39/-9.31       | -11.42/-11.83     | -10.09/-6.1       | -6.45/-4.12       | -5.87/-7.75       | -6.87/-1.75       | 0.11/0.5          | -0.76/-1.43       | -3.37/-3.88       | -12.41/-14.09     | -13.11/-11.38     | -9.56/-8.91       | -7.5/-7.36        | -7.47/-7.24       |
| Θ(75°)    | -6.33/-4.43   | -3.92/-2.67     | -2.73/-3.49     | -2.55/-4.18     | -4.02/-6.37     | -5.42/-5.77     | -6.79/-6.21     | -10.38/-8.97      | -17.62/-16.5      | -18.41/-12.31     | -13.89/-10.97     | -14.27/-13.17     | -12.8/-14.1       | -11.49/-7.06      | -8.26/-6.37       | -2.22/0.17        | 1.97/1.19         | -0.42/-1.54       | -3.95/-9.01       | -13.07/-18.39     | -17.02/-12.23     | -11.69/-10.9      | -8.67/-7.79       | -8.3/-9.15        |
| Θ(82.5°)  | -7.21/-4.86   | -4.77/-3.91     | -4.17/-4.5      | -3.9/-6.36      | -5.94/-7.11     | -6.46/-7.98     | -10.07/-10.47   | -7.9/-9.43        | -11.96/-12.17     | -13.43/-10.4      | -8.75/-14.05      | -12.36/-12.83     | -12.65/-9.52      | -6.2/-9.87        | -7.09/-2.15       | 0.51/3.4          | 2.03/0.56         | -3.28/-4.92       | -7.83/-16.3       | -12.22/-17.22     | -15.35/-11.99     | -15.71/-14.59     | -11.69/-9.59      | -8.96/-10.61      |
| Θ(90°)    | -7.05/-7.06   | -6/-6.73        | -6.27/-5.52     | -6.39/-8.77     | -6.68/-8.64     | -8.09/-9.51     | -12.78/-18.44   | -14.88/-7.69      | -14.18/-15.27     | -18.99/-8         | -5.83/-18.27      | -16.7/-14.37      | -17.06/-8.4       | -5.56/-7.8        | -6.13/-0.56       | 0.84/0.51         | -0.06/-1.89       | -6.8/-9.96        | -10.89/-18.54     | -12.4/-15.39      | -10.18/-10.67     | -14.27/-17.12     | -11.98/-11.5      | -9.05/-10.97      |
| Θ(97.5°)  | -6.66/-8.5    | -7.41/-9.19     | -7.73/-6.45     | -10/-9.18       | -8.91/-10.42    | -9.93/-10.55    | -10.08/-12.43   | -18.26/-7.98      | -15.9/-18.92      | -15.74/-17.86     | -5.78/-13.05      | -11.25/-18.36     | -9.75/-9.12       | -7.79/-9.32       | -7.34/-2.14       | -0.72/-5.23       | -4.28/-6.52       | -11.88/-14.62     | -10.55/-16        | -18.67/-12.39     | -10.86/-10.55     | -17.55/-17.83     | -14.54/-12.43     | -9.1/-10.49       |
| Θ(105°)   | -8.84/-8.71   | -9.12/-9.02     | -9.35/-7.69     | -8.79/-11.81    | -9.35/-10.38    | -8.88/-10.33    | -9.27/-9.65     | -17.02/-13.31     | -17.92/-19.12     | -15.93/-19.28     | -8.9/-15.89       | -17.72/-17.94     | -11.87/-16.11     | -10.31/-13.62     | -11.78/-5.47      | -4.42/-13.28      | -15.77/-17.39     | -14.42/-12.56     | -18.08/-15.88     | -16.17/-13.68     | -16.49/-17.43     | -15.98/-10.27     | -9.29/-10.57      |                   |
| Θ(112.5°) | -11.38/-9.2   | -12.31/-10.02   | -12.64/-7.23    | -11.17/-13.39   | -9.87/-11.1     | -10.3/-11.77    | -9.86/-11.77    | -12.45/-13.55     | -18.75/-11.98     | -17.33/-11.25     | -19.17/-12.57     | -18.73/-13.69     | -17.41/-9.04      | -11.33/-17.79     | -7.43/-5.79       | -6.16/-14.15      | -14.15/-13.88     | -17.96/-17.91     | -13.31/-15.34     | -17.48/-17.5      | -18.22/-17.24     | -17.89/-16.67     | -12.99/-11.32     | -12.08/-9.53      |
| Θ(120°)   | -13.23/-11.93 | -12.97/-9.92    | -10.92/-9.37    | -12.65/-10.02   | -10.35/-11.35   | -11.89/-14.01   | -18.27/-18.23   | -18.1/-16.41      | -18.63/-17.96     | -12.15/-14.72     | -18.53/-12.8      | -13/-18.64        | -18.1/-8.68       | -10.13/-18.86     | -16.08/-11.03     | -8.93/-12.55      | -16.43/-12.11     | -14.16/-13.66     | -15.11/-13.79     | -17.44/-18.57     | -19.33/-17.16     | -17.79/-13.96     | -14.99/-16.83     | -17.16/-14.12     |
| Θ(127.5°) | -15.29/-16.6  | -15.57/-12.69   | -12.48/-12.69   | -11.98/-15.09   | -11.26/-9.99    | -11.18/-12.12   | -17.95/-16.18   | -14.47/-16.16     | -18.1/-18.34      | -15.02/-17.67     | -12.81/-12.94     | -14.07/-16.04     | -17.31/-17.9      | -18.55/-15.88     | -18.03/-18.58     | -18.38/-18.42     | -17.75/-18.57     | -17.78/-11.51     | -11.77/-18.76     | -18.32/-16.98     | -18.4/-16.25      | -17.88/-15.12     | -17.84/-17.59     | -16.45/-18.06     |
| Θ(135°)   | -12.56/-18.27 | -12.76/-16.03   | -12.65/-15.51   | -12.26/-12.64   | -8.65/-9.89     | -14.1/-12.28    | -14.9/-17.85    | -15.83/-15.99     | -18.18/-17.96     | -18.07/-14.13     | -13.13/-18.31     | -12.33/-18.06     | -14.09/-16.62     | -17.91/-18.51     | -17.67/-17.09     | -12.08/-12.73     | -14.85/-17.96     | -18.07/-11.71     | -18.22/-18.35     | -18.52/-18.07     | -17.03/-18.5      | -17.27/-18.07     | -18.46/-15.42     |                   |
| Θ(142.5°) | -18.41/-14.28 | -13.68/-14.54   | -10.98/-15.97   | -10.54/-10.71   | -11.61/-13.07   | -14.9/-13.6     | -13.89/-17.97   | -18.31/-18.74     | -15.64/-13.34     | -15.48/-18.39     | -14.61/-14.56     | -19.03/-17.36     | -15.73/-18.84     | -16.4/-14.02      | -14.44/-18.64     | -12.09/-8.94      | -11.42/-14.67     | -11.8/-12.37      | -15.52/-18.89     | -19.06/-17.98     | -18.74/-18.17     | -18.86/-18.13     | -17.42/-18.46     | -19.37/-14.75     |
| Θ(150°)   | -18.84/-18.08 | -17.56/-17.87   | -16.53/-15.3    | -12.43/-12.43   | -8.93/-9.78     | -9.88/-13.74    | -13.61/-11.92   | -13.1/-10.64      | -7.85/-11.29      | -18.58/-15.49     | -18.18/-17.88     | -16.74/-18.19     | -14.51/-18.48     | -14.24/-18.72     | -11.34/-11.8      | -13.06/-13.99     | -14.54/-16.87     | -18.02/-18.39     | -18.92/-18.38     | -18.67/-17.92     | -18.98/-11.81     | -19.12/-16.16     | -18.56/-18.5      | -17.9/-17.54      |
| Θ(157.5°) | -18.6/-18.76  | -18.26/-19.07   | -19.11/-17.91   | -13.52/-11.93   | -12.46/-13.17   | -10.89/-13.45   | -10.87/-9.65    | -14.02/-18.5      | -17.48/-18.04     | -18.66/-17.66     | -18.1/-18.19      | -17.85/-18.53     | -18.34/-18.69     | -18.43/-17.24     | -18.41/-18.88     | -17.06/-19.03     | -18.42/-18.92     | -17.35/-12.96     | -10.88/-13.4      | -12.28/-15.8      | -17.9/-18.97      | -18.24/-19.01     | -17.4/-17.94      | -18.74/-18.3      |
| Θ(165°)   | -17.32/-18.64 | -18.98/-17.53   | -18.87/-18.15   | -17.12/-11.7    | -18.18/-16.1    | -12.64/-13.16   | -16.36/-17.66   | -16.37/-14.58     | -17.32/-18.95     | -18/-18.72        | -18.51/-17.71     | -17.66/-18.25     | -18.9/-14.01      | -17.18/-19.33     | -18.49/-18.14     | -17.43/-17.59     | -17.36/-14.02     | -11.12/-10.61     | -10.99/-12.17     | -15.68/-17.92     | -16.31/-15.22     | -18.41/-17.7      | -17.71/-18.82     |                   |
| Θ(172.5°) | -18.8/-18.71  | -16.78/-14.59   | -15.06/-15.31   | -15.16/-13.65   | -12.74/-12.46   | -15.77/-15.77   | -16.54/-17.52   | -16.85/-14.99     | -15.35/-16.03     | -19.02/-17.2      | -18.09/-18.65     | -18.25/-17.96     | -18.56/-17.89     | -19.04/-17.62     | -18.8/-18.45      | -18.22/-19.13     | -17.91/-18.54     | -18.34/-18.28     | -17.79/-18.05     | -18.78/-17.91     | -17.56/-19.02     | -17.96/-18.46     | -18.61/-17.59     |                   |
| Θ(180°)   | -17.08/-17.65 | -17.03/-19.17   | -19.39/-18.04   | -18.38/-18.9    | -19.09/-19.08   | -16.97/-17.06   | -17.25/-18.94   | -18.51/-18.25     | -17.87/-18.17     | -18.28/-17.33     | -16.83/-16.61     | -15.92/-16.4      | -16.15/-14.34     | -17.43/-18.04     | -19/-17.88        | -18.1/-19.16      | -17.88/-17.74     | -17.71/-17.91     | -17.19/-18.83     | -17.02/-17.93     | -17.7/-18.51      | -17.8/-18.07      | -17.93/-18.24     | -18.43/-19.32     |
| Freq(Hz)  | 6.995GPol.    | ThetaAnt. 2     | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 4.87/3.81     | 2.87/1.53       | -0.47/-2.99     | -6.61/-13.37    | -16.98/-8.92    | -4.26/-1.25     | 0.94/2.68       | 3.85/4.96         | 5.65/5.64         | 6.27/6.47         | 6.45/6.36         | 6.03/5.65         | 4.87/3.79         | 2.62/0.98         | -1.44/-4.4        | -10.73/-19.22     | -11.58/-5.78      | -2.33/0.18        | 1.94/3.27         | 4.45/5.23         | 5.73/6.12         | 6.36/6.57         | 6.32/6.1          | 6.11/5.63         |
| Θ(7.5°)   | 3.45/2.06     | 0.95/-0.67      | -2.86/-6.34     | -12.91/-18.68   | -10.87/-5.3     | -2.03/0.41      | 2.18/3.48       | 5.82/5.99         | 6.32/6.54         | 6.41/6.24         | 6.18/5.97         | 5.43/4.61         | 3.52/2.11         | 0.29/-2.32        | -6.44/-13.24      | -15.39/-8.94      | -4.4/-1.55        | 0.46/2.03         | 3.2/3.93          | 4.73/5.15         | 5.43/5.66         | 5.36/5.12         | 4.74/4.23         |                   |
| Θ(15°)    | -0.38/-2.01   | -3.86/-4.33     | -5.02/-8.4      | -13.59/-17.97   | -12.94/-6.57    | -2.75/0.27      | 2.13/3.6        | 4.19/4.67         | 5.28/5.84         | 6.23/6.73         | 7.04/6.64         | 5.87/5.56         | 4.83/9.5          | 2.88/1.77         | 0.13/-2.68        | -6.26/-10.1       | -11.82/-10.77     | -6.85/-3.7        | -1.12/0.87        | 2.13/2.76         | 3.25/3.53         | 3.65/3.83         | 3.32/1.7          | 1.8/1.11          |
| Θ(22.5°)  | -1.55/-3.94   | -7.93/-11.9     | -10.29/-10.65   | -13.2/-15.76    | -9.85/-5.3      | -1.80/-47       | 1.76/2.91       | 3.89/4.7          | 5.29/5.45         | 5.58/5.7          | 5.34/4.52         | 4.04/4            | 3.67/2.57         | 0.82/-0.05        | -0.84/-2.59       | -6.48/-14.44      | -12.92/-6.56      | -3.29/-1.28       | 0.53/1.6          | 2.55/3.12         | 2.89/2.83         | 3.13/2.28         | 2.88/2.09         | 1.32/0.12         |
| Θ(30°)    | -1.9/-3.46    | -7.1/-12.11     | -12.86/-14.61   | -18.76/-14.86   | -11.11/-7.32    | -2.82/-1.63     | 0.2/29          | 3.1/3.36          | 3.79/4.57         | 4.68/3.8          | 3.69/3.67         | 2.31/1.48         | 1.93/0.34         | -1.53/-2.09       | -3.64/-4.03       | -8.79/-9.41       | -7.56/-6.92       | -4.18/-0.5        | 0.15/-0.15        | 0.22/1.58         | 2.78/3.3          | 3.67/3.94         | 3.63/1.8          | 0.31/-0.24        |
| Θ(37.5°)  | -1.63/-2.45   | -4.83/-9.81     | -19.27/-18.88   | -19.33/-11.12   | -8.4/-7.44      | -2.95/-1.6      | -0.40/-57       | 1.11/1.8          | 2.53/3.03         | 2.48/1.71         | 1.33/1.14         | -0.37/0.39        | 0.95/-1.74        | -2.8/-1.24        | -5.11/-10.16      | -13.84/-8.33      | -8.13/-6.49       | -3.94/-0.47       | -0.15/0.34        | 1.14/1.1          | 1.48/2.04         | 2.48/2.64         | 1.7/-0.13         | -0.62/-0.9        |
| Θ(45°)    | -4.79/-6.88   | -8.14/-13.29    | -17.98/-17.88   | -17.93/-12.02   | -6.57/-6.62     | -3.56/-1.81     | -1.31/-1.01     | -0.79/-1.43       | -0.9/-0.21        | -1.92/-0.78       | -0.46/0.74        | -1.46/-2.55       | -2.26/-3.16       | -2.47/-3.16       | -6.86/-13.92      | -17.47/-13.38     | -11.84/-3         | -1.43/-1.75       | -0.19/-0.66       | -0.49/0.71        | 1.89/2.54         | 1.61/-0.09        | 0.2/-0.23         | -0.76/-2.82       |
| Θ(52.5°)  | -6.36/-9.17   | -10.14/-18.7    | -18.08/-17.25   | -17.59/-11.94   | -11.67/-9.17    | -5.58/-4        | -3.55/-2.44     | -3.71/-5.39       | -3.33/-1.83       | -2.14/-1.49       | -1.3/-0.68        | -1.22/-2.05       | -2.45/-4.57       | -4.35/-6.77       | -11.9/-19.69      | -19.1/-18.98      | -8.63/-2.77       | -3.49/-3.71       | -1.67/-1.76       | -0.43/0.58        | 0.48/1.18         | 0.78/-1.71</      |                   |                   |

