

|                    |         | CH 62   | 5310            |                  | 9.50         | 7.35                |
|--------------------|---------|---------|-----------------|------------------|--------------|---------------------|
|                    |         | CH 102  | 5510            |                  | 9.50         | 7.64                |
|                    |         | CH 110  | 5550            |                  | 14.50        | 13.40               |
|                    |         | CH 118  | 5590            |                  | 14.50        | 13.61               |
|                    |         | CH 126  | 5630            |                  | 14.50        | 13.36               |
|                    |         | CH 134  | 5670            |                  | 9.50         | 7.48                |
|                    |         | CH 151  | 5755            |                  | 10.50        | 8.57                |
|                    |         | CH 159  | 5795            |                  | 10.50        | 9.83                |
|                    | Ant2    | CH 38   | 5190            |                  | 9.50         | 6.52                |
|                    |         | CH 46   | 5230            |                  | 14.50        | 12.74               |
|                    |         | CH 54   | 5270            |                  | 14.50        | 12.95               |
|                    |         | CH 62   | 5310            |                  | 9.50         | 6.89                |
|                    |         | CH 102  | 5510            |                  | 9.50         | 8.06                |
|                    |         | CH 110  | 5550            |                  | 14.50        | 12.09               |
|                    |         | CH 118  | 5590            |                  | 14.50        | 11.52               |
|                    |         | CH 126  | 5630            |                  | 14.50        | 11.69               |
|                    |         | CH 134  | 5670            |                  | 9.50         | 7.16                |
|                    |         | CH 151  | 5755            |                  | 9.50         | 7.89                |
|                    |         | CH 159  | 5795            |                  | 9.50         | 6.97                |
|                    |         | Mode    | Antenna         |                  | Channel      | Frequency (MHz)     |
| 802.11ac SISO 80M  | Ant1    | CH 42   | 5210            | MCS0             | 9.50         | 6.66                |
|                    |         | CH 58   | 5290            |                  | 9.50         | 6.95                |
|                    |         | CH 106  | 5530            |                  | 9.50         | 8.06                |
|                    |         | CH 122  | 5610            |                  | 9.50         | 8.57                |
|                    |         | CH 155  | 5775            |                  | 9.00         | 7.46                |
|                    | Ant2    | CH 42   | 5210            |                  | 9.50         | 6.53                |
|                    |         | CH 58   | 5290            |                  | 9.50         | 6.79                |
|                    |         | CH 106  | 5530            |                  | 9.50         | 7.09                |
|                    |         | CH 122  | 5610            |                  | 9.50         | 6.71                |
|                    |         | CH 155  | 5775            |                  | 8.00         | 5.45                |
| Mode               | Antenna | Channel | Frequency (MHz) | Data Rate (Mbps) | Tune-up Max. | Average Power (dBm) |
| 802.11ac SISO 160M | Ant1    | CH 50   | 5250            | MCS0             | 9.00         | 7.22                |
|                    |         | CH 114  | 5570            |                  | 9.00         | 7.31                |
|                    | Ant2    | CH 50   | 5250            |                  | 8.00         | 6.75                |
|                    |         | CH 114  | 5570            |                  | 8.00         | 6.68                |

Table 145: Conducted power measurement results of WiFi 5G SISO (MCC of CE countries,Receiver ON)

| Mode           | Antenna | Channel | Frequency (MHz) | Data Rate (Mbps) | Tune-up      | Average Power (dBm) |
|----------------|---------|---------|-----------------|------------------|--------------|---------------------|
|                |         |         |                 |                  | Max.         |                     |
| 802.11a<br>CDD | Ant1    | CH 36   | 5180            | 6.5Mbps          | 11.50        | 9.92                |
|                |         | CH 40   | 5200            |                  | 14.50        | <b>13.77</b>        |
|                |         | CH 52   | 5260            |                  | 14.50        | <b>13.45</b>        |
|                |         | CH 60   | 5300            |                  | 14.50        | <b>13.27</b>        |
|                |         | CH 64   | 5320            |                  | 11.50        | 10.36               |
|                |         | CH 100  | 5500            |                  | 11.50        | 9.75                |
|                |         | CH 104  | 5520            |                  | 14.50        | <b>13.19</b>        |
|                |         | CH 120  | 5600            |                  | 14.50        | <b>13.48</b>        |
|                |         | CH 124  | 5620            |                  | 14.50        | <b>13.47</b>        |
|                |         | CH 128  | 5640            |                  | 14.50        | <b>13.45</b>        |
|                |         | CH 132  | 5660            |                  | 14.50        | <b>13.42</b>        |
|                |         | CH 136  | 5680            |                  | 14.50        | <b>13.68</b>        |
|                |         | CH 140  | 5700            |                  | 11.00        | 10.22               |
|                |         | CH 149  | 5745            |                  | 11.00        | <b>9.68</b>         |
|                |         | CH 157  | 5785            |                  | 11.00        | <b>9.91</b>         |
|                | CH 165  | 5825    | 11.00           |                  | <b>10.05</b> |                     |
|                | Ant2    | CH 36   | 5180            |                  | 11.50        | 10.06               |
|                |         | CH 40   | 5200            |                  | 14.50        | <b>13.40</b>        |
|                |         | CH 52   | 5260            |                  | 14.50        | <b>13.41</b>        |
|                |         | CH 60   | 5300            |                  | 14.50        | <b>13.47</b>        |
|                |         | CH 64   | 5320            |                  | 11.50        | 9.83                |
|                |         | CH 100  | 5500            |                  | 11.50        | 10.08               |
|                |         | CH 104  | 5520            |                  | 14.50        | <b>13.79</b>        |
|                |         | CH 120  | 5600            |                  | 14.50        | <b>13.74</b>        |
|                |         | CH 124  | 5620            |                  | 14.50        | <b>13.67</b>        |
|                |         | CH 128  | 5640            |                  | 14.50        | <b>13.52</b>        |
|                |         | CH 132  | 5660            |                  | 14.50        | <b>13.41</b>        |
|                |         | CH 136  | 5680            |                  | 14.50        | <b>13.58</b>        |
|                |         | CH 140  | 5700            |                  | 11.00        | 9.53                |
|                |         | CH 149  | 5745            |                  | 10.00        | <b>8.94</b>         |
|                |         | CH 157  | 5785            |                  | 10.00        | <b>9.18</b>         |
|                | CH 165  | 5825    | 10.00           |                  | <b>9.26</b>  |                     |
|                | Sum     | CH 36   | 5180            |                  | 14.50        | 12.01               |
| CH 40          |         | 5200    | 17.50           | 16.84            |              |                     |
| CH 52          |         | 5260    | 17.50           | 16.71            |              |                     |
| CH 60          |         | 5300    | 17.50           | 16.83            |              |                     |
| CH 64          |         | 5320    | 14.50           | 12.47            |              |                     |
| CH 100         |         | 5500    | 14.50           | 12.87            |              |                     |
| CH 104         |         | 5520    | 17.50           | 16.72            |              |                     |

| Mode                   | Antenna | Channel | Frequency (MHz) | Data Rate (Mbps) | Tune-up | Average Power (dBm) |
|------------------------|---------|---------|-----------------|------------------|---------|---------------------|
|                        |         |         |                 |                  | Max.    |                     |
| 802.11n<br>MIMO<br>20M | Ant1    | CH 120  | 5600            | MCS0             | 17.50   | 16.93               |
|                        |         | CH 124  | 5620            |                  | 17.50   | 16.58               |
|                        |         | CH 128  | 5640            |                  | 17.50   | 16.50               |
|                        |         | CH 132  | 5660            |                  | 17.50   | 16.43               |
|                        |         | CH 136  | 5680            |                  | 17.50   | 16.53               |
|                        |         | CH 140  | 5700            |                  | 14.00   | 12.07               |
|                        |         | CH 149  | 5745            |                  | 13.50   | 12.02               |
|                        |         | CH 157  | 5785            |                  | 13.50   | 12.19               |
|                        |         | CH 165  | 5825            |                  | 13.50   | 12.33               |
|                        | Ant2    | CH 36   | 5180            | MCS0             | 11.50   | 9.25                |
|                        |         | CH 40   | 5200            |                  | 14.50   | 12.96               |
|                        |         | CH 52   | 5260            |                  | 14.50   | 13.11               |
|                        |         | CH 60   | 5300            |                  | 14.50   | 12.84               |
|                        |         | CH 64   | 5320            |                  | 11.50   | 9.34                |
|                        |         | CH 100  | 5500            |                  | 11.50   | 9.28                |
|                        |         | CH 104  | 5520            |                  | 14.50   | 12.80               |
|                        |         | CH 120  | 5600            |                  | 14.50   | 12.73               |
|                        |         | CH 124  | 5620            |                  | 14.50   | 12.76               |
|                        |         | CH 128  | 5640            |                  | 14.50   | 12.58               |
|                        |         | CH 132  | 5660            |                  | 14.50   | 12.87               |
|                        |         | CH 136  | 5680            |                  | 14.50   | 12.60               |
|                        |         | CH 140  | 5700            |                  | 11.00   | 9.30                |
|                        |         | CH 149  | 5745            |                  | 10.00   | 8.67                |
|                        |         | CH 157  | 5785            |                  | 10.00   | 8.73                |
|                        |         | CH 165  | 5825            |                  | 10.00   | 8.84                |
|                        |         | CH 36   | 5180            |                  | MCS0    | 11.50               |
| CH 40                  | 5200    | 14.00   | 12.88           |                  |         |                     |
| CH 52                  | 5260    | 14.00   | 12.99           |                  |         |                     |
| CH 60                  | 5300    | 14.00   | 13.06           |                  |         |                     |
| CH 64                  | 5320    | 11.50   | 9.23            |                  |         |                     |
| CH 100                 | 5500    | 11.50   | 9.67            |                  |         |                     |
| CH 104                 | 5520    | 14.00   | 13.25           |                  |         |                     |
| CH 120                 | 5600    | 14.00   | 13.29           |                  |         |                     |
| CH 124                 | 5620    | 14.00   | 13.32           |                  |         |                     |
| CH 128                 | 5640    | 14.00   | 13.35           |                  |         |                     |
| CH 132                 | 5660    | 14.00   | 13.27           |                  |         |                     |
| CH 136                 | 5680    | 14.00   | 12.64           |                  |         |                     |
| CH 140                 | 5700    | 11.00   | 9.31            |                  |         |                     |
| CH 149                 | 5745    | 9.00    | 7.66            |                  |         |                     |
| CH 157                 | 5785    | 9.00    | 7.80            |                  |         |                     |

|                        |         | CH 165  | 5825            |                  | 9.00         | 7.92                |
|------------------------|---------|---------|-----------------|------------------|--------------|---------------------|
|                        | Sum     | CH 36   | 5180            |                  | 14.50        | 12.32               |
|                        |         | CH 40   | 5200            |                  | 17.30        | 15.93               |
|                        |         | CH 52   | 5260            |                  | 17.30        | 16.06               |
|                        |         | CH 60   | 5300            |                  | 17.30        | 15.96               |
|                        |         | CH 64   | 5320            |                  | 14.50        | 12.30               |
|                        |         | CH 100  | 5500            |                  | 14.50        | 12.49               |
|                        |         | CH 104  | 5520            |                  | 17.30        | 16.04               |
|                        |         | CH 120  | 5600            |                  | 17.30        | 16.03               |
|                        |         | CH 124  | 5620            |                  | 17.30        | 16.06               |
|                        |         | CH 128  | 5640            |                  | 17.30        | 15.99               |
|                        |         | CH 132  | 5660            |                  | 17.30        | 16.08               |
|                        |         | CH 136  | 5680            |                  | 17.30        | 15.63               |
|                        |         | CH 140  | 5700            |                  | 14.00        | 12.32               |
|                        |         | CH 149  | 5745            |                  | 12.50        | 11.20               |
|                        |         | CH 157  | 5785            |                  | 12.50        | 11.30               |
|                        |         | CH 165  | 5825            |                  | 12.50        | 11.41               |
| Mode                   | Antenna | Channel | Frequency (MHz) | Data Rate (Mbps) | Tune-up Max. | Average Power (dBm) |
| 802.11n<br>MIMO<br>40M | Ant1    | CH 38   | 5190            | MCS0             | 9.50         | 6.62                |
|                        |         | CH 46   | 5230            |                  | 15.50        | 12.52               |
|                        |         | CH 54   | 5270            |                  | 15.50        | 12.52               |
|                        |         | CH 62   | 5310            |                  | 9.50         | 7.85                |
|                        |         | CH 102  | 5510            |                  | 9.50         | 7.49                |
|                        |         | CH 110  | 5550            |                  | 15.50        | 13.41               |
|                        |         | CH 118  | 5590            |                  | 15.50        | 13.64               |
|                        |         | CH 126  | 5630            |                  | 15.50        | 13.34               |
|                        |         | CH 134  | 5670            |                  | 9.50         | 7.46                |
|                        |         | CH 151  | 5755            |                  | 10.50        | 8.49                |
|                        |         | CH 159  | 5795            |                  | 10.50        | 9.74                |
|                        | Ant2    | CH 38   | 5190            |                  | 9.50         | 6.52                |
|                        |         | CH 46   | 5230            |                  | 14.50        | 12.91               |
|                        |         | CH 54   | 5270            |                  | 14.50        | 12.99               |
|                        |         | CH 62   | 5310            |                  | 9.50         | 7.02                |
|                        |         | CH 102  | 5510            |                  | 9.50         | 7.69                |
|                        |         | CH 110  | 5550            |                  | 14.50        | 12.28               |
|                        |         | CH 118  | 5590            |                  | 14.50        | 11.52               |
|                        |         | CH 126  | 5630            |                  | 14.50        | 11.52               |
|                        |         | CH 134  | 5670            |                  | 9.50         | 6.84                |
|                        |         | CH 151  | 5755            |                  | 9.50         | 7.85                |
|                        |         | CH 159  | 5795            |                  | 9.50         | 7.05                |
|                        | Sum     | CH 38   | 5190            |                  | 12.50        | 9.58                |
|                        |         | CH 46   | 5230            |                  | 17.50        | 15.73               |
| CH 54                  |         | 5270    | 17.50           | 15.77            |              |                     |
| CH 62                  |         | 5310    | 12.50           | 10.47            |              |                     |