## Total Gain Data

| ΔFreq(Hz) | 245GPol.      | TotalAnt.1    | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
|-----------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Gain      | 0.48/4.75     | -3.69/-3.35   | -3.20/-3.20    | -3.51/-0.42    | -4.44/-4.82    | -5.22/-5.54    | -5.57/-5.60    | -5.79/-5.84    | -6.10/-6.51      | -6.53/-6.14      | -6.66/-5.29      | -5.41/-5.84      | -6.26/-6.37      | -6.28/-5.99      | -5.83/-5.75      | -5.87/-6.00      | -6.08/-5.98      | -5.90/-5.97      | -6.29/-6.17      | -5.35/-4.76      | -4.73/-5.07      | -5.14/-4.99      | -4.80/-4.62      | -4.63/-4.59      |                  |
| Θ(0°)     | 8.50/-7.99    | -7.30/-6.59   | -6.06/-5.81    | -5.97/-6.05    | -5.62/-5.19    | -5.17/-5.22    | -4.80/-4.14    | -3.74/-3.71    | -3.95/-3.83      | -3.32/-2.93      | -2.73/-2.47      | -2.67/-2.67      | -2.69/-2.87      | -3.06/-3.18      | -3.24/-3.41      | -3.66/-4.11      | -4.71/-5.43      | -5.90/-6.31      | -6.83/-7.99      | -8.24/-8.39      | -8.74/-10.02     | -11.23/-11.11    | -9.96/-9.05      | -8.83/-8.84      |                  |
| Θ(7.5°)   | 7.33/-6.87    | -6.45/-5.86   | -5.62/-5.72    | -6.27/-6.62    | -6.23/-6.71    | -5.85/-6.08    | -5.54/-4.44    | -3.51/-3.16    | -3.35/-3.40      | -2.78/-1.90      | -1.26/-1.18      | -1.38/-1.37      | -1.32/-1.43      | -1.70/-1.87      | -1.98/-2.01      | -2.07/-2.26      | -2.62/-3.06      | -3.53/-3.49      | -3.47/-3.92      | -4.80/-5.75      | -6.05/-6.22      | -7.10/-8.24      | -9.01/-8.99      | -8.41/-7.88      |                  |
| Θ(22.5°)  | 4.53/-4.25    | -3.87/-3.59   | -3.59/-4.14    | -5.22/-6.34    | -6.51/-6.07    | -5.65/-6.41    | -5.23/-5.18    | -4.88/-4.32    | -3.37/-3.46      | -3.09/-2.26      | -1.30/-0.76      | -0.59/-0.47      | -0.43/-0.60      | -0.98/-1.46      | -1.17/-1.66      | -1.29/-1.00      | -0.77/-0.67      | -0.74/-0.97      | -1.29/-1.52      | -1.70/-1.61      | -1.27/-0.99      | -1.18/-1.80      | -2.72/-3.70      | -4.50/-4.75      |                  |
| Θ(30°)    | 4.70/-4.20    | -3.35/-2.83   | -2.79/-3.28    | -4.25/-5.28    | -5.30/-4.50    | -3.34/-2.41    | -2.12/-2.37    | -2.94/-3.20    | -2.93/-2.36      | -1.78/-1.28      | -0.79/-0.30      | 0.22/0.63        | 0.89/0.96        | 0.59/-0.06       | -0.65/-0.81      | -0.59/-0.16      | 0.26/0.50        | 0.37/0.21        | -1.21/-1.96      | -1.93/-1.56      | -0.79/-0.26      | -0.08/-0.32      | -0.92/-1.96      | -3.46/-4.71      |                  |
| Θ(37.5°)  | 5.84/-4.99    | -3.68/-3.03   | -3.01/-3.31    | -3.62/-3.64    | -3.02/-2.18    | -1.38/-0.92    | -0.72/-0.66    | -0.78/-1.04    | -1.31/-1.09      | -0.11/-0.75      | 1.24/-1.46       | 1.67/1.83        | 1.94/-1.20       | 1.98/-1.41       | 0.69/0.03        | -0.39/-0.31      | -0.13/-0.11      | -0.39/-1.07      | -2.08/-3.15      | -3.93/-4.20      | -3.99/-3.52      | -3.25/-2.85      | -2.73/-3.34      | -4.74/-5.80      |                  |
| Θ(45°)    | 2.77/-2.28    | -2.22/-2.53   | -3.13/-3.53    | -3.05/-2.18    | -1.32/-0.85    | -0.83/-1.11    | -1.22/-1.03    | -0.66/-0.48    | -0.55/-0.54      | 0.09/1.07        | 1.88/2.43        | 2.69/2.66        | 2.45/-2.50       | 2.73/2.70        | 1.96/0.81        | -0.46/-1.16      | -1.18/-0.88      | -0.56/-0.46      | -0.85/-1.81      | -3.25/-4.73      | -5.65/-7.16      | -8.39/-8.60      | -6.76/-5.81      | -5.08/-3.72      |                  |
| Θ(52.5°)  | 0.75/-0.47    | -1.22/-1.94   | -2.24/-2.33    | -1.96/-1.67    | -1.35/-1.22    | -1.52/-1.97    | -2.13/-1.85    | -1.32/-0.92    | -0.74/-0.72      | -0.42/-0.34      | 1.42/-2.48       | 3.15/-3.10       | 2.58/-2.56       | 3.01/-2.92       | 2.05/-0.68       | -0.79/-1.98      | -2.42/-1.99      | -1.09/-0.36      | -0.39/-1.59      | -3.41/-4.73      | -5.39/-4.79      | -11.02/-10.94    | -7.92/-6.96      | -4.03/-1.81      |                  |
| Θ(60°)    | 1.17/-1.17    | -0.64/-2.39   | -1.85/-0.84    | -0.28/-0.72    | -1.59/-2.09    | -2.58/-2.95    | -2.71/-2.23    | -1.82/-1.60    | -1.89/-2.32      | -2.09/-1.19      | -0.19/-0.92      | 1.85/-2.32       | 1.91/-1.33       | 1.31/-1.37       | 1.08/-0.37       | -1.53/-4.18      | -5.63/-5.01      | -3.07/-1.34      | -0.81/-1.31      | -2.14/-2.72      | -3.28/-4.65      | -6.83/-6.49      | -4.76/-3.73      | -2.55/-0.72      |                  |
| Θ(67.5°)  | 2.13/2.68     | 1.05/-1.71    | -2.02/-0.98    | 0.01/0.02      | -0.52/-1.06    | -0.22/-0.83    | -2.62/-1.97    | -1.51/-1.59    | -2.21/-2.66      | -2.08/-1.02      | 1.22/-2.91       | 1.39/-1.49       | 0.70/1.06        | 1.09/0.16        | -3.05/-7.44      | -7.48/-5.39      | -2.96/-1.46      | -0.96/-1.25      | -2.10/-2.91      | -3.54/-5.08      | -6.67/-5.47      | -3.40/-2.38      | -1.68/-0.28      | -1.68/-0.28      |                  |
| Θ(75°)    | 0.94/1.54     | 0.95/-0.65    | -0.60/-0.54    | -0.79/-0.64    | -0.34/-0.27    | -1.13/-2.15    | -2.21/-1.79    | -1.70/-1.97    | -2.34/-2.34      | -2.00/-1.72      | -1.80/-1.62      | 0.09/1.31        | 0.81/0.33        | 0.74/0.51        | 0.48/-0.76       | -5.27/-0.10      | -6.90/-4.72      | -3.17/-1.71      | -3.16/-3.87      | -5.46/-7.10      | -5.98/-5.14      | -5.05/-4.15      | -2.89/-1.81      | -0.71/0.00       |                  |
| Θ(82.5°)  | 1.34/0.45     | -1.08/-2.30   | -0.34/0.60     | -0.49/-1.36    | -1.29/-1.47    | -2.42/-2.85    | -2.32/-1.93    | -2.38/-2.75    | -3.39/-3.21      | -2.26/-1.04      | 0.71/1.30        | 0.24/0.39        | 0.32/-0.88       | -1.26/-3.06      | -6.33/-7.37      | -5.78/-4.33      | -3.65/-3.73      | -4.56/-4.90      | -5.63/-6.91      | -7.03/-6.27      | -4.51/-3.08      | -2.44/-2.51      | -1.29/0.40       | -1.29/0.40       |                  |
| Θ(90°)    | 1.13/0.80     | -1.27/-3.39   | -1.33/0.81     | -1.31/-1.54    | -1.67/-2.86    | -4.73/-4.31    | -2.28/-0.96    | -0.58/-0.90    | -1.74/-3.06      | -3.79/-2.23      | -1.00/-1.20      | -0.45/0.32       | -0.56/0.19       | -0.63/-1.88      | -2.26/-3.47      | -4.42/-6.05      | -4.57/-3.84      | -4.93/-5.59      | -6.39/-6.14      | -3.92/-3.25      | -1.77/-2.82      | -3.89/-3.64      | -2.63/-2.40      | -2.66/-0.88      |                  |
| Θ(97.5°)  | 0.99/-0.37    | -2.47/-4.57   | -2.51/0.49     | -0.11/-1.80    | -1.24/-2.72    | -4.95/-5.79    | -3.50/-1.74    | -1.24/-1.85    | -2.86/-3.29      | -2.63/-1.54      | -1.90/-3.22      | -0.27/0.20       | -1.26/-1.78      | -2.75/-3.11      | -3.03/-2.14      | -2.23/-5.51      | -5.67/-5.77      | -12.88/-8.86     | -5.60/-3.65      | -2.22/-1.02      | -0.55/-1.20      | -2.49/-4.41      | -4.27/-2.41      | -2.71/-3.27      |                  |
| Θ(105°)   | -2.10/-1.08   | -2.94/-5.38   | -4.20/-0.44    | -0.82/-2.84    | -2.85/-3.01    | -5.07/-5.94    | -4.37/-2.89    | -2.22/-1.90    | -0.88/-1.06      | -1.43/-1.15      | -0.56/-1.71      | -3.61/-3.19      | -2.06/-1.73      | -2.59/-1.70      | -2.96/-8.14      | -7.41/-10.39     | -13.32/-6.37     | -3.97/-2.98      | -2.05/-1.38      | -1.29/-1.85      | -2.75/-5.31      | -0.80/-3.84      | -2.34/-3.26      | -2.34/-3.26      |                  |
| Θ(112.5°) | -3.19/-1.69   | -3.08/-5.79   | -5.46/-2.00    | -0.82/-2.79    | -3.60/-3.77    | -6.71/-10.61   | -6.63/-5.36    | -3.03/-1.44    | -0.69/-0.71      | -1.31/-1.86      | -1.96/-1.69      | -1.20/-1.51      | -2.16/-2.51      | -2.18/-3.16      | -3.45/-1.83      | -3.07/-5.28      | -5.93/-11.77     | -13.09/-5.30     | -3.04/-2.58      | -2.37/-1.90      | -2.17/-3.05      | -3.47/-4.57      | -7.06/-5.15      | -3.27/-1.40      |                  |
| Θ(120°)   | -3.48/-2.63   | -3.26/-5.44   | -4.35/-3.37    | -2.79/-4.83    | -6.55/-4.45    | -4.24/-5.90    | -7.55/-6.35    | -3.72/-1.85    | -0.76/-0.47      | -0.67/-0.94      | -0.83/-0.58      | -0.86/-2.54      | -4.54/-2.79      | -0.83/-1.21      | -1.91/-2.09      | -3.52/-4.02      | -3.07/-5.74      | -0.88/-0.81      | -4.35/-4.86      | -5.80/-5.61      | -5.81/-8.13      | -9.64/-8.00      | -6.81/-4.39      | -2.76/-3.08      |                  |
| Θ(127.5°) | -2.31/-2.54   | -4.74/-7.17   | -4.57/-2.09    | -1.55/-3.15    | -7.17/-9.33    | -8.49/-8.75    | -9.42/-8.14    | -5.02/-2.35    | -0.95/-0.88      | -1.95/-3.12      | -3.10/-2.78      | -2.78/-2.91      | -2.03/-0.75      | -0.94/-2.63      | -3.72/-3.57      | -3.02/-2.38      | -2.61/-1.47      | -7.10/-10.38     | -12.67/-13.16    | -11.60/-9.10     | -7.99/-9.39      | -11.94/-11.79    | -11.20/-8.54     | -5.01/-3.14      |                  |
| Θ(135°)   | -1.99/-1.60   | -3.34/-8.46   | -1.32/-6.23    | -3.77/-3.59    | -4.57/-7.02    | -8.47/-9.38    | -9.86/-9.69    | -7.74/-5.04    | -3.40/-3.43      | -4.35/-3.91      | -2.81/-1.64      | -1.95/-2.87      | -3.17/-2.39      | -1.81/-1.81      | -1.88/-1.79      | -1.90/-2.41      | -3.07/-3.50      | -4.49/-7.01      | -10.06/-6.97     | -5.89/-6.09      | -7.27/-8.72      | -11.16/-13.08    | -8.52/-4.03      | -8.52/-4.03      |                  |
| Θ(142.5°) | -2.30/-1.37   | -1.96/-2.33   | -7.71/-8.46    | -7.15/-6.88    | -7.30/-7.93    | -8.37/-8.38    | -7.67/-7.67    | -7.79/-7.69    | -7.85/-9.00      | -9.12/-6.14      | -3.98/-3.17      | -3.08/-2.67      | -1.57/-0.58      | -0.53/-1.39      | -2.73/-3.62      | -3.81/-3.64      | -3.81/-3.64      | -4.15/-6.57      | -11.51/-11.02    | -4.77/-1.84      | -0.74/-0.80      | -2.22/-4.62      | -8.66/-14.09     | -10.94/-5.07     |                  |
| Θ(150°)   | -4.60/-3.34   | -3.18/-3.86   | -4.89/-5.28    | -5.38/-6.08    | -7.18/-8.23    | -9.22/-8.72    | -6.82/-5.46    | -5.30/-6.14    | -7.30/-6.72      | -4.63/-2.88      | -2.11/-2.09      | -2.15/-1.85      | -1.62/-2.04      | -3.54/-5.43      | -6.21/-5.53      | -4.78/-4.56      | -4.49/-4.54      | -5.18/-6.97      | -11.80/-9.56     | -4.77/-1.38      | 0.01/0.14        | -1.10/-3.22      | -6.66/-10.08     | -11.85/-4.79     |                  |
| Θ(157.5°) | -6.87/-6.48   | -6.26/-6.19   | -5.73/-4.87    | -4.35/-4.46    | -4.89/-5.26    | -6.63/-5.99    | -6.15/-6.14    | -6.55/-7.13    | -6.52/-4.82      | -3.79/-3.79      | -4.48/-4.83      | -4.48/-4.31      | -4.84/-6.16      | -7.32/-7.05      | -5.68/-5.10      | -4.97/-4.99      | -5.12/-5.70      | -6.94/-9.09      | -14.03/-12.77    | -8.45/-4.33      | -3.75/-3.34      | -4.31/-5.77      | -6.72/-7.40      | -8.05/-7.89      |                  |
| Θ(165°)   | -9.09/-9.74   | -10.62/-10.11 | -9.32/-7.34    | -6.03/-5.48    | -5.18/-4.51    | -3.74/-3.38    | -3.64/-4.59    | -5.87/-6.20    | -5.63/-5.21      | -5.25/-4.97      | -4.14/-3.42      | -3.38/-0.43      | -5.11/-6.37      | -7.06/-7.14      | -6.80/-6.66      | -6.62/-5.66      | -6.61/-7.31      | -8.66/-10.74     | -12.45/-11.51    | -11.81/-11.79    | -10.31/-8.97     | -8.60/-8.56      | -8.34/-8.16      | -8.22/-8.77      |                  |
| Θ(172.5°) | -12.35/-12.71 | -12.97/-12.99 | -11.91/-10.28  | -9.06/-8.43    | -8.15/-7.49    | -6.32/-5.21    | -4.37/-4.21    | -4.55/-4.74    | -5.91/-4.88      | -6.13/-7.33      | -3.09/-3.35      | -3.91/-4.88      | -6.17/-6.33      | -8.21/-8.49      | -8.48/-8.54      | -8.67/-8.67      | -8.89/-9.74      | -11.00/-11.55    | -11.04/-10.58    | -10.72/-11.10    | -11.01/-10.85    | -10.71/-10.59    | -10.80/-10.51    | -10.98/-11.91    |                  |
| Θ(180°)   | -8.12/-8.85   | -9.66/-9.89   | -10.00/-10.04  | -10.03/-10.23  | -11.71/-11.06  | -10.48/-9.21   | -8.17/-9.95    | -8.19/-7.56    | -4.39/-5.86      | -6.25/-6.69      | -6.67/-6.52      | -6.79/-9.93      | -9.62/-10.89     | -10.95/-10.43    | -10.20/-10.46    | -10.89/-11.73    | -12.52/-13.00    | -12.80/-12.14    | -11.28/-10.13    | -8.75/-11.71     | -7.60/-8.30      | -8.97/-8.92      | -10.81/-7.63     | -7.47/-7.76      |                  |
| ΔFreq(Hz) | 5.20GPol.     | TotalAnt.1    | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
| Gain      | 0.08/-0.97    | -0.20/-1.08   | -0.97/-0.45    | -0.48/-0.15    | -0.10/-0.25    | -0.15/-0.18    | 0.22/0.05      | -0.12/0.38     | -0.06/-0.15      | 0.44/0.50        | 0.39/0.52        | 0.30/0.61        | 0.65/0.43        | 0.27/0.21        | 0.08/-0.01       | 0.01/-0.02       | -0.60/-0.70      | -0.78/-0.95      | -1.05/-1.12      | -0.73/-1.21      | -1.48/-0.97      | -1.16/-1.54      | -0.40/-0.84      | -1.43/-1.09      |                  |
| Θ(0°)     | 0.08/-0.65    | -0.39/-0.92   | -0.94/-1.31    | -1.98/-1.24    | -2.29/-2.22    | -2.02/-2.24    | -2.82/-2.60    | -2.03/-2.35    | -2.53/-2.15      | -1.67/-1.09      | -0.72/-0.83      | -0.31/-0.10      | 0.62/0.90        | 0.41/0.26        | 0.44/0.50        | 0.98/1.09        | 0.86/0.55        | 0.63/0.73        | 1.16/1.34        | 1.06/1.05        | 1.01/0.79        | 0.91/0.96        | 0.64/0.64        | 0.64/0.64        |                  |
| Θ(7.5°)   | 0.07/-1.88    | -2.29/-2.00   | -1.04/-1.42    | -1.86/-1.81    | -1.74/-2.03    | -1.85/-2.33    | -3.14/-3.33    | -2.92/-2.47    | -2.71/-2.14      | -1.95/-1.95      | -1.10/-1.44      | -0.50/0.63       | 1.11/1.72        | 1.69/1.79        | 1.59/2.21        | 0.29/1.99        | 1.08/1.51        | 0.51/0.02        | -0.64/-0.06      | -0.16/-0.45      | -0.26/0.10       | 0.40/0.67        | 0.31/0.52        | 0.24/0.56        |                  |
| Θ(22.5°)  | -3.31/-3.67   | -2.83/-3.00   | -2.25/-3.19    | -4.41/-4.21    | -3.49/-2.86    | -2.60/-3.30    | -4.24/-4.03    | -2.60/-1.20    | -0.88/-1.09      | -1.35/-2.22      | -2.09/-2.27      | -2.73/-1.01      | -0.78/-0.32      | 0.23/1.01        | 1.84/2.42        | 2.69/3.06        | 3.23/3.04        | 2.37/1.80        | 1.60/1.92        | 2.39/2.44        | 0.84/-0.37       | -1.41/-0.90      | -0.76/-0.56      | 0.09/-2.47       |                  |
| Θ(30°)    | -3.13/-4.32   | -2.83/-3.20   | -3.11/-5.06    | -4.63/-5.41    | -4.08/-4.24    | -2.23/-2.19    | -1.93/-0.76    | 0.78/1.01      | 0.05/-0.76       | -2.01/-2.20      | -0.95/-1.72      | -2.08/-1.27      | -0.64/-0.04      | 0.51/0.83        | 1.30/1.62        | 1.62/2.26        | 2.94/2.87        | 3.04/2.19        | 2.81/2.80        | 2.35/2.13        | 0.85/-2.07       | 0.40/-0.09       | -0.23/-0.93      | -0.36/0.50       |                  |
| Θ(37.5°)  | -1.87/-3.19   | -3.39/-3.99   | -5.21/-5.77    | -3.46/-8.17    | -3.96/-1.71    | -0.92/-0.60    | -1.19/0.94     | 0.04/0.98      | -0.22/-0.69      | -0.65/-1.72      | -1.47/-1.08      | -1.38/0.36       | 1.21/1.44        | 1.76/0.98        | 1.68/2.22        | 4.19/2.05        | 5.08/5.34        | 3.54/4.87        | 3.80/2.82        | 1.91/2.03        | -0.64/0.51       | 0.32/-1.21       | 0.56/0.45        | 0.56/0.45        |                  |
| Θ(45°)    | -2.34/-2.29   | -4.20/-4.32   | -5.08/-4.41    | -4.66/-4.51    | -2.41/-1.34    | 0.93/1.31      | -0.94/-1.19    | -0.31/-2.01    | -2.02/0.19       | 0.82/0.46        | -0.94/-2.87      | -3.63/-3.98      | -2.55/-1.82      | -0.09/0.32       | 0.61/1.44        | 2.28/2.59        | 4.49/5.21        | 5.52/5.08        | 4.23/3.44        | 3.62/2.02        | 0.45/-0.05       | -0.21/-1.08      | 0.45/0.03        | 0.45/0.03        |                  |
| Θ(52.5°)  | -3.50/-3.87   | -3.98/-5.16   | -7.01/-6.93    | -3.36/-1.47    | 0.12/1.25      | 1.12/1.14      | -2.39/-1.13    | -              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |



# Antenna Pattern\_Radio 3 2.4GHz,5GHz,6GHz for EUT 1

# Appendix I

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(22.5°)  | 3.95/3.86     | 4.08/3.73       | 3.37/3.29       | 3.15/3.41       | 3.72/3.79       | 3.80/3.82       | 3.86/3.96       | 4.09/3.12         | 3.46/3.58         | 3.64/4.05         | 4.41/4.40         | 4.08/4.40         | 4.47/4.86         | 4.49/3.72         | 3.45/2.79         | 2.59/2.46         | 1.93/0.61         | -0.52/0.21        | 0.97/1.23         | 1.46/1.77         | 2.07/2.29         | 2.50/3.28         | 3.69/3.93         | 4.06/4.08         |
| Θ(30°)    | 3.58/3.14     | 3.30/2.90       | 2.93/3.28       | 2.19/2.34       | 2.77/2.59       | 2.72/3.15       | 2.16/1.42       | 2.13/3.12         | 3.67/4.21         | 4.35/4.15         | 5.18/4.47         | 5.19/4.80         | 5.18/4.47         | 4.59/3.05         | 3.75/2.79         | 2.19/1.88         | 1.87/0.42         | -1.83/-0.59       | -0.60/-1.70       | -0.64/0.40        | 0.88/0.76         | 0.80/1.59         | 1.84/1.95         | 2.72/3.55         |
| Θ(37.5°)  | 3.26/3.01     | 2.91/2.49       | 1.94/2.93       | 1.26/1.95       | 2.17/1.12       | 1.37/0.55       | 0.88/1.96       | 1.90/2.06         | 2.10/2.22         | 2.30/2.23         | 2.64/3.18         | 3.27/4.20         | 4.55/5.07         | 4.59/3.05         | 3.56/3.40         | 2.10/1.88         | 1.47/0.92         | -1.00/-1.41       | -2.00/-1.06       | -0.77/-1.56       | -1.10/0.82        | 2.09/2.20         | 2.63/2.98         | 2.77/2.83         |
| Θ(45°)    | 2.15/2.60     | 0.95/0.10       | -0.48/1.38      | 0.37/1.02       | 0.53/-0.75      | -0.23/-0.98     | -0.51/-1.21     | 1.34/1.53         | 1.91/1.87         | 2.35/3.65         | 3.64/2.34         | 2.18/0.78         | 2.07/2.26         | 3.50/3.27         | 1.96/2.15         | 2.06/1.76         | 1.52/-0.56        | -1.80/-3.83       | -3.36/-4.47       | -4.04/-3.49       | -1.02/1.62        | 1.04/1.61         | 3.59/4.57         | 3.08/2.60         |
| Θ(52.5°)  | 2.11/3.06     | 2.68/-0.59      | -1.52/-0.86     | -1.07/-0.80     | -0.09/-0.53     | -0.73/-1.14     | 1.68/2.09       | 0.50/1.95         | 2.21/1.94         | 3.12/2.66         | 1.84/1.57         | 1.28/-0.00        | 0.48/0.58         | 1.55/2.58         | 1.03/-0.10        | 1.07/0.65         | -0.21/-2.27       | -7.02/-4.81       | -8.80/-6.51       | -3.81/-3.38       | -0.40/0.12        | 0.70/3.21         | 3.46/2.81         | 2.69/2.46         |
| Θ(60°)    | 1.88/0.32     | -0.19/-1.20     | -2.14/-1.32     | -0.37/-1.57     | -1.15/-2.48     | -1.92/0.58      | 2.17/0.96       | 0.98/2.68         | 1.85/2.31         | 1.45/1.43         | 1.23/1.18         | 0.86/-0.31        | -0.12/-1.38       | -0.01/0.76        | 1.08/-1.62        | -1.08/1.62        | -1.25/4.73        | -10.54/-7.30      | -5.64/-4.11       | -1.56/-2.82       | 0.26/2.42         | 1.95/3.05         | 3.28/2.75         |                   |
| Θ(67.5°)  | -0.07/-0.87   | -2.43/-2.86     | -3.60/-1.84     | -0.91/-4.40     | -2.45/-1.40     | -0.25/-1.77     | 0.92/0.54       | 0.28/1.33         | 2.96/2.57         | 1.60/1.16         | 0.84/-0.54        | -1.38/-0.78       | -0.54/-2.83       | -1.60/-0.53       | -0.09/-2.83       | -2.99/-2.95       | -3.20/-5.71       | -15.22/-11.09     | -14.09/-12.31     | -9.34/-6.60       | -3.71/-4.81       | 0.64/1.83         | 3.29/4.43         | 3.95/1.33         |
| Θ(75°)    | -1.61/0.59    | 0.93/-0.68      | -3.06/-3.09     | -1.41/-3.05     | -2.37/-1.05     | -0.48/-1.32     | 0.45/0.18       | -0.24/-1.59       | 1.87/2.62         | 1.59/1.73         | 0.35/-0.63        | -2.02/-3.30       | -1.43/-2.73       | -3.19/-4.00       | -1.99/-2.64       | -2.86/-6.28       | -4.60/-8.37       | -11.83/-8.89      | -11.14/-7.96      | -6.42/-6.35       | -4.69/-4.18       | -0.26/0.98        | 4.20/4.76         | 1.69/-2.51        |
| Θ(82.5°)  | -1.34/1.68    | 1.92/0.72       | -2.60/-3.07     | -2.59/-2.80     | -2.13/-2.13     | -0.75/0.07      | -0.40/-0.54     | -0.09/1.46        | 1.39/1.75         | 1.35/0.62         | -0.04/-0.93       | -2.62/-4.33       | -3.91/-3.25       | -5.88/-5.05       | -3.49/-3.75       | -3.97/-7.08       | -6.71/-9.50       | -12.53/-6.77      | -10.65/-4.40      | -4.40/-4.98       | -6.35/-3.28       | -2.20/0.32        | 3.50/2.53         | 2.23/-3.84        |
| Θ(90°)    | -1.30/0.86    | 1.32/0.62       | -2.38/-2.80     | -4.46/-2.88     | -1.95/-2.64     | -2.08/-0.70     | -0.88/-0.59     | -0.65/0.51        | 0.98/1.15         | 0.67/-0.48        | -1.17/-0.96       | -2.87/-5.32       | -6.20/-6.00       | -5.89/-8.34       | -4.72/-5.06       | -6.20/-7.54       | -6.09/-9.11       | -13.39/-9.27      | -11.74/-6.72      | -6.99/-7.35       | -7.68/-4.29       | -4.77/-1.62       | 1.61/-0.69        | -5.26/-3.75       |
| Θ(97.5°)  | -1.98/0.03    | 0.38/-0.65      | -3.36/-3.39     | -5.37/-3.51     | -3.15/-3.76     | -2.96/-1.64     | -1.55/-1.41     | -0.84/-0.41       | -0.21/0.26        | -0.43/-1.42       | -2.14/-1.78       | -2.67/-8.13       | -6.50/-7.95       | -7.74/-7.65       | -5.39/-6.75       | -6.60/-7.82       | -6.43/-9.33       | -14.74/-15.01     | -10.67/-14.79     | -8.34/-9.45       | -7.22/-7.59       | -7.90/-4.10       | -1.55/-4.57       | -6.58/-2.70       |
| Θ(105°)   | -2.91/-2.43   | -1.81/-3.75     | -3.82/-4.03     | -6.77/-3.97     | -4.10/-5.16     | -3.58/-2.34     | -1.95/-2.29     | -1.90/-1.76       | -0.79/-1.08       | -1.20/-3.24       | -3.63/-2.66       | -3.55/-7.18       | -5.55/-8.83       | -7.84/-10.66      | -8.56/-9.90       | -6.93/-8.93       | -7.46/-7.72       | -11.73/-8.59      | -9.01/-8.93       | -12.32/-8.90      | -9.61/-4.45       | -5.65/-5.99       | -5.29/-3.96       |                   |
| Θ(112.5°) | -5.40/-3.59   | -5.06/-6.02     | -5.51/-6.08     | -6.87/-5.22     | -6.00/-5.41     | -2.79/-2.22     | -2.56/-3.00     | -1.93/-2.76       | -3.34/-1.82       | -2.09/-3.97       | -4.44/-4.84       | -5.11/-6.90       | -7.97/-7.90       | -10.48/-12.76     | -13.59/-10.86     | -8.63/-8.42       | -11.41/-11.82     | -12.08/-11.16     | -13.87/-11.94     | -15.55/-14.35     | -13.50/-10.73     | -8.25/-5.18       | -6.78/-7.91       | -7.51/-6.58       |
| Θ(120°)   | -8.52/-6.62   | -8.21/-9.73     | -7.18/-8.18     | -7.04/-6.75     | -7.82/-8.43     | -5.23/-2.77     | -2.39/-4.25     | -4.83/-3.90       | -4.46/-3.87       | -0.04/-3.60       | -4.68/-5.26       | -8.18/-8.44       | -9.38/-11.49      | -14.63/-14.69     | -15.71/-12.00     | -15.81/-10.66     | -11.37/-12.71     | -15.43/-12.27     | -14.82/-11.30     | -14.56/-13.73     | -9.18/-8.80       | -9.61/-8.82       | -10.78/-12.01     | -12.81/-10.87     |
| Θ(127.5°) | -12.40/-9.83  | -10.34/-9.67    | -8.37/-9.43     | -6.92/-9.73     | -9.23/-6.37     | -6.00/-4.90     | -4.68/-4.88     | -4.42/-5.81       | -5.41/-4.24       | -4.14/-3.84       | -4.15/-5.57       | -9.36/-8.79       | -8.88/-12.03      | -7.62/-15.16      | -10.43/-12.16     | -10.38/-10.58     | -10.47/-10.92     | -15.87/-9.80      | -10.42/-15.09     | -15.54/-12.59     | -15.52/-13.72     | -7.73/-9.40       | -15.52/-11.27     | -14.62/-13.23     |
| Θ(135°)   | -10.41/-11.14 | -9.50/-8.59     | -8.40/-9.79     | -8.60/-9.40     | -9.22/-6.88     | -6.22/-6.31     | -5.08/-5.27     | -6.53/-6.33       | -5.42/-5.49       | -4.62/-5.14       | -4.65/-4.91       | -6.41/-5.77       | -5.83/-9.30       | -7.14/-10.44      | -13.05/-10.44     | -11.05/-10.84     | -10.01/-13.55     | -12.92/-12.36     | -13.33/-12.55     | -10.95/-10.46     | -12.90/-10.37     | -13.12/-10.14     | -10.31/-10.17     | -11.63/-9.43      |
| Θ(142.5°) | -9.82/-10.51  | -11.38/-9.47    | -8.36/-9.78     | -9.26/-8.78     | -9.68/-6.74     | -5.48/-6.71     | -5.49/-5.43     | -8.71/-7.74       | -6.75/-6.91       | -6.44/-7.25       | -6.71/-6.18       | -6.77/-7.96       | -6.83/-7.46       | -12.91/-6.58      | -16.41/-12.76     | -9.67/-9.23       | -12.60/-11.12     | -11.64/-13.39     | -13.79/-13.31     | -15.63/-14.97     | -15.31/-15.35     | -15.07/-12.03     | -8.55/-13.18      |                   |
| Θ(150°)   | -12.20/-11.93 | -10.92/-11.05   | -9.77/-8.25     | -9.87/-8.18     | -6.18/-8.04     | -6.82/-7.81     | -7.07/-7.45     | -6.05/-9.78       | -10.41/-8.95      | -7.44/-7.67       | -7.65/-8.87       | -5.84/-7.07       | -8.66/-6.71       | -7.38/-10.04      | -7.60/-6.66       | -7.54/-6.99       | -11.85/-13.50     | -15.60/-10.50     | -12.56/-14.94     | -15.66/-15.13     | -15.25/-13.61     | -12.67/-11.92     | -11.06/-10.74     |                   |
| Θ(157.5°) | -11.96/-8.92  | -9.61/-10.40    | -10.17/-8.85    | -9.49/-9.58     | -11.36/-11.55   | -8.46/-8.34     | -8.96/-7.39     | -9.11/-9.39       | -10.90/-10.75     | -11.05/-10.37     | -8.63/-8.01       | -7.60/-8.21       | -9.24/-8.75       | -9.34/-7.08       | -8.85/-6.24       | -9.99/-12.04      | -13.24/-13.57     | -14.76/-13.95     | -14.61/-15.30     | -15.32/-15.12     | -15.16/-14.98     | -14.20/-13.84     | -11.14/-8.51      | -8.85/-10.36      |
| Θ(165°)   | -7.99/-8.24   | -9.75/-6.68     | -11.04/-11.01   | -12.00/-10.17   | -10.28/-11.01   | -11.25/-9.80    | -8.52/-8.20     | -8.04/-8.54       | -8.02/-7.42       | -7.94/-7.85       | -8.18/-8.04       | -9.62/-10.06      | -9.70/-8.71       | -8.91/-8.81       | -9.63/-10.68      | -11.36/-10.66     | -11.69/-12.59     | -15.38/-15.32     | -15.38/-15.20     | -15.20/-13.69     | -12.10/-12.69     | -13.74/-13.66     | -13.13/-11.04     | -11.42/-10.35     |
| Θ(172.5°) | -9.88/-9.12   | -8.22/-7.95     | -9.21/-9.56     | -9.86/-11.51    | -11.68/-13.29   | -11.48/-11.29   | -10.08/-10.06   | -10.85/-9.81      | -7.25/-7.66       | -7.25/-7.59       | -7.57/-8.24       | -7.95/-9.65       | -6.91/-8.38       | -11.13/-14.68     | -15.24/-11.17     | -9.38/-9.54       | -11.05/-12.44     | -13.17/-13.72     | -12.56/-13.19     | -14.25/-13.85     | -14.16/-13.58     | -13.76/-12.33     | -11.80/-11.32     | -10.65/-9.65      |
| Θ(180°)   | -10.46/-10.10 | -10.63/-10.84   | -10.76/-10.22   | -10.39/-9.48    | -9.68/-10.00    | -10.56/-9.75    | -8.74/-8.90     | -10.50/-10.75     | -10.83/-10.92     | -11.61/-11.38     | -10.12/-9.54      | -9.94/-9.30       | -10.52/-12.83     | -13.41/-11.95     | -15.09/-11.04     | -12.43/-14.23     | -9.22/-8.88       | -9.33/-10.55      | -10.68/-10.10     | -9.76/-10.01      | -10.20/-10.55     | -10.53/-10.30     | -9.62/-10.37      |                   |
| Freq(Hz)  | 6.955GPol.    | TotalAnt.1      | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 3.95/3.88     | 3.76/3.74       | 3.56/3.50       | 3.68/3.66       | 3.53/3.77       | 3.82/4.07       | 4.13/4.08       | 3.97/4.30         | 4.04/4.18         | 4.25/4.60         | 4.07/4.39         | 4.01/4.22         | 4.45/4.26         | 3.93/3.87         | 3.87/4.09         | 4.26/4.27         | 4.20/3.89         | 3.91/4.30         | 4.39/4.08         | 3.77/4.14         | 4.13/3.71         | 4.07/4.19         | 3.91/4.00         | 4.09/4.10         |
| Θ(7.5°)   | 5.03/4.96     | 4.84/4.90       | 4.95/5.03       | 5.06/5.08       | 5.15/4.95       | 4.81/5.05       | 5.40/5.23       | 4.90/5.15         | 5.04/4.81         | 4.64/4.85         | 4.43/4.19         | 4.17/3.56         | 3.63/3.70         | 3.50/3.32         | 3.69/3.93         | 3.97/4.15         | 4.12/4.12         | 4.01/4.22         | 4.46/4.14         | 4.11/4.34         | 4.30/4.45         | 4.34/4.53         | 4.52/4.64         | 4.73/5.01         |
| Θ(15°)    | 4.60/4.51     | 4.64/5.14       | 5.23/5.19       | 5.22/2.12       | 5.01/5.33       | 5.23/5.25       | 5.39/5.53       | 5.50/5.18         | 4.59/4.51         | 5.31/4.78         | 4.94/5.51         | 4.37/4.44         | 4.42/3.93         | 2.56/2.53         | 3.30/2.97         | 3.09/3.10         | 3.06/2.72         | 3.39/3.53         | 2.45/2.41         | 2.63/3.12         | 3.94/3.41         | 4.32/4.58         | 4.44/4.44         | 4.56/4.31         |
| Θ(22.5°)  | 5.18/5.01     | 4.84/4.97       | 4.67/4.27       | 4.07/3.33       | 4.83/5.44       | 5.70/5.37       | 4.90/4.68       | 4.95/4.70         | 4.92/4.88         | 4.71/5.19         | 5.16/5.39         | 4.91/4.55         | 4.10/4.74         | 5.05/4.26         | 3.23/2.70         | 2.39/1.72         | 1.12/0.02         | -1.46/-1.90       | -0.34/0.60        | 0.44/0.79         | 1.99/2.77         | 3.33/4.00         | 4.60/4.85         | 4.96/5.18         |
| Θ(30°)    | 4.65/4.48     | 3.75/3.38       | 3.93/3.95       | 3.32/3.34       | 3.19/3.72       | 3.97/3.80       | 3.66/4.09       | 4.11/4.27         | 4.43/4.64         | 4.71/4.43         | 4.02/3.82         | 4.23/4.49         | 4.76/4.83         | 4.03/3.49         | 3.08/2.72         | 1.88/0.68         | 0.26/1.37         | -3.54/-2.69       | -0.82/-1.57       | -2.04/-0.90       | 0.26/0.37         | 0.82/2.62         | 3.27/3.77         | 4.19/4.29         |
| Θ(37.5°)  | 3.37/3.49     | 3.29/2.98       | 2.87/2.53       | 1.94/2.38       | 1.67/2.39       | 2.42/2.04       | 2.43/2.24       | 2.94/2.90         | 3.18/2.58         | 2.74/2.81         | 3.71/3.30         | 3.09/2.63         | 3.74/4.11         | 3.87/3.58         | 1.71/0.02         | 0.40/-0.32        | 0.64/-1.70        | -3.00/-2.18       | -3.21/-3.03       | -2.12/-2.02       | -2.82/-0.65       | 2.10/2.84         | 2.83/2.76         | 2.88/2.26         |
| Θ(45°)    | 2.66/1.80     | 0.10/0.90       | 0.98/1.37       | 0.23/0.80       | 0.48/0.41       | -0.65/-0.75     | 1.62/2.01       | 1.60/2.01         | 1.19/1.90         | 2.13/2.39         | 2.85/3.11         | 1.80/1.74         | 2.60/1.85         | 2.36/1.56         | 0.72/-0.14        | 0.12/-1.13        | -0.47/-2.65       | -4.77/-6.53       | -6.71/-5.13       | -4.01/-4.43       | -2.13/0.99        | 0.68/0.71         | 2.97/4.53         | 3.37/2.72         |
| Θ(52.5°)  | 2.98/2.73     | 0.07/0.23       | -1.07/-0.97     | -0.54/-0.60     | -0.05/-1.32     | -1.26/0.64      | 2.69/2.31       | 2.03/1.79         | 1.60/1.20         | 1.51/1.24         | 2.09/1.28         | 1.15/0.61         | 0.22/0.49         | -0.67/0.16        | -0.74/-1.30       | -2.22/-3.69       | -2.18/-5.24       | -6.01/-7.11       | -6.75/-8.26       | -5.26/-3.50       | -1.86/0.43        | -0.32/2.03        | 3.69/3.36         | 2.85/3.35         |
| Θ(60°)    | 2.10/0.53     | -1.05/-2.02     | -0.91/-1.59     | -1.46/-2.58     | -0.65/-1.10     | -0.56/0.59      | 1.84/1.30       | 0.45/1.78         | 1.76/1.21         | 1.41/1.58         | 0.73/0.94         | -0.72/-1.08       | -0.07/-2.69       | -0.80/-3.09       | -1.88/-2.96       | -4.59/-6.62       | -3.79/-8.24       | -10.84/-8.32      | -8.16/-7.40       | -5.51/-7.89       | -2.44/-1.74       | -0.55/1.50        | 0.65/2.17         | 3.24/3.30         |
| Θ(67.5°)  | -0.74/-2.99   | -0.70/-5.63     | -0.69/-1.18     | -1.83/-2.92     | -0.60/-0.87     | 0.76/0.11       | 1.11/0.75       | 0.75/1.14         | 1.83/1.68         | 2.06/0.72         | -0.11/-1.64       | -1.86/-2.53       | -2.77/-1.87       | -2.44/-3.66       | -2.69/-5.61       | -4.91/-8.82       | -7.47/-8.02       | -10.89/-11.82     | -12.00/-7.99      | -8.04/-12.77      | -3.44/-6.65       | -1.63/0.09        | 1.17/4.38         | 3.60/1.28         |
| Θ(75°)    | -2.62/-0.16   | 0.64/-2.01      | -3.61/-2.28     | -1.75/-1.80     | -0.98/-0.88     | 0.61/0.15       | 0.03/-0.37      | -0.19/1.01        | 0.71/1.86         | 1.27/0.17         | -1.63/-1.94       | -4.11/-2.95       | -5.55/-5.33       |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Antenna Pattern\_Radio 3 2.4GHz,5GHz,6GHz for EUT 1