| Mode                    | Antenna | Channel | Frequency (MHz) | Data Rate (Mbps) | Tune-up | Average Power (dBm) |
|-------------------------|---------|---------|-----------------|------------------|---------|---------------------|
|                         |         |         |                 |                  | Max.    |                     |
|                         |         | CH 102  | 5510            |                  | 12.50   | 10.60               |
|                         |         | CH 110  | 5550            |                  | 17.50   | 15.89               |
|                         |         | CH 118  | 5590            |                  | 17.50   | 15.72               |
|                         |         | CH 126  | 5630            |                  | 17.50   | 15.53               |
|                         |         | CH 134  | 5670            |                  | 12.50   | 10.17               |
|                         |         | CH 151  | 5755            |                  | 13.00   | 11.19               |
|                         |         | CH 159  | 5795            |                  | 13.00   | 11.61               |
| 802.11ac<br>MIMO<br>20M | Ant1    | CH 36   | 5180            | MCS0             | 11.50   | 9.20                |
|                         |         | CH 40   | 5200            |                  | 14.50   | 13.02               |
|                         |         | CH 52   | 5260            |                  | 14.50   | 12.97               |
|                         |         | CH 60   | 5300            |                  | 14.50   | 13.04               |
|                         |         | CH 64   | 5320            |                  | 11.50   | 9.82                |
|                         |         | CH 100  | 5500            |                  | 11.50   | 9.36                |
|                         |         | CH 104  | 5520            |                  | 14.50   | 13.42               |
|                         |         | CH 120  | 5600            |                  | 14.50   | 13.00               |
|                         |         | CH 124  | 5620            |                  | 14.50   | 13.21               |
|                         |         | CH 128  | 5640            |                  | 14.50   | 12.87               |
|                         |         | CH 132  | 5660            |                  | 14.50   | 12.87               |
|                         |         | CH 136  | 5680            |                  | 14.50   | 12.85               |
|                         |         | CH 140  | 5700            |                  | 11.00   | 9.25                |
|                         |         | CH 149  | 5745            |                  | 10.00   | 8.15                |
|                         |         | CH 157  | 5785            |                  | 10.00   | 8.28                |
|                         | CH 165  | 5825    | 10.00           |                  | 8.58    |                     |
|                         | Ant2    | CH 36   | 5180            |                  | 11.50   | 9.58                |
|                         |         | CH 40   | 5200            |                  | 14.00   | 12.67               |
|                         |         | CH 52   | 5260            |                  | 14.00   | 12.57               |
|                         |         | CH 60   | 5300            |                  | 14.00   | 12.67               |
|                         |         | CH 64   | 5320            |                  | 11.50   | 9.86                |
|                         |         | CH 100  | 5500            |                  | 11.50   | 9.80                |
|                         |         | CH 104  | 5520            |                  | 14.00   | 12.96               |
|                         |         | CH 120  | 5600            |                  | 14.00   | 12.72               |
|                         |         | CH 124  | 5620            |                  | 14.00   | 12.78               |
|                         |         | CH 128  | 5640            |                  | 14.00   | 12.84               |
|                         |         | CH 132  | 5660            |                  | 14.00   | 12.98               |
|                         |         | CH 136  | 5680            |                  | 14.00   | 12.86               |
|                         |         | CH 140  | 5700            |                  | 11.00   | 9.54                |
|                         |         | CH 149  | 5745            |                  | 9.00    | 7.36                |
|                         |         | CH 157  | 5785            |                  | 9.00    | 7.65                |
|                         | CH 165  | 5825    | 9.00            |                  | 7.56    |                     |
|                         | Sum     | CH 36   | 5180            |                  | 14.50   | 12.40               |
|                         |         | CH 40   | 5200            |                  | 17.50   | 15.86               |
|                         |         | CH 52   | 5260            |                  | 17.50   | 15.78               |
| CH 60                   |         | 5300    | 17.50           | 15.87            |         |                     |
| CH 64                   |         | 5320    | 14.50           | 12.85            |         |                     |
| CH 100                  |         | 5500    | 14.50           | 12.60            |         |                     |
| CH 104                  |         | 5520    | 17.50           | 16.21            |         |                     |
| CH 120                  | 5600    | 17.50   | 15.87           |                  |         |                     |

| Mode                    | Antenna | Channel | Frequency (MHz) | Data Rate (Mbps) | Tune-up | Average Power (dBm) |
|-------------------------|---------|---------|-----------------|------------------|---------|---------------------|
|                         |         |         |                 |                  | Max.    |                     |
|                         |         | CH 124  | 5620            |                  | 17.50   | 16.01               |
|                         |         | CH 128  | 5640            |                  | 17.50   | 15.87               |
|                         |         | CH 132  | 5660            |                  | 17.50   | 15.94               |
|                         |         | CH 136  | 5680            |                  | 17.50   | 15.87               |
|                         |         | CH 140  | 5700            |                  | 14.00   | 12.41               |
|                         |         | CH 149  | 5745            |                  | 12.50   | 10.78               |
|                         |         | CH 157  | 5785            |                  | 12.50   | 10.99               |
|                         |         | CH 165  | 5825            |                  | 12.50   | 11.11               |
| Mode                    | Antenna | Channel | Frequency (MHz) | Data Rate (Mbps) | Tune-up | Average Power (dBm) |
|                         |         |         |                 |                  | Max.    |                     |
| 802.11ac<br>MIMO<br>40M | Ant1    | CH 38   | 5190            | MCS0             | 9.50    | 6.76                |
|                         |         | CH 46   | 5230            |                  | 14.50   | 11.56               |
|                         |         | CH 54   | 5270            |                  | 14.50   | 11.52               |
|                         |         | CH 62   | 5310            |                  | 9.50    | 7.35                |
|                         |         | CH 102  | 5510            |                  | 9.50    | 7.64                |
|                         |         | CH 110  | 5550            |                  | 14.50   | 13.40               |
|                         |         | CH 118  | 5590            |                  | 14.50   | 13.61               |
|                         |         | CH 126  | 5530            |                  | 14.50   | 13.36               |
|                         |         | CH 134  | 5670            |                  | 9.50    | 7.48                |
|                         |         | CH 151  | 5755            |                  | 10.50   | 8.57                |
|                         |         | CH 159  | 5795            |                  | 10.50   | 9.83                |
|                         | Ant2    | CH 38   | 5190            |                  | 9.50    | 6.52                |
|                         |         | CH 46   | 5230            |                  | 14.50   | 12.74               |
|                         |         | CH 54   | 5270            |                  | 14.50   | 12.95               |
|                         |         | CH 62   | 5310            |                  | 9.50    | 6.89                |
|                         |         | CH 102  | 5510            |                  | 9.50    | 8.06                |
|                         |         | CH 110  | 5550            |                  | 14.50   | 12.09               |
|                         |         | CH 118  | 5590            |                  | 14.50   | 11.52               |
|                         |         | CH 126  | 5530            |                  | 14.50   | 11.69               |
|                         |         | CH 134  | 5670            |                  | 9.50    | 7.16                |
|                         |         | CH 151  | 5755            |                  | 9.50    | 7.89                |
|                         |         | CH 159  | 5795            |                  | 9.50    | 6.97                |
|                         | Sum     | CH 38   | 5190            |                  | 12.51   | 9.65                |
|                         |         | CH 46   | 5230            |                  | 17.51   | 15.20               |
|                         |         | CH 54   | 5270            |                  | 17.51   | 15.30               |
|                         |         | CH 62   | 5310            |                  | 12.51   | 10.14               |
|                         |         | CH 102  | 5510            |                  | 12.51   | 10.87               |
|                         |         | CH 110  | 5550            |                  | 17.51   | 15.80               |
|                         |         | CH 118  | 5590            |                  | 17.51   | 15.70               |
|                         |         | CH 126  | 5530            |                  | 17.51   | 15.62               |
|                         |         | CH 134  | 5670            |                  | 12.51   | 10.33               |
|                         |         | CH 151  | 5755            |                  | 13.04   | 11.25               |
| CH 159                  | 5795    | 13.04   | 11.64           |                  |         |                     |
| Mode                    | Antenna | Channel | Frequency (MHz) | Data Rate (Mbps) | Tune-up | Average Power (dBm) |
|                         |         |         |                 |                  | Max.    |                     |
| 802.11ac<br>MIMO<br>80M | Ant1    | CH 42   | 5210            | MCS0             | 9.50    | 6.94                |
|                         |         | CH 58   | 5290            |                  | 9.50    | 7.61                |
|                         |         | CH 106  | 5530            |                  | 9.50    | 8.52                |

|                          | Ant2    | CH 122  | 5610            |                  | 9.50         | 9.04                |
|--------------------------|---------|---------|-----------------|------------------|--------------|---------------------|
|                          |         | CH 155  | 5775            |                  | 8.00         | 7.95                |
|                          |         | CH 42   | 5210            |                  | 9.50         | 8.05                |
|                          |         | CH 58   | 5290            |                  | 9.50         | 8.43                |
|                          |         | CH 106  | 5530            |                  | 9.50         | 8.74                |
|                          |         | CH 122  | 5610            |                  | 9.50         | 7.65                |
|                          | Sum     | CH 155  | 5775            |                  | 7.00         | 6.55                |
|                          |         | CH 42   | 5210            |                  | 12.51        | 10.54               |
|                          |         | CH 58   | 5290            |                  | 12.51        | 11.05               |
|                          |         | CH 106  | 5530            |                  | 12.51        | 11.64               |
|                          |         | CH 122  | 5610            |                  | 12.51        | 11.41               |
| CH 155                   | 5775    | 11.54   | 10.32           |                  |              |                     |
| Mode                     | Antenna | Channel | Frequency (MHz) | Data Rate (Mbps) | Tune-up Max. | Average Power (dBm) |
| 802.11ac<br>MIMO<br>160M | Ant1    | CH 50   | 5250            | MCS0             | 9.00         | 7.22                |
|                          |         | CH 114  | 5570            |                  | 9.00         | 7.31                |
|                          | Ant2    | CH 50   | 5250            |                  | 8.00         | 6.75                |
|                          |         | CH 114  | 5570            |                  | 8.00         | 6.68                |
|                          | Sum     | CH 50   | 5250            |                  | 11.54        | 10.00               |
|                          |         | CH 114  | 5570            |                  | 11.54        | 10.02               |

Table 146: Conducted power measurement results of WiFi 5G CDD/MIMO (MCC of CE countries,Receiver ON)

Note:

- 1) The Average conducted power of WiFi is measured with RMS detector.
- 2) As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.

### 7.1.36 Conducted power measurements of BT

The output power of BT antenna is as the following:

| BT   | Tune-up | Average Conducted Power (dBm) |      |             |
|------|---------|-------------------------------|------|-------------|
|      | Max.    | 0CH                           | 5CH  | 10CH        |
| DH5  | 9.00    | 7.27                          | 7.45 | 7.86        |
| 2DH5 | 8.00    | 4.84                          | 5.11 | 5.30        |
| 3DH5 | 8.00    | 4.89                          | 5.02 | 5.13        |
| BT   | Tune-up | Average Conducted Power (dBm) |      |             |
|      | Max.    | 11CH                          | 41CH | 70CH        |
| DH5  | 10.00   | <b>8.02</b>                   | 8.40 | <b>8.78</b> |
| 2DH5 | 9.00    | 5.10                          | 5.36 | 5.14        |
| 3DH5 | 9.00    | 5.22                          | 5.37 | 5.08        |
| BT   | Tune-up | Average Conducted Power (dBm) |      |             |
|      | Max.    | 71CH                          | 75CH | 78CH        |
| DH5  | 10.00   | 8.77                          | 8.61 | <b>8.30</b> |
| 2DH5 | 8.00    | 5.25                          | 5.16 | 4.66        |
| 3DH5 | 8.00    | 5.42                          | 5.27 | 4.62        |

| BT  | Tune-up | Average Conducted Power (dBm) |      |      |
|-----|---------|-------------------------------|------|------|
|     | Max.    | 0CH                           | 3CH  | 5CH  |
| BLE | 7.50    | 4.50                          | 4.56 | 4.49 |
| BT  | Tune-up | Average Conducted Power (dBm) |      |      |
|     | Max.    | 6CH                           | 19CH | 31CH |
| BLE | 8.50    | 4.69                          | 5.81 | 5.75 |
| BT  | Tune-up | Average Conducted Power (dBm) |      |      |
|     | Max.    | 32CH                          | 33CH | 34CH |
| BLE | 8.00    | 5.81                          | 5.71 | 5.58 |
| BT  | Tune-up | Average Conducted Power (dBm) |      |      |
|     | Max.    | 35CH                          | 37CH | 39CH |
| BLE | 7.50    | 5.29                          | 5.11 | 4.66 |

Table 147: Conducted power measurement results of BT.



| BT                | Tune-up | Average Conducted Power (dBm) |      |      |
|-------------------|---------|-------------------------------|------|------|
|                   | Max.    | 0CH                           | 2CH  | 3CH  |
| UHD GFSK 1Mbps HP | 7.10    | 5.03                          | 5.36 | 5.47 |
| UHD GFSK 2Mbps HP | 7.40    | 4.82                          | 5.24 | 5.01 |
| UHD 2M HP         | 7.40    | 5.58                          | 5.97 | 5.76 |
| UHD 2M 8DPSK HP   | 7.40    | 5.68                          | 6.08 | 5.88 |
| BT                | Tune-up | Average Conducted Power (dBm) |      |      |
|                   | Max.    | 4CH                           | 10CH | 16CH |
| UHD GFSK 1Mbps HP | 7.40    | 5.32                          | 5.91 | 5.62 |
| UHD GFSK 2Mbps HP | 7.70    | 5.26                          | 5.71 | 5.81 |
| UHD 2M HP         | 7.80    | 5.98                          | 6.43 | 6.47 |
| UHD 2M 8DPSK HP   | 7.80    | 6.10                          | 6.55 | 6.61 |
| BT                | Tune-up | Average Conducted Power (dBm) |      |      |
|                   | Max.    | 17CH                          | 25CH | 32CH |
| UHD GFSK 1Mbps HP | 7.50    | 5.57                          | 5.92 | 5.93 |
| UHD GFSK 2Mbps HP | 7.80    | 5.71                          | 6.07 | 5.65 |
| UHD 2M HP         | 8.20    | 6.43                          | 6.75 | 6.35 |
| UHD 2M 8DPSK HP   | 8.20    | 6.55                          | 6.88 | 6.46 |
| BT                | Tune-up | Average Conducted Power (dBm) |      |      |
|                   | Max.    | 33CH                          | 35CH | 37CH |
| UHD GFSK 1Mbps HP | 7.30    | 5.38                          | 5.42 | 4.79 |
| UHD GFSK 2Mbps HP | 7.60    | 5.88                          | 5.57 | 4.88 |
| UHD 2M HP         | 7.70    | 6.19                          | 6.25 | 5.61 |
| UHD 2M 8DPSK HP   | 7.70    | 6.29                          | 6.35 | 5.69 |
| BT                | Tune-up | Average Conducted Power (dBm) |      |      |
|                   | Max.    | 0CH                           | 2CH  | 4CH  |
| UHD 4M            | 5.80    | 5.10                          | 5.47 | 5.49 |
|                   | Max.    | 6CH                           | 12CH | 16CH |
|                   | 6.50    | 5.98                          | 5.80 | 5.99 |
|                   | Max.    | 18CH                          | 26CH | 32CH |
|                   | 6.40    | 5.93                          | 6.06 | 5.88 |
|                   | Max.    | 34CH                          | /    | 36CH |
|                   | 6.10    | 5.38                          | /    | 5.22 |

Table 148: Conducted power measurement results of BT UHD.

Note:

- 1) The conducted power of BT is measured with RMS detector.
- 2) The bolded mode was selected for SAR testing.
- 3) As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.