# Appendix I

|           |               |                |                |                |                |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|-----------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| θ(75°)    | 2.20/1.33     | -2.67/1.64     | 2.53/1.92      | 1.92/3.97      | 2.46/1.77      | -2.15/-0.71    | 1.702/97       | 2.61/0.93        | -0.47/-1.68      | -0.53/1.66       | 4.27/-2.79       | -1.57/-3.27      | -0.88/-5.17      | -9.33/-7.32      | -9.17/-5.74      | -7.32/-9.60      | -5.88/-3.47      | -4.95/-2.19      | -4.20/-11.35     | -8.43/-13.75     | -7.01/-3.63      | -5.38/-4.30      | -0.49/0.10       | 1.21/1.82        |
| θ(82.5°)  | 1.81/0.68     | -4.03/-0.29    | 0.36/0.16      | 0.43/1.25      | -0.76/-0.58    | -1.61/-0.05    | 2.182/96       | 2.56/0.61        | -0.24/-1.63      | -1.42/-0.48      | 4.77/-3.26       | -1.63/-4.26      | -2.76/-12.28     | -11.42/-8.60     | -9.44/-7.28      | -7.90/-10.47     | -6.04/-3.63      | -6.82/-3.29      | -4.23/-8.74      | -11.99/-15.22    | -7.23/-4.06      | -5.23/-3.38      | 0.45/-0.42       | 0.46/1.24        |
| θ(90°)    | 0.42/-0.18    | -4.81/-1.40    | -1.74/-1.22    | -2.75/-1.81    | -3.46/-4.03    | -0.73/-0.39    | 0.952/06       | 1.66/-0.17       | -0.15/-1.85      | -2.13/-0.81      | -4.64/-4.53      | -2.64/-5.28      | -4.45/-8.98      | -11.33/-10.81    | -11.11/-7.29     | -9.38/-9.08      | -8.74/-4.32      | -7.19/-5.56      | -4.90/-8.54      | -11.95/-15.36    | -9.21/-6.49      | -6.78/-4.30      | -0.17/-1.90      | -1.42/-0.64      |
| θ(97.5°)  | -1.95/-1.45   | -7.28/-3.65    | -3.53/-3.01    | -6.84/-5.23    | -3.88/-5.00    | -3.05/-0.94    | -1.24/0.47     | -0.15/-1.96      | -1.87/-2.35      | -3.38/-3.24      | -5.24/-5.65      | -4.27/-7.20      | -7.78/-13.23     | -12.56/-10.85    | -12.49/-9.46     | -9.25/-10.90     | -9.49/-7.49      | -9.43/-7.29      | -6.29/-9.30      | -15.08/-14.39    | -12.47/-10.05    | -9.41/-8.05      | -3.13/-3.73      | -3.98/-2.11      |
| θ(105°)   | -5.20/-1.80   | -12.42/-5.63   | -6.55/-4.79    | -11.64/-6.51   | -4.04/-6.51    | -4.93/-3.09    | -3.96/-0.98    | -2.74/-2.86      | -2.63/-3.82      | -3.95/-3.52      | -6.24/-6.56      | -6.32/-8.80      | -10.33/-11.83    | -14.97/-12.02    | -13.69/-11.33    | -7.31/-9.49      | -6.69/-7.89      | -7.06/-9.68      | -14.48/-13.86    | -13.78/-13.98    | -13.69/-13.98    | -6.65/-6.52      | -7.53/-4.47      | -7.53/-4.47      |
| θ(112.5°) | -8.14/-5.03   | -11.89/-8.69   | -8.12/-4.58    | -9.34/-5.98    | -7.75/-10.95   | -7.96/-5.89    | -6.45/-3.79    | -4.79/-5.11      | -6.68/-6.41      | -5.37/-4.06      | -7.92/-7.33      | -8.14/-12.26     | -11.37/-11.30    | -14.35/-11.00    | -15.23/-12.75    | -8.96/-11.33     | -14.87/-11.06    | -8.08/-7.42      | -8.85/-11.69     | -15.18/-13.44    | -14.65/-15.36    | -8.69/-7.79      | -9.09/-6.61      | -9.09/-6.61      |
| θ(120°)   | -7.88/-7.20   | -9.87/-14.29   | -11.34/-8.69   | -10.86/-7.63   | -14.87/-14.67  | -8.36/-6.54    | -7.89/-6.05    | -6.35/-5.71      | -4.71/-7.46      | -5.86/-7.08      | -7.56/-8.27      | -6.56/-13.20     | -10.91/-12.88    | -13.99/-14.80    | -15.57/-15.90    | -10.26/-10.34    | -10.55/-12.21    | -10.50/-9.99     | -7.47/-10.26     | -11.23/-14.58    | -15.50/-12.84    | -12.48/-13.69    | -13.09/-11.54    | -9.68/-10.35     |
| θ(127.5°) | -14.18/-12.21 | -12.95/-15.55  | -15.28/-10.51  | -9.14/-7.46    | -12.82/-11.81  | -6.57/-6.15    | -8.41/-6.74    | -7.57/-6.69      | -8.87/-7.55      | -7.96/-11.01     | -8.03/-8.30      | -10.44/-13.48    | -8.99/-14.58     | -15.52/-13.16    | -15.55/-13.01    | -8.01/-12.50     | -13.46/-15.78    | -14.97/-8.85     | -7.39/-12.92     | -12.66/-16.12    | -15.24/-15.32    | -14.61/-14.83    | -15.07/-14.94    | -15.22/-15.41    |
| θ(135°)   | -11.05/-10.53 | -12.28/-13.08  | -13.69/-11.29  | -9.59/-12.33   | -15.00/-8.72   | -11.49/-8.06   | -10.39/-7.48   | -6.65/-8.91      | -8.12/-10.18     | -9.46/-9.00      | -11.25/-12.50    | -13.50/-13.85    | -14.20/-14.67    | -15.22/-15.03    | -12.56/-10.84    | -10.00/-14.58    | -13.98/-12.58    | -12.67/-7.18     | -7.03/-11.60     | -12.23/-13.65    | -12.65/-12.65    | -14.51/-15.94    | -13.09/-14.73    | -10.79/-11.63    |
| θ(142.5°) | -12.85/-12.11 | -12.44/-11.02  | -15.58/-14.38  | -13.40/-14.42  | -12.98/-11.95  | -12.21/-8.68   | -11.84/-11.02  | -7.92/-12.12     | -10.21/-10.51    | -11.66/-11.05    | -15.29/-13.14    | -12.25/-13.44    | -14.19/-14.76    | -14.99/-14.38    | -13.80/-12.49    | -12.25/-14.02    | -15.37/-15.03    | -15.40/-11.47    | -9.92/-9.58      | -13.04/-14.80    | -14.80/-13.55    | -15.60/-14.55    | -13.07/-15.17    | -14.67/-13.94    |
| θ(150°)   | -15.95/-15.88 | -15.86/-15.66  | -12.33/-12.28  | -12.66/-12.02  | -15.57/-15.22  | -11.58/-11.46  | -14.32/-13.41  | -11.02/-15.52    | -14.55/-13.72    | -15.03/-12.31    | -11.13/-11.99    | -12.80/-15.45    | -15.07/-15.25    | -15.04/-13.15    | -15.79/-14.33    | -14.64/-15.24    | -14.85/-15.61    | -13.94/-12.82    | -12.16/-13.30    | -14.56/-14.74    | -14.64/-13.34    | -13.75/-14.10    | -15.18/-14.86    | -15.39/-15.44    |
| θ(157.5°) | -14.22/-14.37 | -15.68/-15.06  | -15.02/-15.61  | -14.92/-13.12  | -13.55/-15.00  | -15.12/-13.90  | -11.55/-10.66  | -12.12/-15.43    | -14.85/-15.44    | -14.67/-15.41    | -15.07/-15.78    | -15.13/-15.51    | -14.84/-14.92    | -15.05/-15.88    | -15.06/-14.84    | -15.49/-16.28    | -15.38/-15.37    | -16.10/-15.33    | -14.74/-14.30    | -14.54/-15.65    | -15.71/-14.77    | -15.58/-15.18    | -15.58/-15.18    | -15.58/-15.18    |
| θ(165°)   | -14.94/-15.15 | -15.16/-15.44  | -14.61/-13.72  | -14.25/-13.29  | -13.19/-14.55  | -15.21/-13.70  | -13.44/-13.53  | -14.29/-14.84    | -15.02/-13.66    | -13.10/-14.43    | -15.12/-15.19    | -15.05/-15.32    | -14.93/-15.34    | -15.50/-15.33    | -15.47/-15.47    | -15.94/-15.34    | -16.09/-13.98    | -13.22/-13.32    | -13.55/-12.93    | -13.84/-16.12    | -15.50/-15.20    | -14.90/-15.18    | -13.36/-13.53    | -15.67/-15.00    |
| θ(172.5°) | -14.72/-15.13 | -15.75/-16.04  | -14.51/-15.59  | -14.94/-13.96  | -14.13/-13.18  | -12.35/-12.74  | -13.74/-14.85  | -14.77/-13.36    | -12.28/-13.26    | -12.78/-15.15    | -15.62/-15.25    | -15.62/-15.63    | -15.06/-15.16    | -14.61/-14.38    | -14.28/-11.03    | -11.55/-11.95    | -10.62/-10.80    | -10.65/-11.11    | -12.50/-13.26    | -15.08/-15.47    | -15.50/-15.57    | -14.75/-15.94    | -15.20/-14.97    | -15.17/-15.06    |
| θ(180°)   | -13.81/-13.35 | -13.23/-13.73  | -13.81/-13.98  | -14.64/-15.08  | -14.04/-14.67  | -15.38/-14.50  | -13.79/-15.00  | -15.70/-15.18    | -15.32/-15.03    | -14.42/-14.67    | -15.30/-15.56    | -14.98/-15.10    | -13.73/-13.31    | -12.20/-11.76    | -12.98/-12.09    | -12.54/-13.65    | -14.10/-13.55    | -13.29/-13.04    | -13.42/-14.17    | -13.83/-14.10    | -15.02/-15.45    | -15.32/-14.95    | -15.57/-15.51    | -14.59/-15.33    |
| Freq(Hz)  | 5.3GPol.      | TotalAnt.2     | -/-            | -/-            | -/-            | -/-            | -/-            | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              | -/-              |
| Gain      | Φ(0°)Φ(7.5°)  | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
| θ(0°)     | -1.14/-1.14   | -1.14/-1.28    | -1.37/-1.68    | -1.71/-1.57    | -1.40/-1.43    | -1.65/-1.72    | -1.42/-1.31    | -0.93/-0.60      | -0.73/-1.07      | -0.71/-1.02      | -0.84/-0.75      | -0.57/-1.17      | -1.63/-0.96      | -0.98/-0.95      | -0.75/-0.82      | -1.10/-1.25      | -1.02/-1.02      | -1.42/-1.82      | -1.74/-1.60      | -1.66/-1.68      | -1.56/-1.72      | -1.66/-1.36      | -1.31/-1.27      | -1.40/-1.37      |
| θ(7.5°)   | -1.80/-1.65   | -1.30/-1.25    | -1.43/-1.50    | -1.80/-1.75    | -1.44/-1.85    | -2.03/-2.57    | -2.26/-2.14    | -1.86/-1.60      | -1.75/-1.78      | -1.71/-1.67      | -1.39/-1.50      | -1.17/-1.21      | -1.71/-1.31      | -1.33/-1.36      | -1.44/-1.48      | -1.54/-1.54      | -1.58/-1.60      | -1.58/-1.61      | -1.67/-1.53      | -1.81/-1.70      | -1.66/-1.61      | -1.67/-1.53      | -1.34/-1.49      | -1.36/-1.24      |
| θ(15°)    | -0.06/0.20    | 0.14/0.01      | -0.11/0.12     | -0.30/-0.08    | 0.48/0.62      | 0.03/-0.51     | -0.68/-1.41    | -2.11/-1.58      | -1.24/-1.17      | -0.48/-1.00      | -1.78/-2.87      | -3.15/-2.50      | -2.15/-2.33      | -2.33/-1.63      | -2.29/-3.11      | -2.77/-2.85      | -2.98/-2.39      | -1.73/-1.57      | -1.68/-2.00      | -2.71/-3.25      | -3.53/-3.27      | -2.95/-2.06      | -1.67/-1.36      | -1.07/-0.76      |
| θ(22.5°)  | 0.13/0.78     | 0.43/0.10      | -0.35/-0.37    | -1.13/-1.63    | -0.42/0.04     | -0.15/-0.76    | -0.91/-1.44    | -1.36/-1.16      | -1.88/-1.96      | -2.53/-3.11      | -4.48/-4.46      | -3.44/-2.71      | -2.88/-3.89      | -3.86/-3.37      | -3.64/-4.26      | -4.08/-3.50      | -3.32/-4.27      | -2.08/-2.77      | -3.22/-2.73      | -2.64/-3.01      | -4.08/-4.20      | -2.79/-1.59      | -1.31/-1.17      | -0.91/-0.44      |
| θ(30°)    | 0.20/1.42     | 1.67/0.63      | -0.27/-0.51    | 0.92/0.23      | -1.47/-1.29    | -0.81/-1.73    | -2.43/-2.21    | -1.86/-4.03      | 0.88/-3.05       | -5.00/-4.13      | -4.01/-2.95      | -2.41/-2.92      | -2.81/-2.11      | -1.58/-1.39      | -2.08/-2.58      | -2.70/-4.57      | -5.31/-3.71      | -3.77/-3.94      | -3.95/-4.26      | -4.09/-2.81      | -2.95/-4.09      | -2.71/-1.22      | -1.34/-1.82      | -1.37/-0.76      |
| θ(37.5°)  | 0.11/1.70     | 1.65/0.79      | 1.40/0.31      | 2.73/2.74      | 1.74/1.55      | 2.00/0.81      | -2.70/-2.45    | -2.08/-2.78      | -2.49/-3.08      | -2.44/-1.33      | -3.90/-3.30      | -2.30/-2.37      | -3.64/-5.19      | -4.20/-3.27      | -2.74/-3.42      | -4.13/-3.72      | -4.01/-5.75      | -6.00/-4.85      | -4.57/-3.34      | -1.79/-2.99      | -3.74/-3.09      | -3.03/-1.41      | 0.04/-0.31       | 0.04/-0.31       |
| θ(45°)    | -0.56/2.82    | 2.94/1.67      | 3.11/3.37      | 1.70/1.72      | 2.58/1.86      | 1.99/3.52      | 2.31/-1.12     | 0.43/0.24        | -2.71/-3.85      | -2.31/-0.52      | -2.58/-3.32      | -0.62/0.29       | -1.47/-3.22      | -2.60/-4.10      | -5.14/-5.43      | -4.90/-5.32      | -4.98/-5.00      | -3.96/-4.03      | -6.46/-6.91      | -6.91/-7.36      | -3.99/-2.88      | -3.11/-4.20      | -1.40/0.56       | 1.56/-1.12       |
| θ(52.5°)  | 0.27/2.55     | 3.35/3.18      | 4.49/5.25      | 4.50/4.15      | 4.32/3.33      | 1.68/2.72      | 2.17/-0.75     | -0.68/-0.29      | -0.50/-1.07      | 0.01/-0.85       | -0.86/-1.39      | -0.64/-0.47      | -2.59/-3.40      | -3.68/-5.58      | -5.13/-4.43      | -3.65/-4.69      | -5.47/-4.89      | -4.16/-2.62      | -4.89/-8.53      | -7.75/-9.21      | -5.72/-3.34      | -3.01/-2.43      | -1.23/-1.01      | -0.09/-0.98      |
| θ(60°)    | -0.74/1.29    | 3.23/3.10      | 4.12/4.24      | 1.49/3.54      | 1.89/2.04      | 1.58/1.94      | 2.70/-0.82     | -2.87/-2.96      | -0.51/0.25       | 1.13/0.58        | -2.13/-1.41      | -2.37/-1.50      | -1.45/-5.41      | -5.76/-4.52      | -4.50/-4.21      | -4.40/-3.21      | -3.88/-3.06      | -4.58/-10.13     | -9.45/-9.59      | -8.55/-3.33      | -2.40/-2.84      | -3.27/-3.78      | -1.10/-0.06      | -1.10/-0.06      |
| θ(67.5°)  | 0.16/1.44     | 1.95/2.27      | 4.29/3.22      | 3.52/3.62      | 2.19/1.97      | 0.06/2.50      | 0.85/0.82      | -1.48/-1.65      | -1.84/0.10       | 2.82/1.41        | -2.24/-0.82      | -1.83/-0.28      | -1.76/-9.25      | -8.19/-8.51      | -6.61/-4.94      | -5.95/-6.44      | -4.99/-2.78      | -3.02/-2.22      | -3.62/-4.09      | -8.71/-11.17     | -7.27/-2.03      | -2.89/-4.08      | -2.44/-1.01      | 0.65/2.51        |
| θ(75°)    | 1.78/1.53     | -0.75/0.98     | 3.93/2.96      | 2.62/3.02      | 1.77/1.21      | -2.38/2.14     | 1.83/2.15      | 0.72/-0.00       | -1.68/-0.02      | 1.51/1.99        | -3.66/-1.23      | -1.10/-1.46      | -1.47/-9.54      | -8.50/-8.16      | -6.77/-5.13      | -9.04/-8.35      | -5.08/-4.22      | -3.81/-3.07      | -2.24/-8.20      | -8.37/-14.48     | -6.93/-1.54      | -2.55/-2.66      | 0.09/1.11        | 1.30/2.86        |
| θ(82.5°)  | 2.23/1.33     | -3.36/-0.51    | 2.74/1.50      | 1.49/0.10      | 0.03/-1.06     | -4.88/1.99     | 1.22/2.19      | 1.15/0.50        | -1.26/0.15       | 1.20/0.12        | -3.67/-0.22      | -1.98/-1.45      | -5.47/-8.87      | -7.90/-5.32      | -6.46/-5.66      | -10.10/-8.39     | -5.31/-4.35      | -4.49/-5.62      | -3.21/6.91       | -7.34/-14.25     | -7.55/-1.85      | -1.97/-1.54      | 1.14/0.98        | 0.75/2.85        |
| θ(90°)    | 1.29/0.12     | -4.66/-1.54    | 0.50/-1.45     | -0.53/-3.47    | -2.94/-3.28    | -4.01/0.17     | 0.84/0.00      | 1.09/0.67        | -0.30/-0.58      | -0.38/-0.50      | -4.03/-1.91      | -0.79/-3.70      | -5.18/-10.25     | -7.62/-9.23      | -6.41/-6.74      | -13.46/-9.44     | -5.43/-7.00      | -5.22/-6.13      | -5.34/-6.44      | -8.87/-14.13     | -11.33/-3.92     | -3.23/-2.89      | 0.04/-0.90       | -1.11/0.53       |
| θ(97.5°)  | -1.00/-1.57   | -7.62/-3.33    | -1.85/-4.44    | -4.55/-4.46    | -3.57/-3.51    | -4.04/-0.96    | -1.28/-0.78    | -0.03/-2.33      | -1.29/-0.89      | -1.30/-2.42      | -2.99/-2.21      | -3.14/-4.75      | -6.77/-8.95      | -8.28/-12.01     | -8.79/-7.63      | -13.28/-10.73    | -7.32/-8.96      | -8.00/-8.86      | -7.25/-8.17      | -14.76/-12.81    | -15.41/-17.72    | -5.52/-6.53      | -2.75/-3.47      | -3.78/-1.68      |
| θ(105°)   | -3.18/-1.86   | -13.89/-5.07   | -6.03/-5.80    | -9.34/-4.38    | -4.05/-4.19    | -5.20/-2.73    | -4.43/-1.41    | -2.59/-3.52      | -1.54/-3.01      | -2.71/-2.24      | -4.08/-5.75      | -2.88/-3.37      | -8.90/-12.05     | -8.43/-11.68     | -10.33/-9.48     | -10.23/-11.34    | -7.48/-9.10      | -6.65/-10.06     | -7.96/-10.77     | -15.64/-11.96    | -12.64/-11.57    | -9.71/-9.58      | -6.85/-6.51      | -6.72/-6.69      |
| θ(112.5°) | -6.26/-4.58   | -14.04/-7.46   | -7.12/-4.62    | -7.94/-4.75    | -6.29/-8.73    | -10.59/-8.41   | -8.48/-4.05    | -4.33/-5.52      | -2.73/-3.79      | -4.52/-3.66      | -4.14/-5.48      | -4.44/-9.13      | -10.49/-11.57    | -12.88/-11.22    | -12.04/-14.00    | -8.58/-13.40     | -14.15/-10.42    | -6.28/-7.26      | -9.04/-14.28     | -14.31/-11.78    | -14.81/-12.19    | -9.23/-12.38     | -8.02/-7.45      | -9.24/-6.30      |
| θ(120°)   | -8.40/-6.58   | -10.94/-11.33  | -10.34/-7.81   | -10.90/-7.54   | -15.02/-15.19  | -10.47/-6.43   | -7.07/-5.21    | -7.03/-6.46      | -4.25/-5.13      | -4.99/-5.20      | -5.96/-5.85      | -6.42/-9.26      | -12.88/-10.67    | -14.94/-15.99    | -15.00/-1        |                  |                  |                  |                  |                  |                  |                  |                  |                  |



# Antenna Pattern\_Radio 3 2.4GHz,5GHz,6GHz for EUT 1

# Appendix I

|           |               |                |                |                |                |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|-----------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| θ(120°)   | -15.43/-15.74 | -14.89/-15.23  | -11.90/-14.57  | -11.57/-12.86  | -10.43/-14.78  | -14.40/-15.01  | -8.30/-7.99    | -10.00/-6.39     | -6.48/-6.91      | -5.06/-5.21      | -4.60/-3.23      | -4.65/-3.44      | -4.13/-6.49      | -4.77/-7.34      | -6.91/-4.66      | -2.95/-4.08      | -8.17/-7.31      | -6.52/-7.93      | -6.32/-8.61      | -14.52/-10.51    | -8.93/-8.31      | -12.03/-10.51    | -12.19/-15.64    | -14.97/-14.26    |
| θ(127.5°) | -12.51/-13.73 | -14.27/-12.36  | -13.61/-13.24  | -14.21/-14.68  | -10.38/-15.50  | -14.86/-12.16  | -11.22/-9.74   | -7.44/-7.59      | -9.06/-7.38      | -5.90/-5.83      | -5.15/-4.31      | -6.22/-6.48      | -10.71/-5.89     | -7.99/-7.14      | -2.75/-9.08      | -8.59/-2.89      | -7.29/-11.92     | -5.97/-5.02      | -7.22/-5.72      | -15.24/-10.55    | -7.77/-8.20      | -11.94/-11.40    | -8.91/-10.51     | -13.56/-10.63    |
| θ(135°)   | -12.11/-14.65 | -15.60/-12.79  | -12.84/-12.91  | -13.77/-15.79  | -9.33/-8.35    | -10.46/-10.65  | -9.99/-8.41    | -8.42/-10.76     | -10.15/-8.06     | -5.79/-5.90      | -7.25/-8.61      | -4.01/-6.71      | -5.70/-6.01      | -9.42/-7.84      | -12.89/-8.63     | -2.81/-2.85      | -7.11/-15.23     | -8.81/-4.92      | -6.91/-6.75      | -11.63/-12.51    | -7.16/-12.53     | -7.92/-15.16     | -11.66/-11.00    |                  |
| θ(142.5°) | -13.11/-10.16 | -11.55/-13.07  | -11.68/-12.10  | -14.48/-12.86  | -14.70/-15.56  | -15.45/-11.92  | -13.00/-9.40   | -8.57/-7.89      | -7.59/-8.11      | -7.02/-8.33      | -7.57/-7.79      | -9.54/-9.71      | -8.64/-11.66     | -9.61/-8.70      | -7.92/-6.00      | -3.71/-3.29      | -7.94/-14.27     | -10.85/-6.55     | -6.32/-14.50     | -12.11/-14.26    | -6.77/-5.49      | -9.34/-10.01     | -14.21/-7.17     | -10.34/-14.09    |
| θ(150°)   | -9.59/-11.80  | -15.44/-15.21  | -15.63/-13.60  | -13.90/-13.56  | -11.10/-12.20  | -13.07/-13.60  | -15.78/-15.30  | -13.88/-11.49    | -9.36/-8.88      | -6.70/-6.94      | -6.70/-5.46      | -6.91/-8.06      | -5.73/-5.95      | -8.59/-8.94      | -8.98/-8.70      | -7.65/-10.49     | -11.00/-10.06    | -8.40/-11.31     | -15.54/-11.31    | -7.35/-6.91      | -9.47/-14.39     | -13.91/-8.53     | -9.05/-10.56     |                  |
| θ(157.5°) | -12.37/-12.66 | -12.28/-13.30  | -13.18/-14.08  | -15.50/-14.06  | -11.76/-10.79  | -11.53/-9.58   | -9.79/-11.21   | -12.26/-13.14    | -15.41/-14.08    | -14.06/-11.99    | -9.57/-7.96      | -7.26/-6.97      | -8.11/-8.77      | -8.36/-9.57      | -9.12/-10.99     | -11.75/-9.82     | -11.04/-10.00    | -8.29/-8.62      | -8.48/-8.05      | -10.04/-10.92    | -8.91/-10.59     | -11.70/-15.04    | -12.10/-15.04    |                  |
| θ(165°)   | -11.24/-11.84 | -13.89/-13.08  | -14.07/-11.33  | -10.96/-10.53  | -8.86/-8.30    | -7.78/-8.50    | -10.24/-9.76   | -9.40/-9.32      | -10.61/-11.40    | -10.56/-12.97    | -14.64/-14.03    | -14.57/-14.59    | -14.05/-13.56    | -12.03/-12.43    | -11.64/-13.70    | -10.87/-8.35     | -7.75/-6.08      | -6.71/-7.05      | -7.26/-6.72      | -5.62/-6.49      | -10.54/-14.70    | -15.25/-14.73    | -14.00/-14.37    | -14.67/-13.96    |
| θ(172.5°) | -13.08/-12.27 | -9.07/-8.32    | -7.72/-6.97    | -7.25/-7.71    | -8.57/-8.84    | -8.63/-8.87    | -8.43/-8.24    | -8.12/-8.15      | -8.63/-10.24     | -11.03/-12.11    | -14.15/-14.26    | -12.17/-11.45    | -10.25/-10.04    | -10.21/-10.46    | -10.04/-9.29     | -8.59/-8.43      | -8.64/-8.20      | -7.93/-8.46      | -8.87/-9.13      | -10.06/-12.12    | -11.10/-10.22    | -10.72/-11.18    | -11.96/-12.40    | -12.23/-14.15    |
| θ(180°)   | -9.95/-9.16   | -9.21/-9.13    | -8.55/-8.51    | -9.74/-9.47    | -9.89/-10.15   | -9.61/-9.36    | -9.11/-9.13    | -9.20/-8.54      | -8.07/-8.45      | -8.87/-8.64      | -8.69/-9.21      | -9.10/-9.38      | -9.70/-8.77      | -9.08/-8.53      | -8.31/-7.65      | -7.40/-7.78      | -7.80/-7.68      | -8.28/-9.66      | -11.80/-15.14    | -15.39/-15.19    | -13.76/-14.80    | -16.07/-15.54    | -14.26/-11.68    | -11.33/-9.61     |
| Freq(Hz)  | 6.995GPol.    | TotalAnt.2     | +              | +              | +              | +              | +              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |
| Gain      | Φ(0°)Φ(7.5°)  | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
| θ(0°)     | 4.03/3.96     | 4.24/4.22      | 4.41/4.18      | 3.97/4.18      | 4.19/4.19      | 4.31/4.45      | 4.48/4.49      | 4.39/4.42        | 4.70/4.52        | 4.65/4.54        | 4.64/4.59        | 4.58/4.34        | 4.47/4.27        | 4.08/4.22        | 4.10/4.11        | 4.03/3.98        | 4.04/4.06        | 3.83/4.33        | 4.64/4.59        | 4.47/4.42        | 4.62/4.83        | 4.88/4.86        | 4.76/4.63        | 4.53/4.49        |
| θ(7.5°)   | 4.18/4.14     | 3.76/5.51      | 3.92/4.13      | 4.00/4.18      | 4.35/4.45      | 4.52/4.69      | 4.82/4.79      | 4.80/4.76        | 4.82/4.87        | 4.69/4.55        | 4.39/4.15        | 4.21/4.00        | 4.08/4.09        | 3.97/4.11        | 4.43/4.13        | 4.06/4.32        | 4.76/4.70        | 4.62/4.65        | 5.13/5.19        | 5.04/5.09        | 5.18/4.95        | 4.81/4.55        | 4.03/4.22        | 4.07/4.25        |
| θ(15°)    | 3.33/3.80     | 4.28/4.08      | 3.75/5.55      | 3.42/5.37      | 3.58/3.78      | 3.94/3.85      | 3.85/3.87      | 4.10/4.45        | 4.74/4.71        | 4.84/4.42        | 3.86/3.75        | 3.60/4.28        | 4.55/4.29        | 4.17/3.89        | 3.29/3.31        | 2.95/3.00        | 3.05/2.96        | 3.00/3.21        | 3.72/3.96        | 4.30/4.24        | 4.03/4.15        | 3.77/3.82        | 3.55/3.14        |                  |
| θ(22.5°)  | 3.76/3.63     | 2.79/2.75      | 3.15/4.37      | 3.80/3.31      | 3.31/3.66      | 3.37/3.86      | 3.62/3.72      | 4.18/4.61        | 4.66/4.00        | 3.36/3.72        | 4.01/3.84        | 3.54/3.14        | 3.06/3.34        | 2.98/3.03        | 2.95/3.13        | 3.66/3.41        | 3.33/3.09        | 3.09/3.43        | 3.78/3.41        | 2.71/3.06        |                  |                  |                  |                  |
| θ(30°)    | 1.78/1.97     | 1.93/2.12      | 1.94/1.37      | 0.78/0.66      | 1.21/1.45      | 2.08/2.99      | 2.89/2.81      | 3.60/3.71        | 2.82/3.19        | 3.44/3.22        | 3.37/3.07        | 2.58/1.94        | 1.83/2.40        | 2.67/2.69        | 3.23/3.42        | 3.24/3.09        | 2.60/3.04        | 2.74/2.59        | 2.44/2.63        | 2.96/3.03        | 3.08/2.95        | 2.61/1.51        | 0.45/0.39        | 1.13/1.46        |
| θ(37.5°)  | -0.36/-1.03   | -1.55/-4.00    | 0.92/0.47      | 0.67/1.10      | 1.04/0.21      | -0.30/-1.26    | 1.96/2.09      | 2.17/2.66        | 2.03/1.66        | 2.31/3.95        | 1.49/1.39        | 0.52/-0.45       | 1.22/2.09        | 1.93/2.58        | 2.99/2.68        | 2.76/2.34        | 2.63/2.17        | 1.72/2.16        | 1.40/1.71        | 1.60/2.02        | 2.18/0.88        | 0.55/0.58        | -1.12/-1.88      | -1.83/-1.50      |
| θ(45°)    | -3.17/-3.31   | -2.36/-1.23    | -1.45/-2.82    | -2.50/-2.80    | -3.01/-2.57    | -3.50/-1.26    | 0.50/0.98      | 0.99/1.70        | 0.82/0.84        | -0.76/2.00       | 0.20/0.11        | 0.55/0.05        | 0.83/0.83        | 1.59/2.37        | 2.59/2.87        | 3.15/1.98        | 1.55/1.78        | 1.31/0.26        | 0.72/0.54        | -0.14/-1.87      | -0.47/0.06       | -1.52/-2.79      | -3.63/-6.18      | -5.05/-4.03      |
| θ(52.5°)  | -8.61/-6.88   | -4.03/-4.59    | -5.11/-6.16    | -4.39/-4.76    | -7.13/-4.17    | -3.40/-1.15    | 0.35/0.51      | -0.24/0.94       | -0.77/-0.97      | -1.43/-1.19      | -0.23/0.32       | 0.37/-1.17       | -0.26/-1.20      | 0.77/0.91        | 2.29/2.22        | 2.19/2.64        | 1.37/0.23        | 0.80/-0.42       | -0.41/-0.66      | -0.89/-1.73      | -4.47/-3.06      | 4.44/-3.99       | -5.03/-7.59      | -9.91/-12.81     |
| θ(60°)    | -6.84/-6.48   | -5.47/-4.52    | -5.93/-6.86    | -5.57/-3.41    | -4.92/-6.29    | -1.72/-0.23    | 0.60/0.69      | 0.21/1.82        | -0.85/-1.63      | -2.69/-2.29      | -1.55/-0.08      | -0.86/-2.43      | -1.44/-2.58      | -0.96/-0.08      | 2.30/3.16        | 2.91/1.97        | 0.54/0.07        | 0.36/0.04        | -1.12/-4.00      | -1.59/-8.07      | -3.66/-5.33      | -9.07/-5.57      | -9.53/-9.29      | -15.68/-14.67    |
| θ(67.5°)  | -6.65/-3.02   | -4.98/-4.64    | -5.77/-6.63    | -6.48/-6.65    | -7.36/-6.76    | -3.16/-0.31    | -2.04/-1.78    | -2.80/-4.03      | -3.83/-3.84      | -1.12/-0.85      | -1.06/-1.73      | -0.48/-2.03      | -0.16/-2.52      | 1.55/2.74        | 2.00/0.86        | -0.55/-1.13      | 0.23/0.48        | 0.37/-0.19       | -1.08/-0.71      | -4.59/-3.61      | -4.81/-4.37      | -10.74/-8.20     | -9.25/-9.44      |                  |
| θ(75°)    | -7.68/-3.01   | -2.58/-1.56    | -3.17/-7.15    | -6.99/-8.66    | -8.93/-4.74    | -1.29/-2.93    | -1.90/-0.42    | -1.89/-2.17      | -3.46/-1.53      | -3.46/-3.50      | -1.71/-1.62      | -0.99/-1.69      | -0.76/-2.34      | -0.16/-0.06      | 0.34/2.01        | 1.39/0.68        | -0.87/-0.74      | 0.02/-0.20       | 1.02/0.31        | -3.41/-0.32      | -0.66/-3.04      | -2.79/-3.59      | -5.82/-5.93      | -6.54/-6.24      |
| θ(82.5°)  | -8.37/-2.98   | -2.41/-0.71    | -1.52/-4.67    | -5.02/-10.00   | -6.52/-2.91    | -2.20/-2.92    | -1.64/-1.94    | -0.92/-1.62      | -2.13/-3.10      | -3.70/-3.72      | -1.65/-1.53      | -0.75/-1.20      | -1.02/-0.77      | -1.44/-0.44      | -0.19/0.37       | 0.58/0.52        | -0.43/-2.12      | -0.30/-0.15      | 0.44/-0.29       | -3.08/-0.51      | -1.67/-2.58      | -0.86/-1.92      | -4.69/-6.93      | -5.15/-4.86      |
| θ(90°)    | -9.94/-6.06   | -5.52/-1.65    | -2.81/-5.40    | -6.67/-10.22   | -4.55/-2.99    | -5.63/-4.53    | -9.90/-4.11    | -2.57/-2.80      | -1.35/-4.52      | -2.65/-4.16      | -2.32/-2.99      | -1.15/-2.05      | -1.78/-1.66      | -2.01/-0.74      | -2.05/2.29       | 0.20/-1.06       | -1.01/-2.83      | -3.12/-0.57      | -2.76/-3.73      | -4.54/-1.92      | -4.35/-5.27      | -5.34/-5.52      | -5.29/-4.82      |                  |
| θ(97.5°)  | -8.53/-10.49  | -10.57/-4.57   | -5.62/-6.48    | -12.07/-10.02  | -8.09/-7.37    | -8.46/-7.86    | -4.60/-4.87    | -4.69/-3.60      | -4.26/-5.56      | -4.12/-4.20      | -3.21/-2.76      | -1.57/-2.04      | -1.96/-3.06      | -3.16/-2.12      | -1.52/-0.90      | -0.01/-1.12      | -2.34/-4.36      | -4.30/-1.55      | -4.17/-7.60      | -6.55/-5.16      | -6.77/-1.88      | -4.34/-6.14      | -11.38/-9.01     | -7.26/-6.64      |
| θ(105°)   | -8.03/-2.37   | -7.84/-6.98    | -7.61/-6.42    | -10.48/-9.11   | -11.97/-9.76   | -8.52/-8.04    | -4.60/-3.97    | -6.58/-4.80      | -6.42/-6.41      | -5.01/-5.72      | -4.03/-2.24      | -3.07/-3.63      | -2.80/-5.49      | -3.41/-4.19      | -3.76/-1.78      | -1.83/-3.16      | -5.33/-5.57      | -4.83/-2.92      | -2.79/-6.39      | -9.39/-4.17      | -3.80/-12.74     | -9.98/-6.96      | -9.31/-9.36      | -10.62/-9.37     |
| θ(112.5°) | -8.45/-8.72   | -9.39/-8.88    | -11.33/-10.24  | -8.22/-10.61   | -9.70/-6.44    | -7.03/-12.47   | -7.02/-5.99    | -8.98/-5.97      | -6.61/-8.19      | -5.31/-6.74      | -4.96/-3.11      | -2.85/-5.20      | -2.78/-4.62      | -4.46/-6.65      | -5.63/-3.61      | -3.37/-1.76      | -6.54/-7.72      | -6.11/6.65       | -2.74/-8.09      | -8.23/-5.71      | -4.59/-13.56     | -11.51/-11.07    | -13.81/-13.99    | -15.34/-8.35     |
| θ(120°)   | -11.61/-15.52 | -13.40/-15.21  | -10.69/-11.39  | -11.65/-10.71  | -11.29/-14.93  | -15.41/-15.11  | -12.11/-15.45  | -9.21/-8.55      | -10.49/-7.51     | -5.61/-7.82      | -5.45/-5.24      | -5.45/-3.89      | -3.87/-6.32      | -5.24/-7.59      | -4.59/-4.77      | -3.49/-3.79      | -4.54/-10.26     | -5.60/-9.88      | -5.91/-11.10     | -12.95/-11.25    | -6.47/-13.39     | -13.49/-11.85    | -12.33/-12.91    | -14.18/-14.84    |
| θ(127.5°) | -15.10/-12.36 | -10.56/-11.38  | -9.13/-13.37   | -12.90/-12.14  | -10.64/-14.70  | -11.36/-10.41  | -12.24/-10.63  | -9.23/-12.10     | -10.42/-9.97     | -6.94/-7.44      | -6.83/-5.89      | -9.47/-6.13      | -6.22/-5.95      | -7.41/-7.52      | -4.11/-5.87      | -4.91/-3.86      | -6.75/-10.73     | -5.92/-7.79      | -5.51/-5.65      | -11.84/-8.67     | -6.25/-10.04     | -11.79/-11.26    | -7.63/-13.98     | -11.95/-12.49    |
| θ(135°)   | -12.53/-13.95 | -11.90/-15.06  | -14.47/-16.04  | -16.00/-11.52  | -10.43/-9.74   | -11.12/-11.58  | -12.15/-8.70   | -9.48/-8.86      | -9.51/-6.30      | -7.82/-7.52      | -4.67/-6.90      | -7.53/-5.32      | -9.00/-6.97      | -8.47/-13.34     | -4.23/-4.14      | -6.03/-14.27     | -9.18/-5.98      | -6.46/-7.29      | -12.38/-8.24     | -4.70/-7.05      | -8.18/-11.35     | -6.97/-13.00     | -13.51/-15.15    |                  |
| θ(142.5°) | -10.18/-11.54 | -14.25/-9.74   | -9.85/-15.04   | -15.44/-13.99  | -15.72/-14.99  | -14.34/-11.52  | -10.27/-9.34   | -7.36/-7.16      | -9.51/-8.44      | -6.29/-12.02     | -9.09/-7.86      | -9.37/-11.66     | -9.98/-8.20      | -11.74/-9.88     | -10.38/-7.71     | -8.82/-6.15      | -8.28/-14.90     | -10.89/-6.54     | -8.11/-12.70     | -13.92/-7.94     | -6.32/-4.11      | -10.71/-10.31    | -13.01/-8.70     | -10.05/-9.79     |
| θ(150°)   | -8.46/-11.94  | -15.07/-15.22  | -15.05/-11.29  | -11.80/-13.07  | -14.69/-13.88  | -13.69/-15.43  | -15.62/-15.63  | -11.66/-14.29    | -9.11/-8.46      | -9.13/-6.65      | -9.08/-7.57      | -7.50/-6.06      | -6.05/-7.77      | -7.18/-4.50      | -5.78/-7.73      | -8.08/-10.83     | -10.71/-11.52    | -1.60/-10.34     | -8.93/-8.22      | -12.19/-14.30    | -11.39/-9.48     | -12.38/-12.17    | -11.52/-8.71     | -10.66/-13.62    |
| θ(157.5°) | -15.52/-10.77 | -10.67/-13.17  | -12.94/-14.51  | -12.73/-12.39  | -11.27/-11.13  | -10.74/-9.76   | -11.63/-12.56  | -11.37/-15.52    | -12.08/-9.52     | -11.66/-14.01    | -12.55/-9.60     | -6.92/-6.61      | -7.91/-8.71      | -8.76/-9.92      | -10.80/-11.18    | -12.74/-12.16    | -9.42/-9.58      | -8.32/-9.44      | -9.97/-11.09     | -11.64/-11.08    | -10.10/-11.70    | -10.32/-7.40     | -9.97/-9.02      | -9.18/-15.59     |
| θ(165°)   | -16.14/-14.21 | -15.35/-14.57  | -15.11/-14.12  | -12.80/-12.32  | -10.35/-9.75   | -11.06/-12.17  | -11.04/-9.60   | -9.45/-10.72     | -13.14/-14.09    | -13.17/-15.43    | -14.41/-13.67    | -13.27/-12.70    | -12.93/-12.87    | -11.83/-12.86    | -11.39/-10.01    | -10.24/-8.61     | -9.38/-8.57      | -7.79/-7.94      | -8.06/-7.80      | -6.63/-6.65      | -7.85/-9.98      | -11.74/-13.23    | -15.62/-12.95    | -10.06/-12.99    |
| θ(172.5°) | -11.43/-11.11 | -9.77/-9.80    | -7.56/-7.44    | -7.            |                |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |