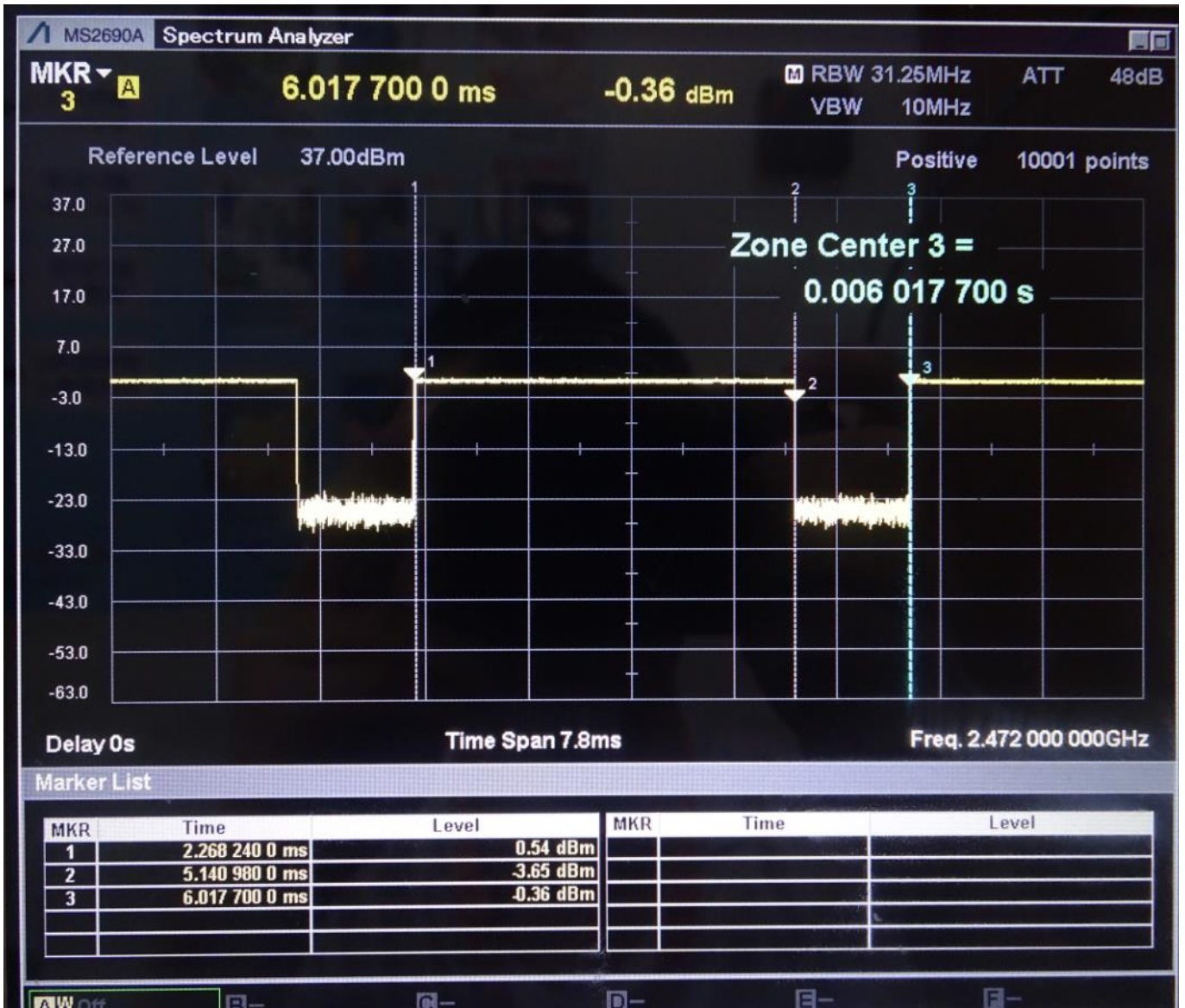


Figure: Bluetooth Transmission Plot

So the actual bluetooth duty cycle is calculated as below:

$$\text{Dutycycle} = \text{pulse} \frac{\text{width}}{\text{period}} * 100\% = \frac{2.87274\text{ms}}{3.74946\text{ms}} * 100\% = 76.6\%$$

## 7.2 SAR measurement Results

### General Notes:

- 1) Per KDB447498 D01, all SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
  - $\leq 0.8\text{W/kg}$  for 1-g or  $2.0\text{W/kg}$  for 10-g respectively, when the transmission band is  $\leq 100\text{MHz}$ .
  - $\leq 0.6\text{ W/kg}$  or  $1.5\text{ W/kg}$ , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
  - $\leq 0.4\text{ W/kg}$  or  $1.0\text{ W/kg}$ , for 1-g or 10-g respectively, when the transmission band is  $\geq 200\text{ MHz}$ .When the maximum output power variation across the required test channels is  $> \frac{1}{2}\text{ dB}$ , instead of the middle channel, the highest output power channel must be used.
- 3) Per KDB865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8\text{W/kg}$ ; if the deviation among the repeated measurement is  $\leq 20\%$ , and the measured SAR  $< 1.45\text{W/kg}$ , only one repeated measurement is required.
- 4) Per KDB941225 D06, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.
- 5) Per KDB648474 D04, SAR is evaluated without a headset connected to the device. When the standalone reported body-worn SAR is  $\leq 1.2\text{ W/kg}$ , no additional SAR evaluations using a headset are required.
- 6) Per KDB865664 D02, SAR plot is only required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination; Plots are also required when the measured SAR is  $> 1.5\text{ W/kg}$ , or  $> 7.0\text{ W/kg}$  for occupational exposure. The published RF exposure KDB procedures may require additional plots; for example, to support SAR to peak location separation ratio test exclusion and/or volume scan post-processing (Refer to appendix B for details).
- 7) All SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.
- 8) Per KDB648474 D04, Body-worn accessories that do not contain metallic or conductive components is tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.
- 9) Per KDB648474 D04, Phones with built-in NFC functions do not require separate SAR testing and can generally be tested according to the SAR measurement procedures normally required for the phone. Influences of the hardware introduced by the built-in NFC functions are inherently considered through testing of the other transmitters that require SAR evaluation.

### GSM Notes:

- 1) Per KDB941225 D01, SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
- 2) Per KDB648474 D04, the device does not support DTM function. Body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.

### UMTS Notes:

1) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is  $\leq \frac{1}{4}$  dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of Second to primary mode and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is not required for the Second mode.

### LTE Notes:

1) The LTE test configurations are determined according to KDB941225 D05 SAR for LTE Devices. The general test procedures used for SAR testing can be found in Section 6.5.

2) A-MPR was disabled for all SAR test by setting NS\_01 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI)

3) According to KDB 941225 D05 SAR for LTE Devices, for Time-Division Duplex (TDD) systems, SAR is tested using a fixed periodic duty factor according to the highest transmission duty factor (63.33%) implemented for the device and supported by the defined 3GPP LTE TDD configurations.

### WiFi Notes:

Per KDB248227D01:

1) When reported SAR for the initial test position is  $\leq 0.4$  W/kg, no additional testing for the remaining test position is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR position until the reported SAR result is  $\leq 0.8$  W/kg or all test position are measured. For all positions/configurations tested using the initial test position and subsequent test positions, when the *reported* SAR is  $> 0.8$  W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the *reported* SAR is  $\leq 1.2$  W/kg or all required channels are tested..

2) When the DSSS *reported* SAR of the highest measured maximum output power channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.

3) When the highest *reported* SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations

4) The highest SAR measured for the initial test position or initial test configuration should be used to determine SAR test exclusion according to the sum of 1-g SAR and SAR peak to location ratio provisions in KDB 447498. In addition, a test lab may also choose to perform standalone SAR measurements for test positions and 802.11 configurations that are not required by the initial test position or initial test configuration procedures and apply the results to determine simultaneous transmission SAR test exclusion, according to sum of 1-g and SAR peak to location ratio requirements to reduce the number of simultaneous transmission SAR measurements.

## 7.2.1 SAR measurement Result of GSM850

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 190/836.6                | GSM       | 0.311              | 0.167 | -0.04            | 27.54                 | 28.80               | 0.416                   | Battery 1#            | /         |
| Left tilt  | 190/836.6                | GSM       | 0.232              | 0.145 | 0.05             | 27.54                 | 28.80               | 0.310                   | Battery 1#            | /         |
| Right cheek  | 190/836.6                | GSM       | 0.301              | 0.177 | -0.05            | 27.54                 | 28.80               | 0.402                   | Battery 1#            | /         |
| Right tilt   | 190/836.6                | GSM       | 0.239              | 0.142 | -0.01            | 27.54                 | 28.80               | 0.319                   | Battery 1#            | /         |
| Left cheek   | 190/836.6                | GSM       | 0.316              | 0.172 | -0.10            | 27.54                 | 28.80               | 0.422                   | Battery 2#            | /         |
| Left cheek   | 190/836.6                | GSM       | 0.300              | 0.160 | -0.04            | 27.54                 | 28.80               | 0.401                   | With SIM2             | /         |
| Left cheek   | 128/824.2                | GSM       | 0.282              | 0.186 | -0.06            | 27.42                 | 28.80               | 0.387                   | Battery 2#            | /         |
| Left cheek   | 251/848.8                | GSM       | 0.306              | 0.164 | -0.01            | 27.57                 | 28.80               | 0.406                   | Battery 2#            | /         |
| Main Antenna   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 190/836.6                | GSM       | 0.108              | 0.075 | -0.01            | 33.17                 | 33.80               | 0.125                   | Battery 1#            | /         |
| Left tilt  | 190/836.6                | GSM       | 0.052              | 0.037 | -0.13            | 33.17                 | 33.80               | 0.060                   | Battery 1#            | /         |
| Right cheek  | 190/836.6                | GSM       | 0.162              | 0.127 | -0.07            | 33.17                 | 33.80               | 0.187                   | Battery 1#            | /         |
| Right tilt   | 190/836.6                | GSM       | 0.065              | 0.045 | -0.15            | 33.17                 | 33.80               | 0.075                   | Battery 1#            | /         |
| Right cheek  | 190/836.6                | GSM       | 0.174              | 0.137 | -0.17            | 33.17                 | 33.80               | 0.201                   | Battery 2#            | /         |
| Right cheek  | 190/836.6                | GSM       | 0.158              | 0.124 | -0.17            | 33.17                 | 33.80               | 0.183                   | With SIM2             | /         |
| Right cheek  | 128/824.2                | GSM       | 0.132              | 0.091 | -0.08            | 32.97                 | 33.80               | 0.160                   | Battery 2#            | /         |
| Right cheek  | 251/848.8                | GSM       | 0.197              | 0.155 | -0.11            | 33.23                 | 33.80               | 0.225                   | Battery 2#            | /         |
| LYA-L0C Test at the worst case (Second Antenna)                        |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 190/836.6                | GSM       | 0.264              | 0.143 | -0.19            | 27.54                 | 28.80               | 0.353                   | Battery 2#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                          |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Right cheek  | 251/848.8                | GSM       | 0.235              | 0.184 | 0.14             | 33.23                 | 33.80               | 0.268                   | Battery 2#            | Yes       |

Table 149: Head SAR test results of GSM850

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 190/836.6                | GSM       | 0.037              | 0.025 | -0.10            | 27.54                 | 28.80               | 0.049                   | Battery 1#            | /         |
| Back Side  | 15mm  | 190/836.6                | GSM       | 0.045              | 0.032 | -0.14            | 27.54                 | 28.80               | 0.060                   | Battery 1#            | /         |
| Back Side  | 15mm  | 190/836.6                | GSM       | 0.038              | 0.028 | -0.10            | 27.54                 | 28.80               | 0.051                   | Battery 2#            | /         |
| Back Side  | 15mm  | 190/836.6                | GSM       | 0.038              | 0.028 | -0.19            | 27.54                 | 28.80               | 0.051                   | With SIM2             | /         |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 190/836.6                | GSM       | 0.162              | 0.111 | -0.16            | 33.17                 | 33.80               | 0.187                   | Battery 1#            | /         |
| Back Side  | 15mm  | 190/836.6                | GSM       | 0.209              | 0.155 | -0.15            | 33.17                 | 33.80               | 0.242                   | Battery 1#            | /         |
| Back Side  | 15mm  | 190/836.6                | GSM       | 0.207              | 0.153 | -0.07            | 33.17                 | 33.80               | 0.239                   | Battery 2#            | /         |
| Back Side  | 15mm  | 190/836.6                | GSM       | 0.208              | 0.154 | -0.17            | 33.17                 | 33.80               | 0.240                   | With SIM2             | /         |
| LYA-L0C Test at the worst case (Second Antenna)                        |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 190/836.6                | GSM       | 0.039              | 0.029 | -0.19            | 27.54                 | 28.80               | 0.052                   | Battery 1#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                          |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 190/836.6                | GSM       | 0.190              | 0.141 | -0.15            | 33.17                 | 33.80               | 0.220                   | Battery 1#            | Yes       |

Table 150: Body-Worn SAR test results of GSM850

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 190/836.6                | GPRS 2TS  | 0.087              | 0.051 | -0.18            | 25.45                 | 26.80               | 0.119                   | Battery 1#            | /         |
| Back Side  | 10mm  | 190/836.6                | GPRS 2TS  | 0.083              | 0.048 | -0.11            | 25.45                 | 26.80               | 0.113                   | Battery 1#            | /         |
| Left Side  | 10mm  | 190/836.6                | GPRS 2TS  | 0.066              | 0.044 | -0.18            | 25.45                 | 26.80               | 0.089                   | Battery 1#            | /         |
| Right Side   | 10mm  | 190/836.6                | GPRS 2TS  | 0.014              | 0.009 | -0.19            | 25.45                 | 26.80               | 0.019                   | Battery 1#            | /         |
| Top Side   | 10mm  | 190/836.6                | GPRS 2TS  | 0.055              | 0.028 | 0.11             | 25.45                 | 26.80               | 0.075                   | Battery 1#            | /         |
| Front Side   | 10mm  | 190/836.6                | GPRS 2TS  | 0.084              | 0.048 | -0.17            | 25.45                 | 26.80               | 0.115                   | Battery 2#            | /         |
| Front Side   | 10mm  | 190/836.6                | GPRS 2TS  | 0.075              | 0.046 | -0.17            | 25.45                 | 26.80               | 0.103                   | With SIM2             | /         |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 190/836.6                | GPRS 2TS  | 0.305              | 0.204 | -0.18            | 30.70                 | 31.80               | 0.393                   | Battery 1#            | /         |
| Back Side  | 10mm  | 190/836.6                | GPRS 2TS  | 0.389              | 0.236 | -0.17            | 30.70                 | 31.80               | 0.501                   | Battery 1#            | /         |
| Left Side  | 10mm  | 190/836.6                | GPRS 2TS  | 0.118              | 0.079 | -0.16            | 30.70                 | 31.80               | 0.152                   | Battery 1#            | /         |
| Right Side   | 10mm  | 190/836.6                | GPRS 2TS  | 0.281              | 0.189 | -0.14            | 30.70                 | 31.80               | 0.362                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 190/836.6                | GPRS 2TS  | 0.154              | 0.093 | -0.05            | 30.70                 | 31.80               | 0.198                   | Battery 1#            | /         |
| Back Side  | 10mm  | 190/836.6                | GPRS 2TS  | 0.403              | 0.245 | 0.06             | 30.70                 | 31.80               | 0.519                   | Battery 2#            | /         |
| Back Side  | 10mm  | 190/836.6                | GPRS 2TS  | 0.389              | 0.234 | -0.10            | 30.70                 | 31.80               | 0.501                   | With SIM2             | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 190/836.6                | GPRS 2TS  | 0.082              | 0.048 | -0.14            | 25.45                 | 26.80               | 0.112                   | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 190/836.6                | GPRS 2TS  | 0.303              | 0.185 | -0.05            | 30.70                 | 31.80               | 0.390                   | Battery 2#            | Yes       |