# Antenna Pattern\_Radio 3 2.4GHz,5GHz,6GHz for EUT 1

# Appendix I

|           |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-----------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ(165°)   | -9.13/-9.78   | -11.21/-12.10   | -11.82/-10.70   | -11.84/-14.80   | -14.96/-15.23   | -14.28/-14.41   | -14.68/-15.88   | -14.98/-14.55     | -14.93/-15.61     | -15.66/-15.56     | -14.57/-15.37     | -14.75/-12.03     | -9.39/-9.94       | -11.24/-12.37     | -11.74/-11.21     | -11.83/-12.47     | -13.50/-13.98     | -15.43/-15.69     | -14.49/-14.48     | -12.67/-11.67     | -11.90/-12.52     | -12.62/-13.15     | -14.23/-12.93     | -11.87/-11.55     |
| Θ(172.5°) | -11.54/-13.55 | -12.87/-12.34   | -12.72/-12.91   | -12.88/-12.46   | -11.99/-11.06   | -10.80/-11.17   | -11.50/-11.40   | -12.97/-14.16     | -15.06/-14.89     | -13.92/-14.12     | -13.95/-12.42     | -13.19/-11.64     | -10.29/-12.93     | -12.43/-11.37     | -10.93/-10.18     | -10.60/-11.76     | -12.37/-13.00     | -13.61/-15.38     | -15.37/-15.06     | -15.66/-15.14     | -14.68/-13.32     | -12.65/-12.42     | -13.36/-14.40     | -11.79/-11.35     |
| Θ(180°)   | -11.07/-11.85 | -12.49/-11.51   | -13.14/-15.11   | -15.66/-15.31   | -15.82/-15.64   | -15.51/-14.90   | -14.96/-14.76   | -13.77/-13.61     | -13.55/-12.99     | -12.57/-12.83     | -12.43/-13.83     | -14.08/-13.17     | -13.00/-13.08     | -12.91/-13.42     | -15.60/-15.08     | -14.39/-13.63     | -12.52/-13.67     | -12.73/-12.80     | -11.96/-11.74     | -11.77/-12.65     | -11.89/-10.87     | -11.29/-12.02     | -11.91/-11.06     |                   |
| Freq(Hz)  | 6.175GPol.    | TotalAnt.3      | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |                   |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 4.754/40      | 4.294/14        | 4.164/42        | 4.454/22        | 4.043/87        | 3.763/91        | 3.843/93        | 3.993/87          | 4.114/01          | 3.793/72          | 3.933/99          | 3.884/05          | 4.104/02          | 4.133/92          | 4.144/33          | 4.674/60          | 4.574/43          | 4.364/46          | 4.824/60          | 4.844/63          | 4.314/55          | 4.644/70          |                   |                   |
| Θ(7.5°)   | 4.364/57      | 4.524/61        | 4.875/18        | 5.195/05        | 4.904/94        | 5.095/07        | 5.085/05        | 4.945/09          | 5.205/11          | 4.984/85          | 4.804/70          | 4.644/32          | 4.083/83          | 3.663/33          | 3.423/53          | 3.473/54          | 3.373/29          | 3.113/26          | 3.083/28          | 3.263/12          | 3.453/53          | 3.833/89          | 3.974/26          | 4.204/26          |
| Θ(15°)    | 3.823/99      | 4.244/06        | 4.034/56        | 4.915/30        | 5.595/67        | 5.355/09        | 4.864/82        | 5.005/22          | 5.285/14          | 5.055/07          | 4.774/58          | 4.754/55          | 4.303/73          | 3.062/49          | 2.251/90          | 1.961/60          | 1.551/03          | 0.400/13          | 0.140/46          | 0.860/78          | 0.641/25          | 1.571/92          | 2.853/32          |                   |
| Θ(22.5°)  | 2.342/82      | 3.683/79        | 3.503/13        | 3.614/46        | 5.075/04        | 4.834/33        | 4.064/20        | 4.785/05          | 4.895/02          | 4.834/35          | 4.373/94          | 2.682/37          | 1.961/40          | 1.311/57          | 1.391/07          | 0.700/76          | 0.051/-105        | -2.12/-2.16       | -2.03/-2.54       | -2.89/-2.56       | -2.35/-0.98       | -0.41/-0.37       | 0.681/78          |                   |
| Θ(30°)    | 1.381/43      | 2.453/19        | 2.742/62        | 3.313/12        | 2.992/92        | 3.152/87        | 2.993/64        | 3.903/67          | 3.574/23          | 4.673/95          | 3.593/85          | 4.253/93          | 2.471/91          | 1.390/18          | -0.480/55         | 1.541/18          | 0.570/47          | -0.35/-1.54       | -1.78/-2.45       | -2.80/-2.97       | -2.64/-2.67       | -2.24/-1.30       | -1.60/-2.75       | -1.79/-0.05       |
| Θ(37.5°)  | 0.970/95      | 1.522/45        | 1.451/42        | 2.461/78        | 1.212/02        | 2.432/73        | 3.513/21        | 3.223/62          | 3.613/69          | 3.453/42          | 2.151/06          | 1.862/13          | 0.990/29          | 0.361/-0.43       | 0.580/51          | 0.391/-000        | -0.06/-0.03       | -0.51/-1.12       | -1.39/-1.61       | -2.94/-3.72       | -3.13/-2.52       | -1.51/-0.86       | -0.76/-0.28       | -0.630/30         |
| Θ(45°)    | 1.491/67      | 1.300/43        | 1.251/50        | 0.601/49        | 0.970/92        | 1.242/10        | 2.202/23        | 2.893/52          | 3.404/16          | 4.454/40          | 2.981/68          | 1.040/50          | -0.05/-1.60       | -1.88/-0.71       | 0.720/43          | -0.24/-0.48       | -0.400/03         | -0.15/-2.57       | -4.58/-4.30       | -3.60/-3.36       | -1.93/-0.25       | -0.39/-0.32       | -0.76/-1.24       | -0.090/65         |
| Θ(52.5°)  | 1.271/14      | 1.671/36        | 0.550/77        | 0.171/29        | -1.940/77       | 1.521/85        | 1.621/79        | 2.553/51          | 3.733/24          | 2.673/55          | 2.550/86          | 0.351/09          | -2.71/-2.03       | -0.310/66         | 0.20/-0.94        | -1.88/-1.43       | -1.31/-1.38       | -0.68/-4.21       | -4.44/-4.51       | -2.58/-1.75       | -1.510/30         | 0.450/51          | 0.611/-0.67       | -1.57/-0.26       |
| Θ(60°)    | 0.260/83      | 1.431/05        | 0.410/25        | -0.40/-0.09     | -0.820/41       | 0.020/28        | -0.050/46       | 0.610/82          | 2.103/29          | 2.721/67          | 1.840/25          | -0.52/-1.63       | -4.79/-6.62       | -0.89/-0.16       | -0.35/-0.74       | -1.72/-1.95       | -0.22/-0.36       | 0.50/-2.90        | -1.60/-1.01       | -1.30/-0.97       | -1.360/09         | 0.610/75          | 0.680/05          | -0.34/-0.37       |
| Θ(67.5°)  | -0.77/-1.76   | 0.360/49        | 0.000/09        | -0.40/-0.44     | -0.49/-2.24     | -1.05/-1.57     | -2.29/-1.32     | -0.89/-0.48       | -0.311/80         | 2.850/64          | 1.39/-1.06        | -2.67/-8.35       | -13.72/-4.08      | -0.19/-1.37       | -0.520/60         | -0.17/-0.95       | 0.821/36          | 0.27/-2.08        | -0.83/-1.35       | -0.69/-0.11       | -0.20/-0.57       | 0.07/-0.73        | -0.64/-0.44       |                   |
| Θ(75°)    | -0.36/-2.27   | -0.25/-0.22     | -0.81/-0.35     | -2.66/-1.22     | -2.47/-1.96     | -1.08/-1.99     | -3.24/-5.27     | -2.72/-0.82       | -2.23/-1.35       | 0.920/57          | 0.030/31          | -7.77/-6.27       | -9.18/-1.00       | -0.06/-0.94       | 0.381/61          | 2.751/14          | 1.582/85          | 0.25/-1.24        | -0.121/57         | -0.39/-0.26       | 0.31/-0.09        | -0.83/-1.44       | -0.17/-1.34       | -2.21/-0.56       |
| Θ(82.5°)  | -0.94/-3.83   | -1.56/-1.42     | -2.39/-1.07     | -3.00/-2.16     | -3.95/-1.46     | -0.26/-1.65     | -3.30/-10.86    | -5.93/-2.92       | -4.91/-3.30       | -1.75/-0.08       | -2.31/-3.24       | -14.91/-10.07     | -5.290/69         | -0.82/-0.89       | 1.102/43          | 3.261/40          | 1.373/15          | -0.36/-0.79       | -0.190/83         | -0.250/29         | 0.07/-0.64        | -2.47/-2.22       | -0.64/-1.28       | -2.75/-2.13       |
| Θ(90°)    | -211/-3.10    | -1.82/-2.49     | -4.12/-3.55     | -3.93/-3.36     | -5.50/-2.38     | -1.25/-1.55     | -3.69/-7.65     | -4.42/-7.40       | -5.45/-5.11       | -3.24/-0.11       | -3.91/-4.00       | -14.58/-7.84      | -0.28/-0.98       | -1.66/-1.88       | -0.48/-1.75       | 2.800/82          | -0.012/09         | -2.50/-1.01       | -2.25/-1.57       | -1.09/-1.15       | -1.56/-2.20       | -3.91/-2.19       | -9.90/-2.12       | -4.30/-2.74       |
| Θ(97.5°)  | -3.84/-3.24   | -4.23/-3.47     | -3.73/-4.31     | -4.65/-5.28     | -4.72/-4.24     | -2.88/-2.40     | -3.83/-4.69     | -10.36/-5.73      | -5.34/-6.40       | -6.87/-3.41       | -4.62/-10.54      | -7.56/-5.75       | -6.14/-2.30       | -3.71/-5.78       | -4.17/-1.32       | -0.71/-3.59       | -2.35/-0.45       | -6.10/-3.90       | -5.45/-4.59       | -3.21/-2.92       | -3.75/-3.32       | -4.63/-3.35       | -3.10/-2.82       | -4.64/-2.55       |
| Θ(105°)   | -3.59/-3.54   | -5.08/-5.69     | -6.07/-7.04     | -5.36/-7.82     | -6.60/-7.54     | -5.69/-4.74     | -6.39/-6.25     | -11.57/-11.11     | -7.26/-10.77      | -10.70/-14.11     | -7.16/-8.88       | -6.41/-8.87       | -4.94/-3.11       | -6.06/-6.69       | -4.86/-3.29       | -3.18/-6.68       | -3.75/-1.66       | -4.84/-3.94       | -5.76/-2.86       | -4.02/-5.17       | -3.93/-3.49       | -5.01/-4.66       | -5.05/-3.23       | -3.71/-3.00       |
| Θ(112.5°) | -3.30/-5.45   | -5.58/-4.60     | -9.16/-8.71     | -6.69/-7.96     | -10.01/-11.37   | -6.66/-6.82     | -11.75/-8.33    | -6.72/-15.17      | -9.25/-6.50       | -6.03/-4.46       | -9.65/-10.62      | -6.53/-7.33       | -5.54/-4.31       | -8.25/-9.28       | -5.31/-2.66       | -1.76/-6.24       | -5.30/-1.33       | -5.79/-7.74       | -6.31/-2.90       | -2.94/-3.76       | -6.53/-6.38       | -4.75/-5.68       | -4.11/-6.20       | -5.23/-5.27       |
| Θ(120°)   | -6.02/-5.38   | -7.13/-4.70     | -8.88/-10.49    | -8.25/-8.48     | -8.28/-9.53     | -11.98/-9.26    | -9.88/-7.48     | -6.67/-12.98      | -9.95/-8.07       | -8.74/-5.32       | -13.63/-12.90     | -10.95/-11.17     | -7.24/-7.74       | -11.05/-10.05     | -7.84/-4.39       | -5.78/-5.61       | -3.78/-1.40       | -8.11/-13.73      | -5.31/-5.55       | -4.29/-4.04       | -7.56/-10.07      | -8.81/-7.36       | -5.17/-10.53      | -5.67/-4.88       |
| Θ(127.5°) | -5.87/-5.28   | -5.82/-9.06     | -5.39/-10.55    | -8.83/-11.80    | -8.91/-8.14     | -13.20/-14.64   | -10.43/-15.06   | -15.08/-14.90     | -14.60/-8.85      | -9.58/-11.72      | -13.22/-14.76     | -14.29/-15.25     | -8.81/-7.98       | -10.17/-11.18     | -8.29/-5.41       | -6.95/-8.29       | -4.29/-0.90       | -7.83/-15.95      | -6.00/-3.99       | -6.22/-9.14       | -10.29/-10.06     | -6.82/-1.56       | -5.73/-6.01       | -6.00/-5.65       |
| Θ(135°)   | -8.62/-7.74   | -4.40/-9.46     | -8.08/-9.40     | -9.88/-11.84    | -15.37/-8.79    | -9.09/-9.77     | -8.50/-11.70    | -8.84/-14.52      | -14.36/-10.94     | -6.80/-8.08       | -8.77/-6.57       | -12.39/-10.91     | -7.41/-4.78       | -9.23/-0.95       | -9.98/-8.24       | -15.59/-6.32      | -2.88/-1.92       | -7.55/-13.97      | -5.64/-6.33       | -5.58/-8.64       | -12.06/-15.59     | -10.65/-7.83      | -4.59/-6.21       | -7.27/-4.31       |
| Θ(142.5°) | -4.30/-5.93   | -6.39/-5.72     | -7.75/-9.98     | -12.13/-6.27    | -10.40/-9.88    | -10.06/-14.33   | -13.14/-12.09   | -10.26/-14.13     | -9.36/-9.40       | -12.71/-10.44     | -10.23/-15.25     | -10.60/-7.88      | -8.02/-9.54       | -12.75/-8.97      | -11.46/-15.43     | -10.49/-7.00      | -4.40/-5.71       | -11.10/-14.81     | -7.85/-5.71       | -8.50/-8.26       | -12.91/-15.10     | -14.59/-9.51      | -8.10/-8.73       | -7.89/-4.54       |
| Θ(150°)   | -8.00/-8.36   | -9.69/-7.89     | -6.17/-8.96     | -12.73/-10.39   | -14.99/-13.35   | -10.67/-8.95    | -10.46/-9.20    | -11.17/-12.29     | -15.61/-14.12     | -14.54/-15.69     | -16.45/-15.18     | -14.53/-11.72     | -13.33/-9.34      | -15.04/-15.24     | -11.04/-0.88      | -5.99/-7.04       | -14.58/-15.75     | -13.84/-10.27     | -11.35/-8.72      | -8.86/-15.42      | -10.49/-10.72     | -9.38/-10.15      | -9.17/-9.56       | -8.57/-8.22       |
| Θ(157.5°) | -8.77/-13.44  | -15.02/-14.13   | -15.58/-15.33   | -12.90/-10.80   | -11.22/-9.25    | -9.75/-11.90    | -11.90/-13.82   | -14.47/-13.89     | -11.37/-12.89     | -11.74/-13.89     | -14.41/-9.55      | -4.50/-7.77       | -6.66/-8.80       | -10.56/-13.22     | -14.96/-14.24     | -13.16/-11.90     | -9.87/-9.14       | -10.55/-11.88     | -12.37/-10.29     | -7.79/-7.20       | -7.58/-7.99       | -9.50/-10.81      |                   |                   |
| Θ(165°)   | -12.14/-10.91 | -10.29/-10.60   | -11.33/-10.09   | -9.16/-8.93     | -10.15/-10.30   | -9.79/-11.23    | -12.94/-14.75   | -15.79/-13.98     | -12.60/-13.52     | -13.25/-11.52     | -12.36/-15.59     | -14.33/-12.47     | -9.58/-5.77       | -4.92/-5.79       | -7.66/-8.80       | -10.56/-13.22     | -14.96/-14.24     | -13.16/-11.90     | -9.87/-9.14       | -10.55/-11.88     | -12.37/-10.29     | -7.79/-7.20       | -7.58/-7.99       | -9.50/-10.81      |
| Θ(172.5°) | -7.92/-9.40   | -10.71/-10.89   | -9.87/-10.40    | -12.93/-14.15   | -14.07/-12.99   | -13.00/-11.60   | -10.80/-11.42   | -11.78/-12.53     | -13.92/-12.99     | -11.92/-12.29     | -11.81/-10.75     | -11.78/-12.94     | -12.91/-13.77     | -15.07/-15.17     | -15.63/-15.83     | -15.59/-15.16     | -15.17/-13.62     | -10.61/-8.52      | -7.25/-6.93       | -6.70/-6.90       | -6.94/-8.02       | -9.38/-10.15      | -9.17/-9.56       | -8.57/-8.22       |
| Θ(180°)   | -12.51/-13.28 | -12.58/-11.93   | -11.82/-11.81   | -13.35/-13.20   | -13.46/-13.37   | -12.44/-12.87   | -14.70/-13.68   | -11.17/-10.23     | -9.36/-9.30       | -9.32/-10.17      | -10.94/-12.04     | -11.52/-11.24     | -12.82/-13.08     | -12.69/-12.96     | -12.84/-13.26     | -13.59/-13.08     | -12.78/-13.14     | -13.89/-13.64     | -12.38/-12.44     | -13.25/-12.28     | -12.81/-12.34     | -10.90/-10.91     | -10.66/-10.54     | -10.12/-10.28     |
| Freq(Hz)  | 6.475GPol.    | TotalAnt.3      | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |                   |
| Gain      | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ(0°)     | 5.345/12      | 5.385/31        | 5.245/29        | 5.415/51        | 5.545/43        | 5.175/16        | 5.095/14        | 5.225/02          | 5.045/06          | 4.834/80          | 5.115/24          | 5.265/21          | 5.365/50          | 5.695/37          | 5.805/34          | 5.845/88          | 5.695/37          | 5.305/22          | 5.585/13          | 5.185/26          | 5.055/14          | 5.435/40          |                   |                   |
| Θ(7.5°)   | 5.345/35      | 5.705/71        | 5.745/68        | 5.795/88        | 5.715/63        | 5.505/50        | 5.425/23        | 5.185/29          | 4.914/77          | 5.044/90          | 4.794/92          | 4.924/76          | 4.895/00          | 5.105/10          | 5.085/14          | 4.834/76          | 4.634/56          | 4.314/44          | 4.284/31          | 4.063/90          | 4.083/96          | 4.094/51          | 4.544/42          | 4.775/35          |
| Θ(15°)    | 4.164/73      | 5.034/81        | 4.884/96        | 5.115/13        | 5.125/40        | 5.385/40        | 5.295/21        | 5.285/27          | 5.074/88          | 4.874/41          | 4.504/63          | 4.694/75          | 4.434/19          | 4.094/09          | 4.103/76          | 3.603/07          | 2.932/47          | 2.041/89          | 1.631/81          | 1.811/74          | 1.321/14          | 1.111/36          | 1.772/25          | 2.483/39          |
| Θ(22.5°)  | 2.403/46      | 3.863/88        | 4.705/39        | 5.204/54        | 4.314/72        | 4.704/60        | 4.264/33        | 4.534/87          |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Antenna Pattern\_Radio 3 2.4GHz,5GHz,6GHz for EUT 1

# Appendix I

|            |               |                 |                 |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Θ (15°)    | -8.64/9.37    | -9.58/8.91      | -7.62/6.58      | -6.25/6.28      | -6.14/5.34      | -4.58/4.24      | -4.35/4.77      | -5.04/5.00        | -4.93/4.97        | -4.76/4.43        | -4.06/4.00        | -4.42/5.22        | -6.20/3.07        | -7.65/-8.61       | -10.58/-13.10     | -12.64/-12.67     | -12.73/-11.98     | -11.15/9.88       | -8.38/-7.27       | -6.71/6.58        | -6.75/7.00        | -7.15/7.49        | -7.98/-8.19       | -8.05/-8.11       |
| Θ (22.5°)  | -6.58/7.24    | -7.68/-8.91     | -7.75/-7.35     | -6.56/-5.57     | -3.93/-2.86     | -2.31/-1.90     | -1.88/-2.14     | -2.50/2.92        | -3.43/-3.71       | -3.35/-2.42       | -1.69/-1.31       | -1.47/-2.09       | -2.94/-3.87       | -4.86/-5.83       | -6.60/-6.85       | -6.83/-6.73       | -6.75/-6.86       | -7.30/-7.51       | -7.21/-6.37       | -5.63/-5.13       | -5.03/-5.17       | -5.48/-5.65       | -5.76/-5.88       | -5.52/-5.79       |
| Θ (30°)    | -4.94/5.23    | -5.04/4.75      | -4.49/-4.23     | -3.89/-3.52     | -2.62/-1.49     | -0.75/-0.26     | -0.40/-0.16     | -0.25/-0.02       | -0.83/-1.98       | -2.54/-1.93       | -1.02/-0.51       | -0.58/-1.01       | -1.67/-2.41       | -3.36/-4.32       | -5.04/-5.40       | -5.50/-5.21       | -5.17/-5.23       | -5.44/-5.79       | -6.02/-6.00       | -5.82/-5.25       | -5.43/-3.97       | -3.62/-3.47       | -3.20/-3.34       | -3.32/-3.94       |
| Θ (37.5°)  | -4.33/4.24    | -3.45/-2.51     | -1.71/-1.24     | -1.32/-1.72     | -1.89/-1.32     | -0.40/0.28      | 0.62/0.93       | 1.51/1.82         | 1.35/0.04         | -1.26/-1.12       | -0.48/-0.41       | -1.03/-1.81       | -2.52/-3.27       | -4.16/-5.08       | -5.86/-6.43       | -6.88/-7.25       | -7.52/-7.54       | -7.03/-6.20       | -5.12/-4.51       | -4.32/-4.06       | -3.70/-3.14       | -2.67/-2.27       | -2.13/-2.31       | -2.90/-3.50       |
| Θ (45°)    | -4.41/-3.72   | -2.54/-1.48     | -0.72/-0.40     | -0.51/-0.91     | -1.52/-1.83     | -1.38/-0.58     | 0.07/0.53       | 1.26/2.00         | 2.35/1.69         | 0.46/-0.16        | -0.33/-1.13       | -2.38/-3.13       | -3.14/-3.54       | -5.01/-7.15       | -8.83/-8.67       | -8.83/-9.11       | -9.74/-9.17       | -8.12/-7.08       | -5.39/-3.76       | -3.03/-2.74       | -2.57/-2.18       | -1.60/-1.23       | -1.45/-2.20       | -3.46/-2.48       |
| Θ (52.5°)  | -4.41/-3.37   | -2.28/-1.56     | -1.11/-0.97     | -1.08/-1.33     | -1.83/-2.59     | -2.93/-1.82     | -0.42/0.45      | 0.95/1.70         | <b>2.44/2.48</b>  | 1.51/0.36         | -0.50/-2.34       | -4.54/-3.10       | -2.27/-3.31       | -6.53/-9.34       | -9.97/-9.34       | -9.23/-10.31      | -10.21/-7.39      | -4.84/-3.62       | -2.45/-1.14       | -0.84/-1.24       | -1.53/-1.54       | -0.89/-0.21       | -0.56/-1.95       | -3.65/-4.73       |
| Θ (60°)    | -4.49/-3.44   | -2.56/-2.08     | -1.70/-1.56     | -1.89/-2.44     | -2.97/-3.43     | -3.28/-2.09     | -0.81/0.14      | 0.96/1.58         | 2.16/2.12         | 0.96/-0.68        | -1.25/-2.66       | -3.89/-1.84       | -0.92/-2.27       | -5.82/-8.78       | -8.49/-8.48       | -7.73/-7.67       | -7.62/-5.63       | -3.30/-2.47       | -1.72/-0.02       | 0.93/0.62         | -0.05/-0.74       | -0.83/-0.15       | -0.21/-1.39       | -2.95/-4.38       |
| Θ (67.5°)  | -4.30/-3.63   | -3.05/-2.42     | -1.64/-1.40     | -2.06/-3.02     | -3.62/-3.24     | -2.56/-1.84     | -1.09/-0.10     | 1.14/1.96         | 2.02/1.28         | -0.27/-1.19       | -0.57/-1.53       | -2.35/-0.79       | -0.99/-3.76       | -8.91/-10.27      | -9.60/-8.99       | -7.09/-5.24       | -4.20/-2.67       | -1.32/-1.19       | -1.54/-0.55       | 0.46/0.69         | 0.56/0.27         | -0.30/-0.42       | -0.52/-1.41       | -2.32/-2.39       |
| Θ (75°)    | -3.39/-3.40   | -3.42/-2.67     | -1.47/-1.23     | -1.79/-2.50     | -2.60/-2.35     | -2.45/-2.20     | -1.58/-0.71     | 0.41/1.65         | 1.78/0.69         | -0.25/-0.42       | -0.36/-2.17       | -4.59/-2.54       | -1.93/-3.82       | -6.94/-6.57       | -5.24/-6.33       | -8.00/-7.19       | -5.69/-3.24       | -1.09/-0.77       | -1.13/-0.57       | -0.13/-0.33       | -0.23/0.32        | 0.46/-0.00        | -0.66/-1.85       | -2.28/-2.45       |
| Θ (82.5°)  | -3.43/-3.29   | -3.49/-3.43     | -2.51/-2.02     | -2.12/-1.99     | -1.90/-2.82     | -4.12/-3.34     | -1.75/-0.97     | 0.04/1.75         | 2.39/0.94         | -0.94/-1.82       | -2.34/-3.41       | -3.74/-1.19       | -0.48/-2.18       | -4.30/-3.03       | -2.02/-3.20       | -4.76/-4.76       | -4.93/-3.73       | -1.79/-1.86       | -2.78/-1.58       | -0.37/-0.52       | -1.13/-1.05       | -0.23/-0.08       | -0.52/-2.14       | -3.39/-2.95       |
| Θ (90°)    | -4.33/-3.01   | -2.01/-1.71     | -1.28/-1.10     | -1.60/-2.41     | -3.68/-5.25     | -4.60/-2.75     | -1.78/-1.21     | 0.48/2.31         | 2.37/-0.65        | -3.61/-2.17       | -2.22/-2.25       | -3.65/-2.80       | -1.38/-2.08       | -4.41/-4.42       | -2.93/-3.35       | -3.64/-3.69       | -4.03/-3.27       | -1.22/-0.92       | -2.61/-3.21       | -2.08/-1.52       | -1.56/-1.91       | -1.47/-1.19       | -0.95/-1.80       | -3.86/-5.05       |
| Θ (97.5°)  | -4.52/-3.72   | -2.12/-1.51     | -1.04/-0.95     | -1.46/-2.64     | -3.74/-3.80     | -2.94/-2.43     | -2.26/-1.05     | 0.65/1.39         | 0.03/-0.40        | -2.16/-1.68       | -3.06/-3.01       | -5.12/-3.33       | -1.61/-2.24       | -4.83/-5.42       | -9.26/-9.88       | -11.24/-11.26     | -11.66/-8.59      | -4.53/-4.43       | -7.70/-8.25       | -5.35/-3.48       | -2.32/-2.44       | -3.83/-4.70       | -4.19/-3.11       | -2.59/-3.12       |
| Θ (105°)   | -2.98/-2.75   | -2.21/-2.31     | -2.69/-3.23     | -3.41/-3.47     | -3.52/-3.07     | -3.06/-3.17     | -2.26/-0.58     | 0.44/0.39         | -0.84/-2.96       | -2.21/-2.64       | -3.99/-2.78       | -4.86/-5.81       | -4.24/-3.97       | -4.98/-4.92       | -2.59/-2.31       | -2.66/-4.08       | -5.55/-6.98       | -5.60/-4.23       | -3.98/-2.85       | -2.33/-2.98       | -2.90/-2.52       | -1.83/-1.58       | -2.41/-3.19       | -4.31/-3.91       |
| Θ (112.5°) | -5.00/-3.47   | -2.18/-1.64     | -1.63/-2.21     | -2.66/-2.55     | -2.32/-2.46     | -2.82/-2.49     | -1.29/-0.42     | -0.37/-0.98       | -2.74/-3.25       | -1.21/-1.91       | -3.10/-3.70       | -7.15/-7.88       | -4.10/-2.56       | -4.23/-3.55       | -3.85/-4.47       | -6.93/-9.37       | -9.07/-7.21       | -5.13/-5.72       | -7.90/-5.06       | -2.70/-2.49       | -2.94/-3.67       | -3.55/-3.21       | -1.89/-2.21       | -3.69/-5.88       |
| Θ (120°)   | -3.91/-3.50   | -3.16/-3.05     | -2.86/-2.80     | -2.91/-3.01     | -2.89/-2.69     | -2.40/-1.91     | -1.62/-1.57     | -1.51/-1.85       | -2.73/-1.72       | -0.77/-2.67       | -6.35/-5.50       | -5.46/-5.53       | -3.61/-2.30       | -3.88/-8.08       | -9.26/-9.88       | -11.24/-11.26     | -11.66/-8.59      | -4.53/-4.43       | -7.70/-8.25       | -5.35/-3.48       | -2.32/-2.44       | -3.83/-4.70       | -4.19/-3.11       | -2.59/-3.12       |
| Θ (127.5°) | -4.32/-3.03   | -2.18/-2.07     | -2.09/-1.84     | -1.50/-1.29     | -1.24/-1.58     | -2.31/-2.86     | -2.37/-1.35     | -1.07/-2.02       | -3.30/-2.97       | -3.07/-4.47       | -3.62/-1.56       | -0.95/-2.74       | -4.36/-4.56       | -6.60/-10.56      | -11.79/-10.47     | -8.84/-7.69       | -10.50/-10.94     | -6.39/-5.47       | -6.56/-6.14       | -5.53/-5.25       | -4.05/-3.07       | -2.99/-3.32       | -3.94/-4.54       | -4.72/-4.87       |
| Θ (135°)   | -6.02/-6.05   | -5.62/-4.68     | -3.89/-2.82     | -1.89/-1.73     | -2.58/-5.40     | -5.52/-3.77     | -1.97/-1.69     | -2.97/-5.02       | -4.77/-2.64       | -1.18/-1.10       | -1.59/-1.35       | -1.44/-3.13       | -5.78/-7.41       | -8.40/-7.52       | -4.19/-4.74       | -4.19/-4.04       | -5.42/-7.67       | -6.71/-6.79       | -5.88/-4.36       | -3.35/-3.69       | -4.53/-4.88       | -5.11/-6.02       | -4.01/-3.28       | -3.68/-4.29       |
| Θ (142.5°) | -3.82/-3.85   | -3.63/-3.15     | -2.65/-2.84     | -3.68/-4.97     | -6.00/-5.61     | -3.78/-2.31     | -2.23/-3.36     | -4.98/-4.94       | -2.82/-9.03       | -0.18/-0.88       | -2.58/-3.75       | -4.63/-5.52       | -5.49/-4.18       | -2.56/-1.78       | -1.71/-2.29       | -3.67/-3.52       | -4.02/-4.44       | -3.09/-2.37       | -2.51/-3.08       | -4.11/-6.12       | -8.16/-7.26       | -5.60/-4.37       |                   |                   |
| Θ (150°)   | -6.52/-4.71   | -2.96/-1.45     | -0.46/-0.37     | -1.04/-2.02     | -2.44/-2.30     | -2.11/-2.45     | -3.51/-4.46     | -4.30/-3.25       | -1.88/-0.89       | -0.92/-2.37       | -5.60/-8.67       | -7.27/-5.48       | -4.83/-4.91       | -4.95/-4.34       | -3.14/-2.40       | -2.25/-2.95       | -4.35/-5.22       | -5.11/-4.88       | -5.25/-5.65       | -4.72/-3.17       | -2.22/-1.75       | -1.82/-2.68       | -4.63/-7.40       | -9.95/-9.65       |
| Θ (157.5°) | -9.32/-8.99   | -7.18/-6.05     | -3.29/-2.60     | -2.89/-3.55     | -3.84/-4.10     | -4.54/-4.90     | -4.68/-3.82     | -2.86/-2.07       | -1.54/-1.57       | -2.40/-4.56       | -7.83/-9.52       | -7.68/-6.15       | -5.46/-5.70       | -6.23/-6.26       | -5.55/-4.92       | -4.82/-4.50       | -6.09/-5.92       | -5.53/-5.60       | -6.21/-6.90       | -6.40/-4.85       | -3.39/-2.17       | -1.52/-1.44       | -1.91/-3.04       | -4.86/-4.74       |
| Θ (165°)   | -3.72/-4.04   | -4.69/-5.92     | -7.63/-9.14     | -9.53/-8.93     | -8.11/-6.91     | -6.00/-3.43     | -2.56/-2.32     | -2.39/-2.61       | -2.89/-3.17       | -3.92/-5.08       | -5.93/-6.48       | -6.14/-5.80       | -6.05/-7.22       | -8.41/-8.89       | -8.29/-8.16       | -8.92/-9.49       | -9.25/-8.47       | -8.19/-8.45       | -8.09/-7.78       | -7.02/-5.73       | -4.24/-2.99       | -2.17/-1.76       | -1.70/-1.90       | -2.40/-2.93       |
| Θ (172.5°) | -2.23/-2.12   | -2.16/-2.47     | -2.94/-3.24     | -3.16/-2.71     | -2.17/-1.72     | -1.47/-1.56     | -2.00/-2.48     | -3.03/-3.63       | -4.19/-4.51       | -4.64/-4.73       | -4.76/-5.10       | -5.30/-5.92       | -6.71/-7.61       | -8.28/-8.88       | -9.03/-9.96       | -10.85/-10.91     | -10.08/-8.83      | -7.82/-7.12       | -6.67/-6.22       | -5.49/-4.59       | -2.50/-2.28       | -2.21/-2.27       | -2.43/-2.47       |                   |
| Θ (180°)   | -2.83/-2.69   | -2.58/-2.60     | -2.68/-2.72     | -2.52/-2.28     | -2.17/-2.48     | -2.87/-3.60     | -4.14/-4.56     | -5.12/-5.58       | -5.60/-4.98       | -4.37/-4.24       | -4.30/-4.57       | -4.97/-5.44       | -5.99/-6.60       | -6.68/-6.12       | -4.98/-4.22       | -3.68/-3.76       | -3.83/-3.48       | -3.03/-2.69       | -2.61/-2.73       | -2.77/-2.62       | -2.38/-2.17       | -2.13/-2.26       | -2.51/-2.87       | -3.21/-3.32       |
| Freq(Hz)   | 5.2GPol.      | TotalAnt.4      | -               | -               | -               | -               | -               | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| Gain       | Φ(0°)/Φ(7.5°) | Φ(15°)/Φ(22.5°) | Φ(30°)/Φ(37.5°) | Φ(45°)/Φ(52.5°) | Φ(60°)/Φ(67.5°) | Φ(75°)/Φ(82.5°) | Φ(90°)/Φ(97.5°) | Φ(105°)/Φ(112.5°) | Φ(120°)/Φ(127.5°) | Φ(135°)/Φ(142.5°) | Φ(150°)/Φ(157.5°) | Φ(165°)/Φ(172.5°) | Φ(180°)/Φ(187.5°) | Φ(195°)/Φ(202.5°) | Φ(210°)/Φ(217.5°) | Φ(225°)/Φ(232.5°) | Φ(240°)/Φ(247.5°) | Φ(255°)/Φ(262.5°) | Φ(270°)/Φ(277.5°) | Φ(285°)/Φ(292.5°) | Φ(300°)/Φ(307.5°) | Φ(315°)/Φ(322.5°) | Φ(330°)/Φ(337.5°) | Φ(345°)/Φ(352.5°) |
| Θ (0°)     | -0.90/-1.14   | -1.73/-1.00     | -0.87/-1.69     | -1.06/-0.97     | -1.29/-0.02     | -0.60/-0.07     | -0.04/-0.22     | 0.27/0.36         | 0.15/-0.14        | -0.39/-0.38       | -0.29/-0.43       | -0.88/-1.03       | -1.17/-1.14       | -0.83/-1.15       | -1.07/-1.03       | -1.56/-2.01       | -0.83/-1.49       | -1.55/-0.70       | -1.46/-1.12       | -1.19/-1.24       | -1.04/-0.73       | -1.13/-1.13       | -1.05/-1.16       | -1.14/-0.77       |
| Θ (7.5°)   | -0.60/-0.13   | -1.38/-1.03     | -0.23/-0.29     | -0.42/0.11      | -0.14/0.27      | 0.51/0.04       | 0.10/-0.13      | -0.29/0.22        | -0.70/-1.01       | -1.08/-0.78       | -0.46/-0.32       | -0.19/-0.22       | -0.06/0.01        | 0.14/0.37         | 0.83/1.10         | 1.34/1.13         | 1.43/1.80         | 1.75/1.56         | 1.48/1.28         | 1.41/0.88         | 0.47/0.08         | -0.40/-0.53       | -0.52/-0.92       | -1.18/-0.61       |
| Θ (15°)    | -0.30/-1.45   | -1.95/-2.67     | -2.67/-1.77     | -2.35/-2.04     | -0.96/-1.22     | 0.07/0.24       | 0.19/0.58       | 0.31/0.37         | 0.19/-0.06        | 0.20/0.56         | 1.00/1.12         | 1.15/0.93         | 0.88/0.40         | 0.20/0.37         | 1.09/1.40         | 1.56/1.42         | 1.60/0.40         | 0.44/1.47         | 1.53/2.01         | 1.91/1.39         | 0.36/0.28         | 0.27/0.53         | 0.79/0.47         |                   |
| Θ (22.5°)  | -1.07/-1.24   | -1.42/-1.42     | -1.48/-0.98     | -1.17/-2.37     | -2.07/-1.60     | -1.14/-0.17     | -0.83/-1.59     | -1.32/-1.18       | -0.93/-1.25       | -0.95/0.83        | 1.56/2.07         | 1.80/1.38         | 1.31/1.25         | 1.09/0.53         | -1.07/-0.38       | -1.66/-2.67       | -1.54/-0.93       | 1.01/0.98         | -0.61/-1.18       | -0.86/-0.24       | 1.15/0.81         | 0.14/1.03         | 0.63/0.53         | 0.07/-0.82        |
| Θ (30°)    | -0.93/-2.50   | -5.14/-4.16     | -3.03/-1.95     | -1.60/-2.20     | -1.93/-2.76     | -2.13/-0.81     | -0.80/-1.14     | -1.36/-1.11       | -0.49/-0.11       | -0.74/0.01        | 1.25/1.88         | 1.94/1.75         | 1.74/2.21         | 2.35/2.70         | 3.05/2.89         | 2.65/1.51         | 0.18/0.38         | -0.02/0.36        | -1.70/-1.18       | 0.15/-1.13        | -0.85/-0.51       | -1.35/0.10        | 1.53/0.55         | -0.26/-0.10       |
| Θ (37.5°)  | -1.05/-1.95   | -2.85/-3.26     | -2.76/-3.47     | -2.47/-0.43     | -0.81/-1.69     | -1.67/-0.75     | -2.08/-3.04     | -1.61/-0.90       | -1.31/-0.02       | -0.11/-0.96       | 0.36/1.52         | 1.85/2.39         | 2.79/2.49         | 2.61/2.29         | 0.69/0.16         | 2.20/2.75         | 0.74/0.57         | 1.90/1.90         | -0.76/-2.76       | 0.67/0.63         | -1.56/-0.97       | -0.93/-1.46       | 2.04/-0.54        | -0.80/-0.11       |
| Θ (45°)    | 0.44/-1.07    | -3.70/-3.49     | -2.09/-2.55     | -2.00/-0.34     | -0.46/-2.74     | -4.01/-3.85     | -4.07/-6.21     | -4.15/-1.50       | -2.79/-2.89       | -1.68/-2.56       | 0.59/2.03         | 1.26/3.31         | 4.57/4.33         | 4.38/5.16         | 4.68/0.50         | 3.32/3.77         | 1.31/-2.74        | 2.43/-1.05        | 0.42/-0.55        | -1.36/1.00        | 1.04/2.05         | 0.36/-1.42        | -0.32/-0.16       |                   |
| Θ (52.5°)  | 1.19/-1.23    | -5.52/-3.15     | -3.55/-3.37     | -3.06/-3.46     | -3.45/-3.48     | -4.15/-5.06     | -7.23/-5.92     | -6.52/-4.44       | -4.46/-3.18       | -3.14/-1.87       | 1.42/2.10         | 2.69/3.84         | 4.58/4.92         | 5.42/5.41         | <b>5.35/6.72</b>  | 4.88/2.48         | 2.64/0.67         | 0.98/2.73         | 1.25/0.50         | 0.13/-0.14        | -2.72/1.98        | 2.77/2.32         | -3.07/-0.90       | -0.04/-0.52       |
| Θ (60°)    | 1.16/-1.74    | -6.28/-4.37     | -3.88/-2.46     | -2.84/-6.46     | -8.22/-9.67     | -5.51/-5.39     | -4.82/-1.72     | -9.52/-7.59       | -4.41/-2.11       | -1.78/-3.43       | 0.86/1.65         | 1.65/2.30         | 2.70/3.88         | 4.34/4.96         | 4.67/5.54         | 5.35/2.35         | 1.69/0.92         | -0.86/-1.45       | 0.11/0.76         | 0.83/-0.99        | -1.38/-1.30       | 2.18/2.05         | -3.24/-0.42       | -1.25/-0.83       |
| Θ (67.5°)  | 1.51/-2.58    | -7.15/-3.68     | -3.03/-1.83     | -2.20/-2.87     | -5.36/-5.35     | -3.61/-5.06     | -2.50/-0.97     | -7.74/-9.19       | -2.66/-2.76       | -3.06/-3.34       | 0.36/2.32         | 1.39/2.44         | 2.43/2.07         | 3.35/5.25         | 6.29/0.94         | 4.64/9.79         | 4.11/2.49         | 2.11/-0.11        | -6.29/0.54        | 1.26/2.70         | 0.21/0.77         | 0.69/2.24         | -3.31/-0.78       | -0.40/-0.23       |
| Θ (75°)    | 1.53/-2.78    | -7.05/-5.06     | -               |                 |                 |                 |                 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |



# Antenna Pattern\_Radio 3 2.4GHz,5GHz,6GHz for EUT 1

# Appendix I

|           |               |                |                |                |                |                |                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|-----------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Θ(52.5°)  | -1.22/-2.26   | -0.82/-0.12    | 0.30/0.20      | 0.99/1.98      | 2.09/2.64      | 1.59/0.91      | 0.71/1.19      | 1.74/1.80        | 1.48/2.01        | 1.94/0.67        | -0.41/-0.06      | 0.54/-0.08       | 0.19/0.40        | 0.67/1.68        | 2.96/2.03        | 0.17/-0.62       | -1.92/-2.08      | -1.52/-0.40      | -0.65/-0.39      | -1.31/-2.20      | -0.93/0.35       | -0.75/-1.32      | -0.49/-1.01      | 0.31/-0.49       |
| Θ(60°)    | -1.28/-1.21   | 0.12/-0.30     | 0.26/1.06      | 1.63/1.76      | 2.45/2.57      | 2.99/1.22      | -0.13/-1.00    | -0.12/-1.84      | 0.95/1.77        | 0.51/0.67        | -2.09/-0.68      | -1.04/-2.58      | -1.85/-2.67      | -2.15/-1.56      | 0.34/0.24        | -0.79/-3.08      | -4.60/-5.42      | -1.18/-1.04      | -2.61/-1.77      | -1.95/-3.24      | -0.61/-0.05      | -0.61/-0.60      | 0.49/0.63        | 0.13/0.29        |
| Θ(67.5°)  | -1.13/-1.70   | -0.72/-0.58    | 0.72/1.39      | 0.97/1.17      | 1.21/1.50      | 0.63/0.66      | 0.76/0.26      | 0.74/1.19        | -0.23/1.01       | -0.04/-0.00      | -1.80/-3.00      | -4.63/-5.73      | -6.14/-5.05      | -4.31/-3.98      | -1.93/-2.53      | -2.45/-6.20      | -6.88/-7.49      | -4.16/-5.14      | -5.49/-3.49      | -3.06/-1.52      | -1.35/-1.34      | -0.40/-0.47      | 0.32/-0.17       | -0.82/-0.01      |
| Θ(75°)    | -1.65/-2.40   | -0.71/-1.09    | -0.02/0.82     | 0.86/0.97      | 1.36/0.27      | 1.09/-1.24     | -0.89/-0.16    | -0.45/0.92       | -0.42/-0.25      | -0.20/-1.01      | -1.90/-3.02      | -6.12/-6.41      | -13.84/-10.45    | -5.93/-6.86      | -5.04/-5.26      | -5.05/-7.43      | -6.63/-5.28      | -3.92/-7.48      | -3.73/-1.34      | -0.85/-1.78      | -2.19/-1.82      | -1.47/-0.01      | 0.00/-0.27       | -1.23/0.30       |
| Θ(82.5°)  | -2.84/-2.16   | -0.86/-1.05    | -0.37/0.21     | 0.27/1.05      | 1.26/0.48      | 0.54/-1.44     | -1.79/-0.76    | -1.21/-1.15      | -0.79/-1.70      | -1.11/-2.14      | -2.76/-2.84      | -5.94/-6.10      | -9.93/-8.87      | -7.99/-6.28      | -8.58/-6.98      | -6.79/-6.70      | -4.75/-6.80      | -3.88/-3.88      | -0.87/0.54       | 0.25/-2.99       | -2.14/-2.21      | -1.63/-0.92      | -0.50/-0.49      | -1.52/-0.01      |
| Θ(90°)    | -3.38/-2.53   | -1.53/-1.21    | -1.24/-0.82    | -0.25/0.59     | 0.46/0.30      | -0.78/-1.64    | -1.57/-1.72    | -2.29/-2.46      | -2.63/-2.67      | -2.85/-2.05      | -3.16/-3.89      | -4.19/-5.24      | -9.19/-7.35      | -12.80/-7.31     | -9.77/-9.35      | -9.20/-8.76      | -4.73/-12.63     | -5.81/-2.69      | -1.16/-1.37      | -2.11/-3.50      | -2.93/-2.54      | -3.41/-1.75      | -2.12/-1.33      | -1.63/-1.49      |
| Θ(97.5°)  | -4.26/-2.56   | -1.80/-2.06    | -2.81/-2.44    | -1.19/-0.49    | 0.14/-1.21     | -1.48/-1.15    | -1.43/-1.04    | -4.60/-3.28      | -5.11/-3.38      | -3.70/-3.57      | -3.35/-4.61      | -5.06/-5.62      | -10.63/-9.19     | -14.16/-9.75     | -6.94/-11.70     | -14.09/-9.60     | -13.68/-10.72    | -11.04/-4.80     | -3.86/-4.77      | -7.16/-5.88      | -2.71/-3.53      | -3.39/-2.78      | -2.73/-1.97      | -2.43/-2.37      |
| Θ(105°)   | -4.98/-3.47   | -2.65/-2.96    | -3.43/-3.92    | -2.87/-0.87    | -2.01/-2.03    | -1.09/-1.12    | -2.95/-3.73    | -6.66/-4.53      | -6.52/-5.31      | -4.97/-5.16      | -4.18/-4.77      | -6.46/-7.31      | -9.79/-6.33      | -6.64/-13.31     | -9.95/-14.75     | -10.59/-8.27     | -13.77/-11.03    | -8.36/-8.26      | -5.40/-6.76      | -7.24/-6.81      | -5.63/-5.76      | -3.49/-3.22      | -3.18/-3.31      | -2.76/-2.56      |
| Θ(112.5°) | -3.59/-3.34   | -4.33/-4.79    | -5.67/-4.84    | -3.96/-2.82    | -2.49/-3.34    | -1.37/-0.67    | -2.87/-3.59    | -6.29/-8.61      | -6.97/-7.63      | -5.75/-5.01      | -8.12/-5.47      | -7.14/-12.09     | -9.38/-10.93     | -13.34/-12.09    | -14.20/-10.42    | -9.61/-12.07     | -9.04/-9.18      | -8.18/-10.14     | -6.17/-7.97      | -10.66/-6.78     | -4.05/-9.68      | -4.80/-4.23      | -4.23/-3.11      | -2.93/-2.14      |
| Θ(120°)   | -4.42/-8.36   | -6.66/-6.85    | -5.99/-4.01    | -2.92/-3.38    | -3.45/-3.15    | -1.71/-2.34    | -4.32/-5.04    | -7.73/-8.29      | -7.43/-7.24      | -8.14/-6.39      | -7.69/-9.96      | -8.65/-10.40     | -13.24/-11.67    | -15.61/-14.30    | -13.03/-13.30    | -13.83/-15.08    | -14.85/-6.77     | -15.63/-14.15    | -10.23/-7.32     | -11.33/-8.85     | -6.90/-6.00      | -6.93/-5.21      | -4.97/-4.19      | -3.86/-3.47      |
| Θ(127.5°) | -7.82/-7.22   | -8.75/-7.56    | -5.90/-3.87    | -4.69/-6.08    | -6.29/-5.27    | -2.73/-3.02    | -4.25/-6.83    | -5.54/-6.54      | -8.05/-6.45      | -11.20/-9.24     | -8.79/-9.60      | -9.97/-8.01      | -14.59/-15.18    | -14.59/-14.36    | -12.76/-9.77     | -7.13/-15.22     | -14.27/-10.73    | -15.27/-15.28    | -15.17/-9.96     | -10.59/-9.30     | -7.54/-5.52      | -7.11/-5.81      | -6.62/-5.68      | -5.92/-7.35      |
| Θ(135°)   | -7.35/-8.21   | -7.43/-7.04    | -6.57/-6.59    | -7.66/-6.82    | -6.61/-6.36    | -5.42/-5.05    | -6.49/-8.33    | -7.34/-6.58      | -11.55/-9.58     | -9.87/-12.39     | -9.70/-10.60     | -10.26/-12.36    | -10.87/-10.24    | -8.86/-11.75     | -10.76/-7.84     | -14.94/-13.72    | -15.81/-15.34    | -13.69/-12.25    | -12.85/-9.47     | -6.89/-9.32      | -5.31/-4.82      | -7.34/-6.64      | -6.66/-6.17      |                  |
| Θ(142.5°) | -7.35/-5.00   | -6.22/-6.62    | -7.74/-9.57    | -7.55/-7.51    | -6.00/-4.41    | -5.05/-5.42    | -7.36/-8.00    | -7.14/-5.79      | -7.04/-12.65     | -7.94/-8.09      | -10.48/-10.48    | -10.97/-11.21    | -8.59/-9.58      | -11.00/-12.80    | -13.98/-14.67    | -13.22/-15.00    | -14.56/-12.74    | -10.90/-7.97     | -9.08/-8.60      | -8.78/-15.44     | -10.35/-6.86     | -6.43/-6.24      | -5.54/-7.07      | -5.65/-7.74      |
| Θ(150°)   | -9.21/-8.44   | -8.06/-6.46    | -10.36/-9.24   | -9.74/-8.01    | -6.75/-5.97    | -5.79/-6.08    | -6.98/-7.25    | -9.18/-9.99      | -6.78/-6.11      | -10.54/-9.61     | -5.97/-5.03      | -5.87/-8.95      | -12.20/-11.67    | -14.21/-12.68    | -15.46/-15.54    | -12.27/-14.30    | -11.25/-7.36     | -8.20/-6.52      | -7.62/-12.16     | -10.67/-10.39    | -10.78/-9.28     | -8.38/-7.41      | -8.88/-9.68      |                  |
| Θ(157.5°) | -10.21/-10.80 | -11.59/-10.61  | -9.11/-8.69    | -8.37/-7.44    | -6.85/-6.37    | -7.15/-7.17    | -8.64/-6.97    | -6.31/-6.44      | -7.65/-8.67      | -5.95/-5.14      | -5.23/-7.80      | -11.45/-13.65    | -11.03/-10.29    | -11.25/-10.45    | -13.16/-15.02    | -15.04/-13.80    | -12.49/-10.11    | -10.61/-10.74    | -8.48/-6.71      | -6.68/-8.34      | -11.77/-10.58    | -9.51/-9.68      | -10.50/-11.68    |                  |
| Θ(165°)   | -8.34/-9.50   | -8.63/-8.15    | -7.31/-6.85    | -7.07/-7.06    | -6.60/-7.10    | -7.18/-7.41    | -6.61/-7.81    | -8.62/-7.44      | -5.88/-6.12      | -6.14/-8.01      | -10.04/-13.23    | -13.63/-11.62    | -9.68/-9.49      | -10.63/-10.49    | -11.04/-12.31    | -11.85/-12.68    | -11.26/-10.85    | -12.04/-13.15    | -12.06/-9.92     | -9.69/-9.79      | -8.77/-8.65      | -10.28/-11.16    | -9.66/-9.10      | -6.79/-7.22      |
| Θ(172.5°) | -6.63/-6.48   | -7.61/-8.24    | -7.98/-9.66    | -9.68/-8.95    | -9.16/-9.38    | -9.36/-7.44    | -8.47/-8.11    | -7.28/-6.50      | -6.50/-7.89      | -10.54/-13.67    | -11.20/-9.00     | -9.33/-11.37     | -12.72/-13.31    | -11.63/-10.61    | -9.89/-8.47      | -9.34/-9.43      | -10.82/-12.26    | -13.02/-11.46    | -11.60/-11.10    | -10.19/-8.81     | -8.21/-7.95      | -8.60/-8.66      | -7.99/-8.99      | -8.85/-7.22      |
| Θ(180°)   | -7.70/-7.56   | -7.81/-7.49    | -8.06/-8.40    | -7.94/-6.68    | -7.54/-8.33    | -8.98/-8.63    | -8.52/-7.87    | -7.02/-8.51      | -11.49/-12.62    | -11.93/-11.73    | -11.06/-13.54    | -13.61/-9.64     | -7.82/-6.68      | -5.60/-6.32      | -8.44/-8.60      | -8.71/-8.18      | -7.63/-7.79      | -7.43/-7.09      | -6.60/-6.31      | -6.32/-6.54      | -7.17/-7.22      | -6.72/-7.43      | -7.05/-7.59      |                  |
| Freq(Hz)  | 6.895GPol.    | TotalAnt.4     | -              | -              | -              | -              | -              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                |
| Gain      | Φ(0°)Φ(7.5°)  | Φ(15°)Φ(22.5°) | Φ(30°)Φ(37.5°) | Φ(45°)Φ(52.5°) | Φ(60°)Φ(67.5°) | Φ(75°)Φ(82.5°) | Φ(90°)Φ(97.5°) | Φ(105°)Φ(112.5°) | Φ(120°)Φ(127.5°) | Φ(135°)Φ(142.5°) | Φ(150°)Φ(157.5°) | Φ(165°)Φ(172.5°) | Φ(180°)Φ(187.5°) | Φ(195°)Φ(202.5°) | Φ(210°)Φ(217.5°) | Φ(225°)Φ(232.5°) | Φ(240°)Φ(247.5°) | Φ(255°)Φ(262.5°) | Φ(270°)Φ(277.5°) | Φ(285°)Φ(292.5°) | Φ(300°)Φ(307.5°) | Φ(315°)Φ(322.5°) | Φ(330°)Φ(337.5°) | Φ(345°)Φ(352.5°) |
| Θ(0°)     | 5.11/5.11     | 5.45/5.27      | 5.25/5.35      | 5.46/5.40      | 5.31/5.73      | 5.82/5.01      | 5.48/5.31      | 5.37/5.45        | 5.28/5.17        | 5.02/4.99        | 4.76/4.83        | 5.14/5.05        | 4.85/4.79        | 5.21/5.27        | 5.14/5.24        | 4.92/5.08        | 4.83/5.30        | 5.14/5.24        | 5.43/5.46        | 5.34/5.31        | 5.31/5.30        | 5.37/5.53        | 5.49/5.40        | 5.23/5.26        |
| Θ(7.5°)   | 5.22/5.13     | 5.18/5.59      | 5.41/5.34      | 5.49/5.41      | 5.39/5.35      | 5.69/5.47      | 5.39/5.73      | 5.37/5.51        | 5.67/5.68        | 5.50/5.42        | 5.35/5.45        | 5.45/5.45        | 5.59/5.46        | 5.59/5.30        | 5.24/5.58        | 5.41/5.21        | 5.04/4.99        | 5.24/4.82        | 4.75/4.79        | 4.92/4.81        | 4.53/4.64        | 4.74/4.93        | 5.04/5.02        | 5.08/5.14        |
| Θ(15°)    | 4.35/4.47     | 4.29/4.34      | 4.49/4.26      | 4.35/4.90      | 4.75/5.06      | 5.05/5.41      | 5.24/5.56      | 5.75/5.30        | 5.06/4.98        | 4.95/4.87        | 4.87/4.78        | 4.83/4.58        | 4.37/4.59        | 5.13/5.31        | 5.29/5.11        | 4.99/4.85        | 4.45/4.52        | 4.42/4.22        | 4.32/4.14        | 4.15/4.08        | 4.16/4.24        | 4.11/3.94        | 3.90/4.09        | 4.24/3.99        |
| Θ(22.5°)  | 3.37/3.44     | 3.37/3.09      | 3.47/4.13      | 3.83/4.26      | 4.25/3.93      | 4.18/3.93      | 4.32/4.51      | 5.31/4.99        | 4.98/4.97        | 4.58/4.28        | 4.34/4.47        | 4.37/4.06        | 4.38/4.39        | 4.22/3.74        | 3.73/3.76        | 3.77/3.46        | 4.37/3.20        | 2.81/2.94        | 2.97/3.16        | 3.30/3.20        | 3.00/3.10        | 3.16/3.54        | 3.60/3.61        |                  |
| Θ(30°)    | 1.90/1.48     | 1.46/2.01      | 2.38/2.27      | 2.40/2.85      | 3.44/3.47      | 3.56/3.60      | 3.16/3.25      | 3.84/3.69        | 3.39/3.05        | 3.42/3.72        | 3.53/3.67        | 3.18/2.47        | 3.20/3.37        | 3.23/3.98        | 2.87/3.15        | 2.11/1.92        | 2.23/2.43        | 2.05/1.99        | 2.13/2.21        | 1.71/1.76        | 1.86/2.61        | 2.14/2.53        | 2.55/2.54        |                  |
| Θ(37.5°)  | 0.75/-0.22    | -0.38/0.34     | 0.57/0.23      | 0.52/1.72      | 2.42/3.14      | 2.88/3.29      | 2.48/2.39      | 3.34/3.50        | 2.44/1.34        | 1.68/2.58        | 2.17/1.96        | 1.65/1.60        | 1.57/1.85        | 2.00/2.34        | 2.08/2.24        | 1.76/1.64        | 1.73/0.61        | 0.50/-0.24       | -0.36/0.31       | 1.06/1.33        | 1.08/1.31        | 1.63/1.41        | 1.01/1.20        | 1.37/1.61        |
| Θ(45°)    | -0.08/0.04    | 0.47/0.20      | 0.12/0.60      | 1.15/1.15      | 2.54/2.66      | 2.40/2.00      | 1.53/1.23      | 1.55/2.33        | 1.25/1.21        | 0.03/0.29        | 0.28/0.08        | -0.74/0.28       | 0.14/-0.21       | -0.01/-0.39      | 0.62/1.17        | 0.91/0.83        | 0.78/-0.79       | -0.81/-1.84      | -3.62/-2.10      | -1.48/-0.33      | 0.02/0.78        | -0.14/0.06       | 0.78/0.12        | 0.58/1.12        |
| Θ(52.5°)  | -0.74/-0.35   | -0.74/-0.17    | 0.41/0.90      | 0.77/1.41      | 2.14/2.64      | 1.48/1.59      | 0.60/0.38      | 0.75/0.57        | 1.12/-0.92       | 0.54/-1.26       | -3.24/-0.09      | -1.16/-2.98      | -2.73/-3.17      | -12.96/-10.56    | -1.29/-0.62      | -1.05/-1.27      | -1.65/-1.70      | -2.54/-0.95      | -0.65/-0.09      | -0.88/-0.66      | 0.61/0.46        | -0.00/0.39       | 1.22/-0.78       | 0.69/0.96        |
| Θ(60°)    | -1.69/-1.13   | -0.74/0.16     | 0.65/0.58      | 1.42/1.93      | 1.44/1.85      | 0.69/0.75      | 2.02/0.70      | -0.23/0.11       | -0.71/0.64       | -0.98/-1.36      | -2.92/-3.02      | -2.90/-5.04      | -5.59/-1.70      | -4.79/-4.96      | -3.64/-3.13      | -4.36/-3.53      | -4.53/-3.59      | -1.59/-1.49      | -2.36/-2.20      | -1.25/-1.07      | -0.29/0.86       | 0.62/0.43        | 0.21/0.02        | 0.74/0.35        |
| Θ(67.5°)  | -1.60/-0.97   | -0.51/-0.14    | 0.23/0.94      | 0.86/1.96      | 1.54/1.75      | 0.66/0.84      | -0.33/0.83     | -0.58/-0.81      | -0.17/-0.26      | -0.91/-1.57      | -3.94/-3.88      | -5.15/-10.19     | -10.38/-12.76    | -8.01/-7.89      | -6.71/-9.61      | -6.88/-12.04     | -6.95/-5.94      | -4.13/-4.53      | -5.81/-4.23      | -2.25/-0.84      | -0.90/0.42       | 0.47/0.11        | -0.00/0.80       | 0.03/0.14        |
| Θ(75°)    | -2.34/-0.93   | -0.64/0.09     | 0.96/0.95      | 0.80/1.50      | 1.70/1.21      | -0.63/-1.21    | -0.61/-0.49    | -0.18/-3.52      | -0.52/-0.50      | -1.37/-4.45      | -3.58/-3.30      | -4.43/-8.49      | -11.21/-12.27    | -12.96/-10.56    | -10.99/-14.38    | -15.88/-11.99    | -9.07/-7.49      | -12.91/-6.59     | -3.60/-3.15      | -7.01/-4.01      | -0.37/-0.24      | -0.38/0.63       | -0.12/-0.19      |                  |
| Θ(82.5°)  | -2.36/-1.42   | 0.24/0.05      | 1.07/1.33      | 1.16/0.72      | 1.64/-0.39     | -1.01/-1.50    | 0.48/-0.52     | -1.41/-3.12      | -1.80/-1.59      | -0.93/-2.39      | -2.37/-4.17      | -5.30/-9.10      | -10.15/-5.94     | -4.57/-5.22      | -15.00/-8.64     | -9.99/-8.99      | -3.67/-4.03      | -3.63/-6.64      | -1.31/0.86       | 0.30/-1.52       | -0.89/-0.67      | -1.35/-0.57      | -0.68/0.16       | -0.60/-1.33      |
| Θ(90°)    | -3.43/-2.32   | -0.34/0.25     | 1.04/0.69      | 0.51/0.05      | 0.87/-1.81     | -1.96/-1.06    | -0.98/-1.28    | -2.15/-4.68      | -3.89/-1.37      | -1.49/-2.72      | -2.91/-3.13      | -3.59/-7.37      | -11.26/-10.27    | -6.93/-6.92      | -12.18/-14.45    | -12.94/-9.80     | -4.32/-0.87      | -6.11/-6.35      | -0.47/0.07       | -2.28/-2.63      | -2.32/-1.69      | -2.21/-2.11      | -1.37/-0.89      | -1.41/-2.75      |
| Θ(97.5°)  | -3.33/-2.84   | -0.92/-0.58    | -0.13/-0.82    | -0.55/-1.28    | 0.22/-2.63     | -1.22/-1.63    | -2.88/-2.54    | -4.74/-6.30      | -3.94/-4.22      | -1.37/-4.45      | -3.58/-3.30      | -4.43/-8.49      | -11.21/-12.27    | -12.96/-10.56    | -10.99/-14.38    | -15.88/-11.99    | -9.07/-7.49      | -12.91/-6.59     | -3.60/-3.15      | -7.01/-4.01      | -0.37/-0.24      | -0.38/0.63       | -0.12/-0.19      |                  |
| Θ(105°)   | -3.61/-3.54   | -2.18/-2.55    | -1.18/-1.65    | -1.81/-1.47    | -1.29/-3.27    | -3.00/-1.96    | -1.79/-3.20    | -5.90/-10.02     | -6.79/-5.62      | -3.27/-4.28      | -5.55/-4.57      | -5.44/-6.93      | -7.14/-8.58      | -6.82/-8.58      | -12.35/-11.46    | -9.24/-9.93      | -8.69/-9.68      | -7.72/-          |                  |                  |                  |                  |                  |                  |