Table 151: Hotspot SAR test results of GSM850

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

## 7.2.2 SAR measurement Result of GSM1900

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 661/1880                 | GSM       | 0.147              | 0.070 | -0.17            | 24.26                 | 25.50               | 0.196                   | Battery 1#            | /         |
| Left tilt  | 661/1880                 | GSM       | 0.154              | 0.073 | 0.19             | 24.26                 | 25.50               | 0.205                   | Battery 1#            | /         |
| Right cheek  | 661/1880                 | GSM       | 0.213              | 0.096 | -0.12            | 24.26                 | 25.50               | 0.283                   | Battery 1#            | /         |
| Right tilt   | 661/1880                 | GSM       | 0.261              | 0.114 | 0.06             | 24.26                 | 25.50               | 0.347                   | Battery 1#            | /         |
| Right tilt   | 661/1880                 | GSM       | 0.265              | 0.117 | -0.07            | 24.26                 | 25.50               | 0.353                   | Battery 2#            | /         |
| Right tilt   | 661/1880                 | GSM       | 0.183              | 0.084 | 0.00             | 24.26                 | 25.50               | 0.243                   | With SIM2             | /         |
| Right tilt   | 512/1850.2               | GSM       | 0.205              | 0.094 | -0.19            | 24.41                 | 25.50               | 0.263                   | Battery 2#            | /         |
| Right tilt   | 810/1909.8               | GSM       | 0.223              | 0.104 | 0.11             | 24.19                 | 25.50               | 0.302                   | Battery 2#            | /         |
| Main Antenna   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 661/1880                 | GSM       | 0.066              | 0.042 | 0.16             | 29.51                 | 30.50               | 0.083                   | Battery 1#            | /         |
| Left tilt  | 661/1880                 | GSM       | 0.020              | 0.011 | 0.14             | 29.51                 | 30.50               | 0.025                   | Battery 1#            | /         |
| Right cheek  | 661/1880                 | GSM       | 0.040              | 0.026 | 0.12             | 29.51                 | 30.50               | 0.050                   | Battery 1#            | /         |
| Right tilt   | 661/1880                 | GSM       | 0.029              | 0.018 | 0.11             | 29.51                 | 30.50               | 0.037                   | Battery 1#            | /         |
| Left cheek   | 661/1880                 | GSM       | 0.069              | 0.044 | 0.17             | 29.51                 | 30.50               | 0.087                   | Battery 2#            | /         |
| Left cheek   | 661/1880                 | GSM       | 0.064              | 0.040 | 0.13             | 29.51                 | 30.50               | 0.080                   | With SIM2             | /         |
| Left cheek   | 512/1850.2               | GSM       | 0.060              | 0.038 | 0.14             | 29.43                 | 30.50               | 0.077                   | Battery 2#            | /         |
| Left cheek   | 810/1909.8               | GSM       | 0.065              | 0.040 | 0.14             | 29.56                 | 30.50               | 0.080                   | Battery 2#            | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Right tilt   | 661/1880                 | GSM       | 0.165              | 0.070 | -0.17            | 24.26                 | 25.50               | 0.220                   | Battery 2#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 661/1880                 | GSM       | 0.055              | 0.035 | -0.14            | 29.51                 | 30.50               | 0.069                   | Battery 2#            | Yes       |

Table 152: Head SAR test results of GSM1900



| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 661/1880                 | GSM       | 0.026              | 0.014 | -0.11            | 25.30                 | 26.50               | 0.035                   | Battery 1#            | /         |
| Back Side  | 15mm  | 661/1880                 | GSM       | 0.030              | 0.017 | -0.17            | 25.30                 | 26.50               | 0.040                   | Battery 1#            | /         |
| Back Side  | 15mm  | 661/1880                 | GSM       | 0.031              | 0.017 | 0.19             | 25.30                 | 26.50               | 0.041                   | Battery 2#            | /         |
| Back Side  | 15mm  | 661/1880                 | GSM       | 0.028              | 0.015 | 0.07             | 25.30                 | 26.50               | 0.036                   | With SIM2             | /         |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 661/1880                 | GSM       | 0.240              | 0.135 | 0.02             | 29.51                 | 30.50               | 0.301                   | Battery 1#            | /         |
| Back Side  | 15mm  | 661/1880                 | GSM       | 0.293              | 0.165 | 0.00             | 29.51                 | 30.50               | 0.368                   | Battery 1#            | /         |
| Back Side  | 15mm  | 661/1880                 | GSM       | 0.190              | 0.107 | -0.08            | 29.51                 | 30.50               | 0.239                   | Battery 2#            | /         |
| Back Side  | 15mm  | 661/1880                 | GSM       | 0.205              | 0.088 | 0.11             | 29.51                 | 30.50               | 0.257                   | With SIM2             | /         |
| LYA-L0C Test at the worst case (Second Antenna)                        |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 661/1880                 | GSM       | 0.015              | 0.007 | -0.18            | 25.30                 | 26.50               | 0.020                   | Battery 2#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                          |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 661/1880                 | GSM       | 0.233              | 0.134 | -0.04            | 29.51                 | 30.50               | 0.293                   | Battery 1#            | Yes       |

Table 153: Body-Worn SAR test results of GSM1900

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 661/1880                 | GPRS 2TS  | 0.058              | 0.027 | 0.06             | 23.32                 | 24.50               | 0.076                   | Battery 1#            | /         |
| Back Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.081              | 0.041 | 0.12             | 23.32                 | 24.50               | 0.106                   | Battery 1#            | /         |
| Left Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.012              | 0.007 | -0.05            | 23.32                 | 24.50               | 0.015                   | Battery 1#            | /         |
| Right Side   | 10mm  | 661/1880                 | GPRS 2TS  | 0.005              | 0.003 | -0.03            | 23.32                 | 24.50               | 0.006                   | Battery 1#            | /         |
| Top Side   | 10mm  | 661/1880                 | GPRS 2TS  | 0.130              | 0.064 | -0.13            | 23.32                 | 24.50               | 0.171                   | Battery 1#            | /         |
| Top Side   | 10mm  | 661/1880                 | GPRS 2TS  | 0.145              | 0.071 | -0.09            | 23.32                 | 24.50               | 0.190                   | Battery 2#            | /         |
| Top Side   | 10mm  | 661/1880                 | GPRS 2TS  | 0.125              | 0.062 | -0.18            | 23.32                 | 24.50               | 0.164                   | With SIM2             | /         |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 661/1880                 | GPRS 2TS  | 0.155              | 0.082 | -0.02            | 22.34                 | 23.50               | 0.202                   | Battery 1#            | /         |
| Back Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.196              | 0.103 | -0.05            | 22.34                 | 23.50               | 0.256                   | Battery 1#            | /         |
| Left Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.014              | 0.008 | -0.08            | 22.34                 | 23.50               | 0.018                   | Battery 1#            | /         |
| Right Side   | 10mm  | 661/1880                 | GPRS 2TS  | 0.026              | 0.014 | -0.14            | 22.34                 | 23.50               | 0.034                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.352              | 0.181 | -0.07            | 22.34                 | 23.50               | 0.460                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.385              | 0.196 | -0.01            | 22.34                 | 23.50               | 0.503                   | Battery 2#            | /         |
| Bottom Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.371              | 0.189 | -0.11            | 22.34                 | 23.50               | 0.485                   | With SIM2             | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Top Side   | 10mm  | 661/1880                 | GPRS 2TS  | 0.077              | 0.037 | -0.14            | 23.32                 | 24.50               | 0.101                   | Battery 2#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Bottom Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.260              | 0.133 | 0.00             | 22.34                 | 23.50               | 0.340                   | Battery 2#            | Yes       |

Table 154: Hotspot SAR test results of GSM1900

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-------------------------------------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                          |                                     |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Front Side   | 10mm  | 661/1880                 | GPRS 2TS  | 0.155              | 0.082 | -0.02            | 22.34                 | 28.50               | 0.640                    | Yes                                 |
| Back Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.196              | 0.103 | -0.05            | 22.34                 | 28.50               | 0.810                    | Yes                                 |
| Left Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.014              | 0.008 | -0.08            | 22.34                 | 28.50               | 0.057                    | Yes                                 |
| Right Side   | 10mm  | 661/1880                 | GPRS 2TS  | 0.026              | 0.014 | -0.14            | 22.34                 | 28.50               | 0.107                    | Yes                                 |
| Bottom Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.352              | 0.181 | -0.07            | 22.34                 | 28.50               | 1.454                    | No                                  |
| Bottom Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.385              | 0.196 | -0.01            | 22.34                 | 28.50               | 1.590                    | No                                  |
| Bottom Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.371              | 0.189 | -0.11            | 22.34                 | 28.50               | 1.532                    | No                                  |
| LYA-L0C Test at the worst case (Main Antenna)                          |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Bottom Side  | 10mm  | 661/1880                 | GPRS 2TS  | 0.260              | 0.133 | 0.00             | 22.34                 | 28.50               | 1.074                    | Yes                                 |

Table 155: Product Specific 10-g SAR test reduction evaluation of GSM1900

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Bottom Side (Main Antenna)

| Product Specific 10-g SAR   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
|   |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                          |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)        |       |                          |           |                    |       |                  |                       |                     |                          |                       |           |
| Main Antenna  |       |                          |           |                    |       |                  |                       |                     |                          |                       |           |
| Bottom Side   | 0mm   | 661/1880                 | GPRS 2TS  | 4.030              | 1.720 | -0.16            | 25.74                 | 27.00               | 2.299                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 512/1850.2               | GPRS 2TS  | 3.770              | 1.660 | -0.12            | 25.56                 | 27.00               | 2.313                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 810/1909.8               | GPRS 2TS  | 3.360              | 1.510 | -0.18            | 25.90                 | 27.00               | 1.945                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 512/1850.2               | GPRS 2TS  | 3.850              | 1.700 | -0.19            | 25.56                 | 27.00               | 2.368                    | Battery 2#            | /         |
| Bottom Side   | 0mm   | 512/1850.2               | GPRS 2TS  | 3.100              | 1.370 | -0.14            | 25.56                 | 27.00               | 1.909                    | With SIM2             | /         |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) |       |                          |           |                    |       |                  |                       |                     |                          |                       |           |
| Bottom Side   | 8mm   | 661/1880                 | GPRS 2TS  | 2.570              | 1.160 | -0.12            | 27.32                 | 28.50               | 1.522                    | Battery 1#            | /         |
| LYA-L0C Test at the worst case (Main Antenna)                                 |       |                          |           |                    |       |                  |                       |                     |                          |                       |           |
| Bottom Side   | 0mm   | 512/1850.2               | GPRS 2TS  | 3.640              | 1.590 | -0.06            | 25.56                 | 27.00               | 2.215                    | Battery 2#            | Yes       |

Table 156: Product Specific 10-g SAR SAR test results of GSM1900

### 7.2.3 SAR measurement Result of UMTS Band II

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 9400/1880                | RMC       | 0.151              | 0.079 | -0.19            | 14.93                 | 16.00               | 0.193                   | Battery 1#            | /         |
| Left tilt  | 9400/1880                | RMC       | 0.190              | 0.094 | -0.19            | 14.93                 | 16.00               | 0.243                   | Battery 1#            | /         |
| Right cheek  | 9400/1880                | RMC       | 0.295              | 0.133 | -0.12            | 14.93                 | 16.00               | 0.377                   | Battery 1#            | /         |
| Right tilt   | 9400/1880                | RMC       | 0.351              | 0.156 | -0.16            | 14.93                 | 16.00               | 0.449                   | Battery 1#            | /         |
| Right tilt   | 9400/1880                | RMC       | 0.344              | 0.153 | -0.14            | 14.93                 | 16.00               | 0.440                   | Battery 2#            | /         |
| Right tilt   | 9262/1852.4              | RMC       | 0.311              | 0.138 | -0.18            | 14.87                 | 16.00               | 0.403                   | Battery 1#            | /         |
| Right tilt   | 9538/1907.6              | RMC       | 0.404              | 0.181 | -0.15            | 14.81                 | 16.00               | 0.531                   | Battery 1#            | Yes       |
| Left cheek   | 9400/1880                | RMC       | 0.151              | 0.079 | -0.19            | 14.93                 | 16.00               | 0.193                   | Battery 1#            | /         |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 9400/1880                | RMC       | 0.134              | 0.087 | 0.04             | 23.77                 | 25.00               | 0.178                   | Battery 1#            | /         |
| Left tilt  | 9400/1880                | RMC       | 0.130              | 0.075 | 0.01             | 23.77                 | 25.00               | 0.173                   | Battery 1#            | /         |
| Right cheek  | 9400/1880                | RMC       | 0.082              | 0.055 | 0.01             | 23.77                 | 25.00               | 0.109                   | Battery 1#            | /         |
| Right tilt   | 9400/1880                | RMC       | 0.062              | 0.039 | 0.08             | 23.77                 | 25.00               | 0.082                   | Battery 1#            | /         |
| Left cheek   | 9400/1880                | RMC       | 0.120              | 0.078 | 0.00             | 23.77                 | 25.00               | 0.159                   | Battery 2#            | /         |
| Left cheek   | 9400/1880                | RMC       | 0.107              | 0.062 | 0.12             | 23.77                 | 25.00               | 0.142                   | With SIM2             | /         |
| Left cheek   | 9262/1852.4              | RMC       | 0.107              | 0.062 | 0.01             | 24.15                 | 25.00               | 0.130                   | Battery 1#            | /         |
| Left cheek   | 9538/1907.6              | RMC       | 0.128              | 0.081 | 0.07             | 24.25                 | 25.00               | 0.152                   | Battery 1#            | /         |
| LYA-LOC Test at the worst case (Main Antenna)                          |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 9400/1880                | RMC       | 0.145              | 0.093 | -0.15            | 23.77                 | 25.00               | 0.192                   | Battery 1#            | Yes       |

Table 157: Head SAR test results of UMTS Band II

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 9400/1880                | RMC       | 0.094              | 0.051 | -0.13            | 20.71                 | 22.00               | 0.127                   | Battery 1#            | /         |
| Back Side  | 15mm  | 9400/1880                | RMC       | 0.110              | 0.060 | -0.19            | 20.71                 | 22.00               | 0.148                   | Battery 1#            | /         |
| Back Side  | 15mm  | 9400/1880                | RMC       | 0.108              | 0.059 | -0.08            | 20.71                 | 22.00               | 0.145                   | Battery 2#            | /         |
| Back Side  | 15mm  | 9400/1880                | RMC       | 0.107              | 0.058 | 0.01             | 20.71                 | 22.00               | 0.144                   | With SIM2             | /         |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 9400/1880                | RMC       | 0.507              | 0.272 | -0.05            | 23.77                 | 25.00               | 0.673                   | Battery 1#            | /         |
| Back Side  | 15mm  | 9400/1880                | RMC       | 0.608              | 0.344 | -0.03            | 23.77                 | 25.00               | 0.807                   | Battery 1#            | /         |
| Back Side  | 15mm  | 9538/1907.6              | RMC       | 0.629              | 0.356 | 0.05             | 23.77                 | 25.00               | 0.835                   | Battery 1#            | /         |
| Back Side  | 15mm  | 9262/1852.4              | RMC       | 0.622              | 0.349 | 0.00             | 24.15                 | 25.00               | 0.756                   | Battery 1#            | /         |
| Back Side  | 15mm  | 9538/1907.6              | RMC       | 0.648              | 0.364 | 0.06             | 24.25                 | 25.00               | 0.770                   | Battery 2#            | /         |
| Back Side  | 15mm  | 9538/1907.6              | RMC       | 0.617              | 0.348 | -0.08            | 24.25                 | 25.00               | 0.733                   | With SIM2             | /         |
| LYA-L0C Test at the worst case (Second Antenna)                        |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 9400/1880                | RMC       | 0.058              | 0.032 | -0.19            | 20.71                 | 22.00               | 0.078                   | Battery 1#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                          |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 9400/1880                | RMC       | 0.598              | 0.342 | 0.04             | 23.77                 | 25.00               | 0.794                   | Battery 1#            | Yes       |

Table 158: Body-Worn SAR test results of UMTS Band II

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 9400/1880                | RMC       | 0.243              | 0.117 | 0.10             | 18.73                 | 20.00               | 0.326                   | Battery 1#            | /         |
| Back Side  | 10mm  | 9400/1880                | RMC       | 0.240              | 0.120 | 0.02             | 18.73                 | 20.00               | 0.322                   | Battery 1#            | /         |
| Left Side  | 10mm  | 9400/1880                | RMC       | 0.024              | 0.014 | 0.02             | 18.73                 | 20.00               | 0.033                   | Battery 1#            | /         |
| Right Side   | 10mm  | 9400/1880                | RMC       | 0.006              | 0.004 | -0.01            | 18.73                 | 20.00               | 0.008                   | Battery 1#            | /         |
| Top Side   | 10mm  | 9400/1880                | RMC       | 0.288              | 0.138 | -0.04            | 18.73                 | 20.00               | 0.386                   | Battery 1#            | /         |
| Top Side   | 10mm  | 9400/1880                | RMC       | 0.316              | 0.155 | -0.11            | 18.73                 | 20.00               | 0.423                   | Battery 2#            | /         |
| Top Side   | 10mm  | 9400/1880                | RMC       | 0.286              | 0.137 | -0.15            | 18.73                 | 20.00               | 0.383                   | With SIM2             | /         |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 9400/1880                | RMC       | 0.200              | 0.101 | 0.13             | 16.79                 | 18.00               | 0.264                   | Battery 1#            | /         |
| Back Side  | 10mm  | 9400/1880                | RMC       | 0.277              | 0.145 | 0.09             | 16.79                 | 18.00               | 0.366                   | Battery 1#            | /         |
| Left Side  | 10mm  | 9400/1880                | RMC       | 0.022              | 0.012 | 0.10             | 16.79                 | 18.00               | 0.029                   | Battery 1#            | /         |
| Right Side   | 10mm  | 9400/1880                | RMC       | 0.037              | 0.019 | -0.02            | 16.79                 | 18.00               | 0.049                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 9400/1880                | RMC       | 0.579              | 0.292 | -0.08            | 16.79                 | 18.00               | 0.765                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 9400/1880                | RMC       | 0.561              | 0.284 | -0.08            | 16.79                 | 18.00               | 0.741                   | Battery 2#            | /         |
| Bottom Side  | 10mm  | 9400/1880                | RMC       | 0.572              | 0.289 | -0.08            | 16.79                 | 18.00               | 0.756                   | With SIM2             | /         |
| LYA-0C (NEW) Test at the worst case from original report(Second Antenna) |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Top Side   | 10mm  | 9400/1880                | RMC       | 0.157              | 0.081 | 0.12             | 18.73                 | 20.00               | 0.210                   | Battery 2#            | Yes       |
| LYA-0C (NEW) Test at the worst case from original report(Main Antenna)   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Bottom Side  | 10mm  | 9400/1880                | RMC       | 0.516              | 0.268 | -0.04            | 16.79                 | 18.00               | 0.682                   | Battery 1#            | Yes       |

Table 159: Hotspot SAR test results of UMTS Band II

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-------------------------------------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                          |                                     |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)   |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Front Side   | 10mm  | 9400/1880                | RMC       | 0.243              | 0.117 | 0.10             | 18.73                 | 22.00               | 0.516                    | Yes                                 |
| Back Side  | 10mm  | 9400/1880                | RMC       | 0.240              | 0.120 | 0.02             | 18.73                 | 22.00               | 0.510                    | Yes                                 |
| Left Side  | 10mm  | 9400/1880                | RMC       | 0.024              | 0.014 | 0.02             | 18.73                 | 22.00               | 0.052                    | Yes                                 |
| Right Side   | 10mm  | 9400/1880                | RMC       | 0.006              | 0.004 | -0.01            | 18.73                 | 22.00               | 0.013                    | Yes                                 |
| Top Side   | 10mm  | 9400/1880                | RMC       | 0.288              | 0.138 | -0.04            | 18.73                 | 22.00               | 0.611                    | Yes                                 |
| Top Side   | 10mm  | 9400/1880                | RMC       | 0.316              | 0.155 | -0.11            | 18.73                 | 22.00               | 0.671                    | Yes                                 |
| Top Side   | 10mm  | 9400/1880                | RMC       | 0.286              | 0.137 | -0.15            | 18.73                 | 22.00               | 0.607                    | Yes                                 |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Front Side   | 10mm  | 9400/1880                | RMC       | 0.200              | 0.101 | 0.13             | 16.79                 | 25.00               | 1.324                    | No                                  |
| Back Side  | 10mm  | 9400/1880                | RMC       | 0.277              | 0.145 | 0.09             | 16.79                 | 25.00               | 1.834                    | No                                  |
| Left Side  | 10mm  | 9400/1880                | RMC       | 0.022              | 0.012 | 0.10             | 16.79                 | 25.00               | 0.146                    | Yes                                 |
| Right Side   | 10mm  | 9400/1880                | RMC       | 0.037              | 0.019 | -0.02            | 16.79                 | 25.00               | 0.246                    | Yes                                 |
| Bottom Side  | 10mm  | 9400/1880                | RMC       | 0.579              | 0.292 | -0.08            | 16.79                 | 25.00               | 3.834                    | No                                  |
| Bottom Side  | 10mm  | 9400/1880                | RMC       | 0.561              | 0.284 | -0.08            | 16.79                 | 25.00               | 3.715                    | No                                  |
| Bottom Side  | 10mm  | 9400/1880                | RMC       | 0.572              | 0.289 | -0.08            | 16.79                 | 25.00               | 3.788                    | No                                  |
| LYA-0C (NEW) Test at the worst case from original report(Second Antenna) |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Top Side   | 10mm  | 9400/1880                | RMC       | 0.157              | 0.081 | 0.12             | 18.73                 | 22.00               | 0.333                    | Yes                                 |
| LYA-0C (NEW) Test at the worst case from original report(Main Antenna)   |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Bottom Side  | 10mm  | 9400/1880                | RMC       | 0.516              | 0.268 | -0.04            | 16.79                 | 25.00               | 3.417                    | No                                  |

Table 160: Product Specific 10-g SAR test reduction evaluation of UMTS Band II

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Front Side, Back Side, Bottom Side(Main antenna)

| Product Specific 10-g SAR   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
|   |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                          |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)        |       |                          |           |                    |       |                  |                       |                     |                          |                       |           |
| Main Antenna  |       |                          |           |                    |       |                  |                       |                     |                          |                       |           |
| Front Side  | 0mm   | 9400/1880                | RMC       | 3.660              | 1.600 | -0.02            | 20.29                 | 21.50               | 2.114                    | Battery 1#            | /         |
| Front Side  | 0mm   | 9262/1852.4              | RMC       | 3.590              | 1.570 | -0.01            | 20.34                 | 21.50               | 2.051                    | Battery 1#            | /         |
| Front Side  | 0mm   | 9538/1907.6              | RMC       | 3.720              | 1.620 | -0.02            | 20.38                 | 21.50               | 2.097                    | Battery 1#            | /         |
| Back Side   | 0mm   | 9400/1880                | RMC       | 3.000              | 1.270 | -0.01            | 20.29                 | 21.50               | 1.678                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 9400/1880                | RMC       | 5.750              | 2.400 | -0.18            | 20.29                 | 21.50               | 3.171                    | Battery 1#            | /         |
| Bottom Side-holder perturbation verification                                  | 0mm   | 9400/1880                | RMC       | 4.670              | 2.070 | -0.08            | 20.29                 | 21.50               | 2.735                    | Battery 1#            | /         |
| Bottom Side Repeated  | 0mm   | 9400/1880                | RMC       | 4.720              | 2.080 | 0.12             | 20.29                 | 21.50               | 2.748                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 9262/1852.4              | RMC       | 4.800              | 2.130 | -0.14            | 20.34                 | 21.50               | 2.782                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 9538/1907.6              | RMC       | 4.820              | 2.180 | -0.13            | 20.38                 | 21.50               | 2.821                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 9400/1880                | RMC       | 4.710              | 2.110 | -0.13            | 20.29                 | 21.50               | 2.788                    | Battery 2#            | /         |
| Bottom Side   | 0mm   | 9400/1880                | RMC       | 5.470              | 2.340 | 0.11             | 20.29                 | 21.50               | 3.092                    | With SIM2             | /         |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) |       |                          |           |                    |       |                  |                       |                     |                          |                       |           |
| Front Side  | 3mm   | 9400/1880                | RMC       | 4.570              | 1.940 | -0.01            | 23.77                 | 25.00               | 2.575                    | Battery 1#            | /         |
| Front Side  | 3mm   | 9262/1852.4              | RMC       | 4.690              | 2.070 | 0.10             | 24.15                 | 25.00               | 2.518                    | Battery 1#            | /         |
| Front Side  | 3mm   | 9538/1907.6              | RMC       | 4.950              | 2.170 | 0.02             | 24.25                 | 25.00               | 2.579                    | Battery 1#            | /         |
| Back Side   | 4mm   | 9400/1880                | RMC       | 3.960              | 1.810 | -0.08            | 23.77                 | 25.00               | 2.403                    | Battery 1#            | /         |
| Back Side   | 4mm   | 9262/1852.4              | RMC       | 4.310              | 1.980 | -0.02            | 24.15                 | 25.00               | 2.408                    | Battery 1#            | /         |
| Back Side   | 4mm   | 9538/1907.6              | RMC       | 4.580              | 2.080 | -0.07            | 24.25                 | 25.00               | 2.472                    | Battery 1#            | /         |
| Bottom Side   | 8mm   | 9400/1880                | RMC       | 5.100              | 2.370 | 0.05             | 23.77                 | 25.00               | 3.146                    | Battery 1#            | /         |
| Bottom Side   | 8mm   | 9262/1852.4              | RMC       | 4.650              | 2.100 | -0.13            | 24.15                 | 25.00               | 2.554                    | Battery 1#            | /         |
| Bottom Side   | 8mm   | 9538/1907.6              | RMC       | 5.100              | 2.360 | -0.12            | 24.25                 | 25.00               | 2.805                    | Battery 1#            | /         |
| LYA-L0C Test at the worst case (Main Antenna)                                 |       |                          |           |                    |       |                  |                       |                     |                          |                       |           |
| Bottom Side   | 0mm   | 9400/1880                | RMC       | 4.180              | 1.820 | 0.19             | 20.00                 | 21.00               | 2.291                    | Battery 1#            | Yes       |

Table 161: Product Specific 10-g SAR test results of UMTS Band II



## 7.2.4 SAR measurement Result of UMTS Band IV

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 1413/1732.6              | RMC       | 0.078              | 0.039 | -0.19            | 13.89                 | 15.00               | 0.100                   | Battery 1#            | /         |
| Left tilt  | 1413/1732.6              | RMC       | 0.076              | 0.038 | 0.13             | 13.89                 | 15.00               | 0.098                   | Battery 1#            | /         |
| Right cheek  | 1413/1732.6              | RMC       | 0.093              | 0.045 | 0.13             | 13.89                 | 15.00               | 0.120                   | Battery 1#            | /         |
| Right tilt   | 1413/1732.6              | RMC       | 0.086              | 0.042 | 0.03             | 13.89                 | 15.00               | 0.111                   | Battery 1#            | /         |
| Right cheek  | 1413/1732.6              | RMC       | 0.098              | 0.047 | -0.01            | 13.89                 | 15.00               | 0.126                   | Battery 2#            | /         |
| Right cheek  | 1312/1712.4              | RMC       | 0.068              | 0.033 | -0.12            | 13.92                 | 15.00               | 0.087                   | Battery 2#            | /         |
| Right cheek  | 1513/1752.6              | RMC       | 0.134              | 0.064 | 0.01             | 13.72                 | 15.00               | 0.180                   | Battery 2#            | Yes       |
| Left cheek   | 1413/1732.6              | RMC       | 0.078              | 0.039 | -0.19            | 13.89                 | 15.00               | 0.100                   | Battery 1#            | /         |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 1413/1732.6              | RMC       | 0.123              | 0.081 | -0.13            | 24.04                 | 25.00               | 0.153                   | Battery 1#            | /         |
| Left tilt  | 1413/1732.6              | RMC       | 0.044              | 0.025 | -0.06            | 24.04                 | 25.00               | 0.055                   | Battery 1#            | /         |
| Right cheek  | 1413/1732.6              | RMC       | 0.073              | 0.045 | -0.18            | 24.04                 | 25.00               | 0.092                   | Battery 1#            | /         |
| Right tilt   | 1413/1732.6              | RMC       | 0.047              | 0.027 | 0.00             | 24.04                 | 25.00               | 0.058                   | Battery 1#            | /         |
| Left cheek   | 1413/1732.6              | RMC       | 0.121              | 0.080 | -0.14            | 24.04                 | 25.00               | 0.151                   | Battery 2#            | /         |
| Left cheek   | 1413/1732.6              | RMC       | 0.111              | 0.064 | 0.10             | 24.04                 | 25.00               | 0.138                   | With SIM2             | /         |
| Left cheek   | 1312/1712.4              | RMC       | 0.113              | 0.066 | -0.19            | 23.90                 | 25.00               | 0.146                   | Battery 1#            | /         |
| Left cheek   | 1513/1752.6              | RMC       | 0.133              | 0.087 | -0.08            | 23.87                 | 25.00               | 0.173                   | Battery 1#            | /         |
| LYA-L0C Test at the worst case (Main Antenna)                          |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 1513/1752.6              | RMC       | 0.180              | 0.119 | -0.18            | 23.87                 | 25.00               | 0.233                   | Battery 1#            | Yes       |

Table 162: Head SAR test results of UMTS Band IV

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 1413/1732.6              | RMC       | 0.090              | 0.049 | -0.13            | 21.35                 | 22.50               | 0.118                   | Battery 1#            | /         |
| Back Side  | 15mm  | 1413/1732.6              | RMC       | 0.122              | 0.066 | -0.18            | 21.35                 | 22.50               | 0.159                   | Battery 1#            | /         |
| Back Side  | 15mm  | 1413/1732.6              | RMC       | 0.107              | 0.060 | -0.19            | 21.35                 | 22.50               | 0.139                   | Battery 2#            | /         |
| Back Side  | 15mm  | 1413/1732.6              | RMC       | 0.105              | 0.058 | -0.15            | 21.35                 | 22.50               | 0.137                   | With SIM2             | /         |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 1413/1732.6              | RMC       | 0.591              | 0.342 | -0.08            | 24.04                 | 25.00               | 0.737                   | Battery 1#            | /         |
| Back Side  | 15mm  | 1413/1732.6              | RMC       | 0.627              | 0.369 | -0.15            | 24.04                 | 25.00               | 0.782                   | Battery 1#            | /         |
| Back Side  | 15mm  | 1413/1732.6              | RMC       | 0.572              | 0.335 | -0.18            | 24.04                 | 25.00               | 0.714                   | Battery 2#            | /         |
| Back Side  | 15mm  | 1413/1732.6              | RMC       | 0.577              | 0.338 | -0.17            | 24.04                 | 25.00               | 0.720                   | With SIM2             | /         |
| LYA-L0C Test at the worst case (Second Antenna)                        |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 1413/1732.6              | RMC       | 0.089              | 0.048 | -0.18            | 21.35                 | 22.50               | 0.116                   | Battery 1#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                          |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 1413/1732.6              | RMC       | 0.731              | 0.431 | -0.16            | 24.04                 | 25.00               | 0.912                   | Battery 1#            | Yes       |
| Back Side  | 15mm  | 1312/1712.4              | RMC       | 0.714              | 0.424 | -0.16            | 23.90                 | 25.00               | 0.920                   | Battery 1#            | /         |
| Back Side  | 15mm  | 1513/1752.6              | RMC       | 0.728              | 0.430 | -0.10            | 23.87                 | 25.00               | 0.944                   | Battery 1#            | /         |

Table 163: Body-Worn SAR test results of UMTS Band IV

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 1413/1732.6              | RMC       | 0.206              | 0.105 | -0.18            | 20.38                 | 21.50               | 0.267                   | Battery 1#            | /         |
| Back Side  | 10mm  | 1413/1732.6              | RMC       | 0.211              | 0.111 | -0.14            | 20.38                 | 21.50               | 0.273                   | Battery 1#            | /         |
| Left Side  | 10mm  | 1413/1732.6              | RMC       | 0.017              | 0.009 | -0.10            | 20.38                 | 21.50               | 0.022                   | Battery 1#            | /         |
| Right Side   | 10mm  | 1413/1732.6              | RMC       | 0.012              | 0.007 | -0.17            | 20.38                 | 21.50               | 0.016                   | Battery 1#            | /         |
| Top Side   | 10mm  | 1413/1732.6              | RMC       | 0.264              | 0.124 | 0.17             | 20.38                 | 21.50               | 0.342                   | Battery 1#            | /         |
| Top Side   | 10mm  | 1413/1732.6              | RMC       | 0.267              | 0.125 | 0.09             | 20.38                 | 21.50               | 0.346                   | Battery 2#            | /         |
| Top Side   | 10mm  | 1413/1732.6              | RMC       | 0.244              | 0.114 | 0.18             | 20.38                 | 21.50               | 0.316                   | With SIM2             | /         |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 1413/1732.6              | RMC       | 0.309              | 0.163 | -0.04            | 17.48                 | 18.50               | 0.391                   | Battery 1#            | /         |
| Back Side  | 10mm  | 1413/1732.6              | RMC       | 0.332              | 0.180 | -0.13            | 17.48                 | 18.50               | 0.420                   | Battery 1#            | /         |
| Left Side  | 10mm  | 1413/1732.6              | RMC       | 0.019              | 0.011 | -0.16            | 17.48                 | 18.50               | 0.024                   | Battery 1#            | /         |
| Right Side   | 10mm  | 1413/1732.6              | RMC       | 0.044              | 0.024 | -0.16            | 17.48                 | 18.50               | 0.055                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 1413/1732.6              | RMC       | 0.529              | 0.277 | -0.17            | 17.48                 | 18.50               | 0.669                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 1413/1732.6              | RMC       | 0.533              | 0.279 | -0.19            | 17.48                 | 18.50               | 0.674                   | Battery 2#            | /         |
| Bottom Side  | 10mm  | 1413/1732.6              | RMC       | 0.495              | 0.249 | -0.19            | 17.48                 | 18.50               | 0.626                   | With SIM2             | /         |
| LYA-0C (NEW) Test at the worst case from original report(Second Antenna) |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Top Side   | 10mm  | 1413/1732.6              | RMC       | 0.138              | 0.068 | -0.17            | 20.38                 | 21.50               | 0.179                   | Battery 2#            | Yes       |
| LYA-0C (NEW) Test at the worst case from original report(Main Antenna)   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Bottom Side  | 10mm  | 1413/1732.6              | RMC       | 0.614              | 0.323 | -0.06            | 17.48                 | 18.50               | 0.777                   | Battery 2#            | Yes       |

Table 164: Hotspot SAR test results of UMTS Band IV

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-------------------------------------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                          |                                     |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)   |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Front Side   | 10mm  | 1413/1732.6              | RMC       | 0.206              | 0.105 | -0.18            | 20.38                 | 22.50               | 0.336                    | Yes                                 |
| Back Side  | 10mm  | 1413/1732.6              | RMC       | 0.211              | 0.111 | -0.14            | 20.38                 | 22.50               | 0.344                    | Yes                                 |
| Left Side  | 10mm  | 1413/1732.6              | RMC       | 0.017              | 0.009 | -0.10            | 20.38                 | 22.50               | 0.028                    | Yes                                 |
| Right Side   | 10mm  | 1413/1732.6              | RMC       | 0.012              | 0.007 | -0.17            | 20.38                 | 22.50               | 0.020                    | Yes                                 |
| Top Side   | 10mm  | 1413/1732.6              | RMC       | 0.264              | 0.124 | 0.17             | 20.38                 | 22.50               | 0.430                    | Yes                                 |
| Top Side   | 10mm  | 1413/1732.6              | RMC       | 0.267              | 0.125 | 0.09             | 20.38                 | 22.50               | 0.435                    | Yes                                 |
| Top Side   | 10mm  | 1413/1732.6              | RMC       | 0.244              | 0.114 | 0.18             | 20.38                 | 22.50               | 0.398                    | Yes                                 |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Front Side   | 10mm  | 1413/1732.6              | RMC       | 0.309              | 0.163 | -0.04            | 17.48                 | 25.00               | 1.746                    | No                                  |
| Back Side  | 10mm  | 1413/1732.6              | RMC       | 0.332              | 0.180 | -0.13            | 17.48                 | 25.00               | 1.876                    | No                                  |
| Left Side  | 10mm  | 1413/1732.6              | RMC       | 0.019              | 0.011 | -0.16            | 17.48                 | 25.00               | 0.105                    | Yes                                 |
| Right Side   | 10mm  | 1413/1732.6              | RMC       | 0.044              | 0.024 | -0.16            | 17.48                 | 25.00               | 0.247                    | Yes                                 |
| Bottom Side  | 10mm  | 1413/1732.6              | RMC       | 0.529              | 0.277 | -0.17            | 17.48                 | 25.00               | 2.989                    | No                                  |
| Bottom Side  | 10mm  | 1413/1732.6              | RMC       | 0.533              | 0.279 | -0.19            | 17.48                 | 25.00               | 3.011                    | No                                  |
| Bottom Side  | 10mm  | 1413/1732.6              | RMC       | 0.495              | 0.249 | -0.19            | 17.48                 | 25.00               | 2.796                    | No                                  |
| LYA-0C (NEW) Test at the worst case from original report(Second Antenna) |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Top Side   | 10mm  | 1413/1732.6              | RMC       | 0.138              | 0.068 | -0.17            | 20.38                 | 22.50               | 0.225                    | Yes                                 |
| LYA-0C (NEW) Test at the worst case from original report(Main Antenna)   |       |                          |           |                    |       |                  |                       |                     |                          |                                     |
| Bottom Side  | 10mm  | 1413/1732.6              | RMC       | 0.614              | 0.323 | -0.06            | 17.48                 | 25.00               | 3.469                    | No                                  |

Table 165: Product Specific 10-g SAR test reduction evaluation of UMTS Band IV

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Front Side, Back Side, Bottom Side

| Product Specific<br>10-g SAR  | Dist. | Test Channel<br>/Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift<br>(dB) | Conducted<br>Power<br>(dBm) | Tune-up<br>Power<br>(dBm) | Reported<br>10-g SAR<br>(W/kg) | Accessory<br>Information | SAR<br>Plot. |
|---|-------|-----------------------------|-----------|--------------------|-------|---------------------|-----------------------------|---------------------------|--------------------------------|--------------------------|--------------|
|   |       |                             |           | 1-g                | 10-g  |                     |                             |                           |                                |                          |              |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)          |       |                             |           |                    |       |                     |                             |                           |                                |                          |              |
| Main Antenna  |       |                             |           |                    |       |                     |                             |                           |                                |                          |              |
| Front Side  | 0mm   | 1413/1732.6                 | RMC       | 3.890              | 1.580 | 0.09                | 19.80                       | 20.50                     | 1.856                          | Battery 1#               | /            |
| Back Side   | 0mm   | 1413/1732.6                 | RMC       | 3.550              | 1.540 | -0.15               | 19.80                       | 20.50                     | 1.809                          | Battery 1#               | /            |
| Bottom Side   | 0mm   | 1413/1732.6                 | RMC       | 4.180              | 1.790 | 0.14                | 19.80                       | 20.50                     | 2.103                          | Battery 1#               | /            |
| Bottom Side   | 0mm   | 1312/1712.4                 | RMC       | 3.290              | 1.460 | -0.12               | 19.45                       | 20.50                     | 1.859                          | Battery 1#               | /            |
| Bottom Side   | 0mm   | 1513/1752.6                 | RMC       | 3.210              | 1.410 | -0.10               | 19.45                       | 20.50                     | 1.796                          | Battery 1#               | /            |
| Bottom Side   | 0mm   | 1413/1732.6                 | RMC       | 4.110              | 1.760 | -0.11               | 19.80                       | 20.50                     | 2.068                          | Battery 2#               | /            |
| Bottom Side   | 0mm   | 1413/1732.6                 | RMC       | 4.150              | 1.710 | -0.10               | 19.80                       | 20.50                     | 2.009                          | With SIM2                | /            |
| Additional SAR test at a conservative distance(triggering distance minus 1mm)   |       |                             |           |                    |       |                     |                             |                           |                                |                          |              |
| Front Side  | 3mm   | 1413/1732.6                 | RMC       | 3.890              | 1.770 | -0.10               | 24.04                       | 25.00                     | 2.208                          | Battery 1#               | /            |
| Front Side  | 3mm   | 1312/1712.4                 | RMC       | 2.570              | 1.360 | -0.16               | 23.90                       | 25.00                     | 1.752                          | Battery 1#               | /            |
| Front Side  | 3mm   | 1513/1752.6                 | RMC       | 3.100              | 1.620 | -0.16               | 23.87                       | 25.00                     | 2.101                          | Battery 1#               | /            |
| Back Side   | 4mm   | 1413/1732.6                 | RMC       | 3.990              | 1.870 | -0.18               | 24.04                       | 25.00                     | 2.333                          | Battery 1#               | /            |
| Back Side   | 4mm   | 1312/1712.4                 | RMC       | 3.340              | 1.460 | -0.12               | 23.90                       | 25.00                     | 1.881                          | Battery 1#               | /            |
| Back Side   | 4mm   | 1513/1752.6                 | RMC       | 4.270              | 2.000 | -0.18               | 23.87                       | 25.00                     | 2.594                          | Battery 1#               | /            |
| Bottom Side   | 8mm   | 1413/1732.6                 | RMC       | 4.780              | 2.230 | -0.10               | 24.04                       | 25.00                     | 2.782                          | Battery 1#               | /            |
| Bottom Side   | 8mm   | 1312/1712.4                 | RMC       | 3.230              | 1.500 | -0.11               | 23.90                       | 25.00                     | 1.932                          | Battery 1#               | /            |
| Bottom Side   | 8mm   | 1513/1752.6                 | RMC       | 4.870              | 2.270 | -0.15               | 23.87                       | 25.00                     | 2.945                          | Battery 1#               | /            |
| Bottom Side<br>Repeated   | 8mm   | 1513/1752.6                 | RMC       | 3.850              | 1.890 | 0.09                | 23.87                       | 25.00                     | 2.452                          | Battery 1#               | /            |
| LYA-L29,LYA-L09 (NEW) Test at the worst case from original report(Main Antenna) |       |                             |           |                    |       |                     |                             |                           |                                |                          |              |
| Bottom Side   | 8mm   | 1513/1752.6                 | RMC       | 4.100              | 2.050 | -0.11               | 23.87                       | 25.00                     | 2.659                          | Battery 1#               | Yes          |

Table 166: Product Specific 10-g SAR test results of UMTS Band IV

## 7.2.5 SAR measurement Result of UMTS Band V

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 4182/836.4               | RMC       | 0.358              | 0.198 | -0.18            | 18.99                 | 20.50               | 0.507                   | Battery 1#            | /         |
| Left tilt  | 4182/836.4               | RMC       | 0.278              | 0.181 | -0.17            | 18.99                 | 20.50               | 0.394                   | Battery 1#            | /         |
| Right cheek  | 4182/836.4               | RMC       | 0.350              | 0.206 | -0.08            | 18.99                 | 20.50               | 0.496                   | Battery 1#            | /         |
| Right tilt   | 4182/836.4               | RMC       | 0.290              | 0.172 | -0.06            | 18.99                 | 20.50               | 0.411                   | Battery 1#            | /         |
| Left cheek   | 4182/836.4               | RMC       | 0.394              | 0.212 | -0.05            | 18.99                 | 20.50               | 0.558                   | Battery 2#            | /         |
| Left cheek   | 4182/836.4               | RMC       | 0.360              | 0.197 | -0.04            | 18.99                 | 20.50               | 0.510                   | With SIM2             | /         |
| Left cheek   | 4132/826.4               | RMC       | 0.341              | 0.223 | -0.05            | 19.02                 | 20.50               | 0.479                   | Battery 2#            | /         |
| Left cheek   | 4233/846.6               | RMC       | 0.379              | 0.207 | -0.04            | 18.98                 | 20.50               | 0.538                   | Battery 2#            | /         |
| Main Antenna   |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 4182/836.4               | RMC       | 0.130              | 0.091 | -0.15            | 24.55                 | 25.00               | 0.144                   | Battery 1#            | /         |
| Left tilt  | 4182/836.4               | RMC       | 0.062              | 0.044 | -0.17            | 24.55                 | 25.00               | 0.069                   | Battery 1#            | /         |
| Right cheek  | 4182/836.4               | RMC       | 0.190              | 0.149 | -0.18            | 24.55                 | 25.00               | 0.211                   | Battery 1#            | /         |
| Right tilt   | 4182/836.4               | RMC       | 0.078              | 0.055 | -0.16            | 24.55                 | 25.00               | 0.087                   | Battery 1#            | /         |
| Right cheek  | 4182/836.4               | RMC       | 0.211              | 0.165 | -0.13            | 24.55                 | 25.00               | 0.234                   | Battery 2#            | /         |
| Right cheek  | 4182/836.4               | RMC       | 0.190              | 0.150 | 0.04             | 24.55                 | 25.00               | 0.211                   | With SIM2             | /         |
| Right cheek  | 4132/826.4               | RMC       | 0.156              | 0.107 | -0.15            | 24.47                 | 25.00               | 0.176                   | Battery 2#            | /         |
| Right cheek  | 4233/846.6               | RMC       | 0.224              | 0.176 | -0.16            | 24.42                 | 25.00               | 0.256                   | Battery 2#            | /         |
| LYA-0C (NEW) Test at the worst case from original report(Second Antenna) |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 4182/836.4               | RMC       | 0.361              | 0.191 | -0.08            | 18.99                 | 20.50               | 0.511                   | Battery 2#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                            |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Right cheek  | 4233/846.6               | RMC       | 0.228              | 0.178 | -0.11            | 24.42                 | 25.00               | 0.261                   | Battery 2#            | Yes       |

Table 167: Head SAR test results of UMTS Band V

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 4182/836.4               | RMC       | 0.132              | 0.089 | -0.13            | 23.55                 | 25.00               | 0.184                   | Battery 1#            | /         |
| Back Side  | 15mm  | 4182/836.4               | RMC       | 0.133              | 0.098 | -0.12            | 23.55                 | 25.00               | 0.186                   | Battery 1#            | /         |
| Back Side  | 15mm  | 4182/836.4               | RMC       | 0.139              | 0.102 | -0.15            | 23.55                 | 25.00               | 0.194                   | Battery 2#            | /         |
| Back Side  | 15mm  | 4182/836.4               | RMC       | 0.138              | 0.102 | -0.12            | 23.55                 | 25.00               | 0.193                   | With SIM2             | /         |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 4182/836.4               | RMC       | 0.167              | 0.115 | -0.17            | 24.55                 | 25.00               | 0.185                   | Battery 1#            | /         |
| Back Side  | 15mm  | 4182/836.4               | RMC       | 0.212              | 0.157 | -0.05            | 24.55                 | 25.00               | 0.235                   | Battery 1#            | /         |
| Back Side  | 15mm  | 4182/836.4               | RMC       | 0.246              | 0.182 | -0.04            | 24.55                 | 25.00               | 0.273                   | Battery 2#            | /         |
| Back Side  | 15mm  | 4182/836.4               | RMC       | 0.232              | 0.173 | -0.06            | 24.55                 | 25.00               | 0.257                   | With SIM2             | /         |
| LYA-0C (NEW) Test at the worst case from original report(Second Antenna) |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 4182/836.4               | RMC       | 0.130              | 0.095 | -0.15            | 23.55                 | 25.00               | 0.182                   | Battery 2#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                            |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 4182/836.4               | RMC       | 0.273              | 0.202 | -0.12            | 24.55                 | 25.00               | 0.303                   | Battery 2#            | Yes       |

Table 168: Body-Worn SAR test results of UMTS Band V

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 4182/836.4               | RMC       | 0.233              | 0.135 | -0.10            | 23.55                 | 25.00               | 0.325                   | Battery 1#            | /         |
| Back Side  | 10mm  | 4182/836.4               | RMC       | 0.243              | 0.140 | -0.12            | 23.55                 | 25.00               | 0.339                   | Battery 1#            | /         |
| Left Side  | 10mm  | 4182/836.4               | RMC       | 0.148              | 0.100 | -0.04            | 23.55                 | 25.00               | 0.207                   | Battery 1#            | /         |
| Right Side   | 10mm  | 4182/836.4               | RMC       | 0.036              | 0.024 | -0.17            | 23.55                 | 25.00               | 0.050                   | Battery 1#            | /         |
| Top Side   | 10mm  | 4182/836.4               | RMC       | 0.145              | 0.077 | 0.09             | 23.55                 | 25.00               | 0.202                   | Battery 1#            | /         |
| Back Side  | 10mm  | 4182/836.4               | RMC       | 0.260              | 0.149 | -0.10            | 23.55                 | 25.00               | 0.363                   | Battery 2#            | /         |
| Back Side  | 10mm  | 4182/836.4               | RMC       | 0.216              | 0.126 | -0.14            | 23.55                 | 25.00               | 0.302                   | With SIM2             | /         |
| Main Antenna   |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 4182/836.4               | RMC       | 0.237              | 0.163 | -0.17            | 24.55                 | 25.00               | 0.263                   | Battery 1#            | /         |
| Back Side  | 10mm  | 4182/836.4               | RMC       | 0.346              | 0.209 | -0.04            | 24.55                 | 25.00               | 0.384                   | Battery 1#            | /         |
| Left Side  | 10mm  | 4182/836.4               | RMC       | 0.077              | 0.052 | -0.11            | 24.55                 | 25.00               | 0.086                   | Battery 1#            | /         |
| Right Side   | 10mm  | 4182/836.4               | RMC       | 0.292              | 0.195 | -0.03            | 24.55                 | 25.00               | 0.324                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 4182/836.4               | RMC       | 0.147              | 0.084 | 0.14             | 24.55                 | 25.00               | 0.163                   | Battery 1#            | /         |
| Back Side  | 10mm  | 4182/836.4               | RMC       | 0.355              | 0.217 | -0.05            | 24.55                 | 25.00               | 0.394                   | Battery 2#            | /         |
| Back Side  | 10mm  | 4182/836.4               | RMC       | 0.328              | 0.201 | -0.05            | 24.55                 | 25.00               | 0.364                   | With SIM2             | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 4182/836.4               | RMC       | 0.258              | 0.150 | -0.15            | 23.55                 | 25.00               | 0.360                   | Battery 2#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |           |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 4182/836.4               | RMC       | 0.435              | 0.262 | -0.10            | 24.55                 | 25.00               | 0.482                   | Battery 2#            | Yes       |

Table 169: Hotspot SAR test results of UMTS Band V

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.



## 7.2.6 SAR measurement Result of LTE Band 2

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|-----------------------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna        |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek            | 19100/1900               | 20M QPSK 1RB#50   | 0.069              | 0.034 | -0.14            | 11.92                 | 13.00               | 0.088                   | Battery 1#            | /         |
| Left tilt             | 19100/1900               | 20M QPSK 1RB#50   | 0.089              | 0.042 | -0.04            | 11.92                 | 13.00               | 0.115                   | Battery 1#            | /         |
| Right cheek           | 19100/1900               | 20M QPSK 1RB#50   | 0.139              | 0.062 | -0.06            | 11.92                 | 13.00               | 0.178                   | Battery 1#            | /         |
| Right tilt            | 19100/1900               | 20M QPSK 1RB#50   | 0.169              | 0.074 | -0.19            | 11.92                 | 13.00               | 0.217                   | Battery 1#            | /         |
| Left cheek            | 18700/1860               | 20M QPSK 50%RB#0  | 0.065              | 0.034 | -0.11            | 11.76                 | 13.00               | 0.087                   | Battery 1#            | /         |
| Left tilt             | 18700/1860               | 20M QPSK 50%RB#0  | 0.082              | 0.040 | 0.03             | 11.76                 | 13.00               | 0.109                   | Battery 1#            | /         |
| Right cheek           | 18700/1860               | 20M QPSK 50%RB#0  | 0.140              | 0.059 | -0.11            | 11.76                 | 13.00               | 0.186                   | Battery 1#            | /         |
| Right tilt            | 18700/1860               | 20M QPSK 50%RB#0  | 0.159              | 0.070 | -0.16            | 11.76                 | 13.00               | 0.212                   | Battery 1#            | /         |
| Right tilt            | 19100/1900               | 20M QPSK 1RB#50   | 0.187              | 0.082 | -0.19            | 11.92                 | 13.00               | 0.240                   | Battery 2#            | /         |
| Right tilt            | 18700/1860               | 20M QPSK 1RB#50   | 0.187              | 0.082 | -0.18            | 11.81                 | 13.00               | 0.246                   | Battery 2#            | /         |
| Right tilt            | 18900/1880               | 20M QPSK 1RB#99   | 0.193              | 0.084 | -0.09            | 11.81                 | 13.00               | 0.254                   | Battery 2#            | Yes       |
| Main Antenna          |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek            | 18700/1860               | 20M QPSK 1RB#0    | 0.141              | 0.091 | -0.11            | 23.68                 | 24.50               | 0.170                   | Battery 1#            | /         |
| Left tilt             | 18700/1860               | 20M QPSK 1RB#0    | 0.060              | 0.033 | 0.00             | 23.68                 | 24.50               | 0.073                   | Battery 1#            | /         |
| Right cheek           | 18700/1860               | 20M QPSK 1RB#0    | 0.078              | 0.052 | -0.05            | 23.68                 | 24.50               | 0.094                   | Battery 1#            | /         |
| Right tilt            | 18700/1860               | 20M QPSK 1RB#0    | 0.069              | 0.039 | -0.06            | 23.68                 | 24.50               | 0.083                   | Battery 1#            | /         |
| Left cheek            | 18900/1880               | 20M QPSK 50%RB#25 | 0.102              | 0.058 | -0.16            | 22.56                 | 23.50               | 0.127                   | Battery 1#            | /         |
| Left tilt             | 18900/1880               | 20M QPSK 50%RB#25 | 0.039              | 0.021 | -0.13            | 22.56                 | 23.50               | 0.048                   | Battery 1#            | /         |
| Right cheek           | 18900/1880               | 20M QPSK 50%RB#25 | 0.061              | 0.037 | 0.04             | 22.56                 | 23.50               | 0.076                   | Battery 1#            | /         |
| Right tilt            | 18900/1880               | 20M QPSK 50%RB#25 | 0.057              | 0.031 | -0.16            | 22.56                 | 23.50               | 0.070                   | Battery 1#            | /         |
| Left cheek            | 18700/1860               | 20M QPSK 1RB#0    | 0.142              | 0.091 | 0.07             | 23.68                 | 24.50               | 0.172                   | Battery 2#            | Yes       |
| Left cheek            | 18900/1880               | 20M QPSK 1RB#0    | 0.136              | 0.087 | -0.13            | 23.63                 | 24.50               | 0.166                   | Battery 2#            | /         |
| Left cheek            | 19100/1900               | 20M QPSK 1RB#0    | 0.131              | 0.084 | -0.09            | 23.48                 | 24.50               | 0.166                   | Battery 2#            | /         |

Table 170: Head SAR test results of LTE Band 2

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|----------------------------|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                            |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna             |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side                 | 15mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.066              | 0.036 | -0.12            | 18.53                 | 19.50               | 0.083                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.068              | 0.038 | -0.10            | 18.53                 | 19.50               | 0.086                   | Battery 1#            | Yes       |
| Front Side                 | 15mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.052              | 0.028 | -0.05            | 18.39                 | 19.50               | 0.066                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.068              | 0.037 | -0.15            | 18.39                 | 19.50               | 0.087                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.055              | 0.030 | -0.18            | 18.39                 | 19.50               | 0.071                   | Battery 2#            | /         |
| Main Antenna               |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side                 | 15mm  | 18700/1860               | 20M QPSK 1RB#0    | 0.195              | 0.105 | -0.11            | 23.68                 | 24.50               | 0.236                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 18700/1860               | 20M QPSK 1RB#0    | 0.263              | 0.150 | -0.16            | 23.68                 | 24.50               | 0.318                   | Battery 1#            | /         |
| Front Side                 | 15mm  | 18900/1880               | 20M QPSK 50%RB#25 | 0.172              | 0.093 | -0.18            | 22.56                 | 23.50               | 0.214                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 18900/1880               | 20M QPSK 50%RB#25 | 0.207              | 0.115 | -0.02            | 22.56                 | 23.50               | 0.257                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 18700/1860               | 20M QPSK 1RB#0    | 0.266              | 0.152 | -0.04            | 23.68                 | 24.50               | 0.321                   | Battery 2#            | Yes       |

Table 171: Body-Worn SAR test results of LTE Band 2

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--------------------------|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                          |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna           |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side               | 10mm  | 19100/1900               | 20M QPSK 1RB#50   | 0.090              | 0.046 | -0.17            | 17.52                 | 18.50               | 0.113                   | Battery 1#            | /         |
| Back Side                | 10mm  | 19100/1900               | 20M QPSK 1RB#50   | 0.103              | 0.052 | -0.16            | 17.52                 | 18.50               | 0.129                   | Battery 1#            | /         |
| Left Side                | 10mm  | 19100/1900               | 20M QPSK 1RB#50   | 0.020              | 0.011 | -0.11            | 17.52                 | 18.50               | 0.026                   | Battery 1#            | /         |
| Right Side               | 10mm  | 19100/1900               | 20M QPSK 1RB#50   | 0.012              | 0.007 | -0.14            | 17.52                 | 18.50               | 0.015                   | Battery 1#            | /         |
| Top Side                 | 10mm  | 19100/1900               | 20M QPSK 1RB#50   | 0.191              | 0.095 | -0.15            | 17.52                 | 18.50               | 0.239                   | Battery 1#            | /         |
| Front Side               | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.096              | 0.049 | -0.06            | 17.42                 | 18.50               | 0.123                   | Battery 1#            | /         |
| Back Side                | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.108              | 0.055 | -0.18            | 17.42                 | 18.50               | 0.138                   | Battery 1#            | /         |
| Left Side                | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.020              | 0.011 | -0.12            | 17.42                 | 18.50               | 0.026                   | Battery 1#            | /         |
| Right Side               | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.011              | 0.006 | -0.03            | 17.42                 | 18.50               | 0.014                   | Battery 1#            | /         |
| Top Side                 | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.196              | 0.096 | -0.17            | 17.42                 | 18.50               | 0.251                   | Battery 1#            | Yes       |
| Top Side                 | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.123              | 0.063 | -0.02            | 17.42                 | 18.50               | 0.158                   | Battery 2#            | /         |
| Main Antenna             |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side               | 10mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.194              | 0.105 | -0.17            | 16.68                 | 17.50               | 0.234                   | Battery 1#            | /         |
| Back Side                | 10mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.252              | 0.134 | -0.14            | 16.68                 | 17.50               | 0.304                   | Battery 1#            | /         |
| Left Side                | 10mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.021              | 0.013 | -0.05            | 16.68                 | 17.50               | 0.026                   | Battery 1#            | /         |
| Right Side               | 10mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.031              | 0.018 | -0.07            | 16.68                 | 17.50               | 0.038                   | Battery 1#            | /         |
| Bottom Side              | 10mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.471              | 0.241 | -0.14            | 16.68                 | 17.50               | 0.569                   | Battery 1#            | Yes       |
| Front Side               | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.181              | 0.098 | -0.18            | 16.60                 | 17.50               | 0.223                   | Battery 1#            | /         |
| Back Side                | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.210              | 0.112 | -0.19            | 16.60                 | 17.50               | 0.258                   | Battery 1#            | /         |
| Left Side                | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.012              | 0.006 | 0.00             | 16.60                 | 17.50               | 0.015                   | Battery 1#            | /         |
| Right Side               | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.031              | 0.017 | -0.06            | 16.60                 | 17.50               | 0.038                   | Battery 1#            | /         |
| Bottom Side              | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.464              | 0.237 | -0.13            | 16.60                 | 17.50               | 0.571                   | Battery 1#            | /         |
| Bottom Side              | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.457              | 0.233 | 0.05             | 16.60                 | 17.50               | 0.562                   | Battery 2#            | /         |

Table 172: Hotspot SAR test results of LTE Band 2

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|--------------------------|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-------------------------------------|
|                          |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                          |                                     |
| Second Antenna           |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Front Side               | 10mm  | 19100/1900               | 20M QPSK 1RB#50   | 0.090              | 0.046 | -0.17            | 17.52                 | 19.50               | 0.142                    | Yes                                 |
| Back Side                | 10mm  | 19100/1900               | 20M QPSK 1RB#50   | 0.103              | 0.052 | -0.16            | 17.52                 | 19.50               | 0.162                    | Yes                                 |
| Left Side                | 10mm  | 19100/1900               | 20M QPSK 1RB#50   | 0.020              | 0.011 | -0.11            | 17.52                 | 19.50               | 0.032                    | Yes                                 |
| Right Side               | 10mm  | 19100/1900               | 20M QPSK 1RB#50   | 0.012              | 0.007 | -0.14            | 17.52                 | 19.50               | 0.019                    | Yes                                 |
| Top Side                 | 10mm  | 19100/1900               | 20M QPSK 1RB#50   | 0.191              | 0.095 | -0.15            | 17.52                 | 19.50               | 0.301                    | Yes                                 |
| Front Side               | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.096              | 0.049 | -0.06            | 17.42                 | 19.50               | 0.155                    | Yes                                 |
| Back Side                | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.108              | 0.055 | -0.18            | 17.42                 | 19.50               | 0.174                    | Yes                                 |
| Left Side                | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.020              | 0.011 | -0.12            | 17.42                 | 19.50               | 0.032                    | Yes                                 |
| Right Side               | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.011              | 0.006 | -0.03            | 17.42                 | 19.50               | 0.018                    | Yes                                 |
| Top Side                 | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.196              | 0.096 | -0.17            | 17.42                 | 19.50               | 0.316                    | Yes                                 |
| Top Side                 | 10mm  | 19100/1900               | 20M QPSK 50%RB#0  | 0.123              | 0.063 | -0.02            | 17.42                 | 19.50               | 0.199                    | Yes                                 |
| Main Antenna             |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Front Side               | 10mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.194              | 0.105 | -0.17            | 16.68                 | 24.50               | 1.174                    | Yes                                 |
| Back Side                | 10mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.252              | 0.134 | -0.14            | 16.68                 | 24.50               | 1.525                    | No                                  |
| Left Side                | 10mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.021              | 0.013 | -0.05            | 16.68                 | 24.50               | 0.128                    | Yes                                 |
| Right Side               | 10mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.031              | 0.018 | -0.07            | 16.68                 | 24.50               | 0.188                    | Yes                                 |
| Bottom Side              | 10mm  | 19100/1900               | 20M QPSK 1RB#0    | 0.471              | 0.241 | -0.14            | 16.68                 | 24.50               | 2.851                    | No                                  |
| Front Side               | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.181              | 0.098 | -0.18            | 16.60                 | 23.50               | 0.886                    | Yes                                 |
| Back Side                | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.210              | 0.112 | -0.19            | 16.60                 | 23.50               | 1.029                    | Yes                                 |
| Left Side                | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.012              | 0.006 | 0.00             | 16.60                 | 23.50               | 0.060                    | Yes                                 |
| Right Side               | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.031              | 0.017 | -0.06            | 16.60                 | 23.50               | 0.152                    | Yes                                 |
| Bottom Side              | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.464              | 0.237 | -0.13            | 16.60                 | 23.50               | 2.273                    | No                                  |
| Bottom Side              | 10mm  | 19100/1900               | 20M QPSK 50%RB#25 | 0.457              | 0.233 | 0.05             | 16.60                 | 23.50               | 2.238                    | No                                  |

Table 173: Product Specific 10-g SAR test reduction evaluation of LTE Band 2

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Back Side, Bottom Side

| Product Specific 10-g SAR   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
|   |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                          |                       |           |
| Main Antenna  |       |                          |                   |                    |       |                  |                       |                     |                          |                       |           |
| Back Side   | 0mm   | 18700/1860               | 20M QPSK 1RB#0    | 3.810              | 1.620 | -0.06            | 19.80                 | 20.50               | 1.903                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 18700/1860               | 20M QPSK 1RB#0    | 3.600              | 1.550 | -0.11            | 19.80                 | 20.50               | 1.821                    | Battery 1#            | /         |
| Back Side   | 0mm   | 18900/1880               | 20M QPSK 50%RB#0  | 2.720              | 1.150 | -0.08            | 19.63                 | 20.50               | 1.405                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 18900/1880               | 20M QPSK 50%RB#0  | 3.450              | 1.480 | -0.13            | 19.63                 | 20.50               | 1.808                    | Battery 1#            | /         |
| Back Side   | 0mm   | 18700/1860               | 20M QPSK 1RB#0    | 3.670              | 1.520 | 0.03             | 19.80                 | 20.50               | 1.786                    | Battery 2#            | /         |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) |       |                          |                   |                    |       |                  |                       |                     |                          |                       |           |
| Back Side   | 4mm   | 18700/1860               | 20M QPSK 1RB#0    | 4.470              | 2.040 | 0.03             | 23.68                 | 24.50               | 2.464                    | Battery 1#            | /         |
| Back Side Repeat  | 4mm   | 18700/1860               | 20M QPSK 1RB#0    | 3.810              | 1.790 | -0.10            | 23.68                 | 24.50               | 2.162                    | Battery 1#            | /         |
| Back Side   | 4mm   | 18900/1880               | 20M QPSK 1RB#0    | 4.540              | 2.060 | -0.01            | 23.63                 | 24.50               | 2.517                    | Battery 1#            | Yes       |
| Back Side   | 4mm   | 19100/1900               | 20M QPSK 1RB#0    | 4.400              | 1.980 | -0.11            | 23.48                 | 24.50               | 2.504                    | Battery 1#            | /         |
| Bottom Side   | 8mm   | 18700/1860               | 20M QPSK 1RB#0    | 3.270              | 1.620 | -0.11            | 23.68                 | 24.50               | 1.957                    | Battery 1#            | /         |
| Back Side   | 4mm   | 18900/1880               | 20M QPSK 50%RB#25 | 3.500              | 1.570 | 0.08             | 22.56                 | 23.50               | 1.589                    | Battery 1#            | /         |
| Bottom Side   | 8mm   | 18900/1880               | 20M QPSK 50%RB#25 | 2.590              | 1.280 | -0.10            | 22.56                 | 23.50               | 1.689                    | Battery 1#            | /         |
| Back Side   | 4mm   | 18900/1880               | 20M QPSK 100%RB#0 | 2.960              | 1.360 | -0.09            | 22.53                 | 24.50               | 2.141                    | Battery 1#            | /         |

Table 174: Product Specific 10-g SAR test results of LTE Band 2

## 7.2.7 SAR measurement Result of LTE Band 4

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 20050/1720               | 20M QPSK 1RB#99   | 0.172              | 0.089 | -0.19            | 13.12                 | 14.00               | 0.211                   | Battery 1#            | /         |
| Left tilt  | 20050/1720               | 20M QPSK 1RB#99   | 0.131              | 0.067 | -0.04            | 13.12                 | 14.00               | 0.160                   | Battery 1#            | /         |
| Right cheek  | 20050/1720               | 20M QPSK 1RB#99   | 0.223              | 0.107 | -0.06            | 13.12                 | 14.00               | 0.273                   | Battery 1#            | /         |
| Right tilt   | 20050/1720               | 20M QPSK 1RB#99   | 0.196              | 0.092 | -0.03            | 13.12                 | 14.00               | 0.240                   | Battery 1#            | /         |
| Left cheek   | 20050/1720               | 20M QPSK 50%RB#0  | 0.178              | 0.093 | -0.08            | 12.87                 | 14.00               | 0.231                   | Battery 1#            | /         |
| Left tilt  | 20050/1720               | 20M QPSK 50%RB#0  | 0.136              | 0.069 | -0.06            | 12.87                 | 14.00               | 0.176                   | Battery 1#            | /         |
| Right cheek  | 20050/1720               | 20M QPSK 50%RB#0  | 0.202              | 0.099 | -0.04            | 12.87                 | 14.00               | 0.262                   | Battery 1#            | /         |
| Right tilt   | 20050/1720               | 20M QPSK 50%RB#0  | 0.198              | 0.093 | -0.03            | 12.87                 | 14.00               | 0.257                   | Battery 1#            | /         |
| Right cheek  | 20050/1720               | 20M QPSK 1RB#99   | 0.233              | 0.113 | 0.17             | 13.12                 | 14.00               | 0.285                   | Battery 2#            | /         |
| Right cheek  | 20050/1720               | 20M QPSK 1RB#99   | 0.230              | 0.112 | 0.18             | 13.12                 | 14.00               | 0.282                   | With SIM2             | /         |
| Right cheek  | 20175/1732.5             | 20M QPSK 1RB#99   | 0.261              | 0.125 | -0.05            | 12.68                 | 14.00               | 0.354                   | Battery 2#            | /         |
| Right cheek  | 20300/1745               | 20M QPSK 1RB#50   | 0.283              | 0.133 | -0.13            | 12.87                 | 14.00               | 0.367                   | Battery 2#            | /         |
| Main Antenna   |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 20300/1745               | 20M QPSK 1RB#0    | 0.121              | 0.080 | -0.08            | 23.45                 | 24.50               | 0.154                   | Battery 1#            | /         |
| Left tilt  | 20300/1745               | 20M QPSK 1RB#0    | 0.035              | 0.019 | -0.08            | 23.45                 | 24.50               | 0.044                   | Battery 1#            | /         |
| Right cheek  | 20300/1745               | 20M QPSK 1RB#0    | 0.065              | 0.039 | -0.04            | 23.45                 | 24.50               | 0.083                   | Battery 1#            | /         |
| Right tilt   | 20300/1745               | 20M QPSK 1RB#0    | 0.040              | 0.023 | -0.17            | 23.45                 | 24.50               | 0.051                   | Battery 1#            | /         |
| Left cheek   | 20175/1732.5             | 20M QPSK 50%RB#50 | 0.084              | 0.049 | -0.09            | 22.47                 | 23.50               | 0.106                   | Battery 1#            | /         |
| Left tilt  | 20175/1732.5             | 20M QPSK 50%RB#50 | 0.029              | 0.016 | -0.11            | 22.47                 | 23.50               | 0.037                   | Battery 1#            | /         |
| Right cheek  | 20175/1732.5             | 20M QPSK 50%RB#50 | 0.046              | 0.028 | 0.14             | 22.47                 | 23.50               | 0.058                   | Battery 1#            | /         |
| Right tilt   | 20175/1732.5             | 20M QPSK 50%RB#50 | 0.029              | 0.017 | -0.13            | 22.47                 | 23.50               | 0.037                   | Battery 1#            | /         |
| Left cheek   | 20300/1745               | 20M QPSK 1RB#0    | 0.098              | 0.065 | -0.18            | 23.45                 | 24.50               | 0.125                   | Battery 2#            | /         |
| Left cheek   | 20300/1745               | 20M QPSK 1RB#0    | 0.113              | 0.075 | -0.13            | 23.45                 | 24.50               | 0.144                   | With SIM2             | /         |
| Left cheek   | 20050/1720               | 20M QPSK 1RB#0    | 0.081              | 0.047 | -0.09            | 23.41                 | 24.50               | 0.104                   | Battery 1#            | /         |
| Left cheek   | 20175/1732.5             | 20M QPSK 1RB#50   | 0.083              | 0.048 | -0.07            | 23.38                 | 24.50               | 0.107                   | Battery 1#            | /         |
| LYA-L0C Test at the worst case (Second Antenna)                        |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Right cheek  | 20300/1745               | 20M QPSK 1RB#50   | 0.168              | 0.079 | -0.11            | 12.87                 | 14.00               | 0.218                   | Battery 2#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                          |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 20300/1745               | 20M QPSK 1RB#0    | 0.139              | 0.092 | -0.12            | 23.45                 | 24.50               | 0.177                   | Battery 1#            | Yes       |

Table 175: Head SAR test results of LTE Band 4

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.051              | 0.027 | -0.11            | 20.25                 | 21.00               | 0.060                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.079              | 0.043 | -0.02            | 20.25                 | 21.00               | 0.093                   | Battery 1#            | /         |
| Front Side   | 15mm  | 20050/1720               | 20M QPSK 50%RB#25 | 0.049              | 0.027 | -0.16            | 19.78                 | 21.00               | 0.065                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20050/1720               | 20M QPSK 50%RB#25 | 0.082              | 0.045 | -0.16            | 19.78                 | 21.00               | 0.109                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20050/1720               | 20M QPSK 50%RB#25 | 0.061              | 0.033 | 0.02             | 19.78                 | 21.00               | 0.081                   | Battery 2#            | /         |
| Back Side  | 15mm  | 20050/1720               | 20M QPSK 50%RB#25 | 0.063              | 0.035 | -0.19            | 19.78                 | 21.00               | 0.084                   | With SIM2             | /         |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.498              | 0.288 | -0.09            | 23.45                 | 24.50               | 0.634                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.563              | 0.330 | -0.01            | 23.45                 | 24.50               | 0.717                   | Battery 1#            | /         |
| Front Side   | 15mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.324              | 0.186 | -0.12            | 22.47                 | 23.50               | 0.411                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.418              | 0.245 | 0.01             | 22.47                 | 23.50               | 0.530                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.625              | 0.364 | 0.03             | 23.45                 | 24.50               | 0.796                   | Battery 2#            | /         |
| Back Side  | 15mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.606              | 0.354 | -0.04            | 23.45                 | 24.50               | 0.772                   | With SIM2             | /         |
| LYA-L0C Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 20050/1720               | 20M QPSK 50%RB#25 | 0.092              | 0.052 | -0.01            | 19.78                 | 21.00               | 0.122                   | Battery 1#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.743              | 0.435 | -0.10            | 23.45                 | 24.50               | 0.946                   | Battery 2#            | Yes       |
| Back Side  | 15mm  | 20050/1720               | 20M QPSK 1RB#0    | 0.606              | 0.354 | -0.04            | 23.41                 | 24.50               | 0.779                   | Battery 2#            | /         |
| Back Side  | 15mm  | 20175/1732.5             | 20M QPSK 1RB#50   | 0.551              | 0.323 | -0.11            | 23.38                 | 24.50               | 0.713                   | Battery 2#            | /         |
| Back Side  | 15mm  | 20175/1732.5             | 20M QPSK 100%RB#0 | 0.609              | 0.357 | -0.05            | 22.41                 | 23.50               | 0.783                   | Battery 2#            | /         |

Table 176: Body-Worn SAR test results of LTE Band 4

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.085              | 0.046 | -0.16            | 18.60                 | 19.50               | 0.104                   | Battery 1#            | /         |
| Back Side  | 10mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.134              | 0.070 | -0.14            | 18.60                 | 19.50               | 0.165                   | Battery 1#            | /         |
| Left Side  | 10mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.010              | 0.006 | -0.12            | 18.60                 | 19.50               | 0.012                   | Battery 1#            | /         |
| Right Side   | 10mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.018              | 0.008 | -0.17            | 18.60                 | 19.50               | 0.023                   | Battery 1#            | /         |
| Top Side   | 10mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.128              | 0.060 | -0.19            | 18.60                 | 19.50               | 0.157                   | Battery 1#            | /         |
| Front Side   | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.092              | 0.050 | -0.14            | 18.35                 | 19.50               | 0.120                   | Battery 1#            | /         |
| Back Side  | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.143              | 0.075 | -0.13            | 18.35                 | 19.50               | 0.186                   | Battery 1#            | /         |
| Left Side  | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.011              | 0.006 | 0.06             | 18.35                 | 19.50               | 0.014                   | Battery 1#            | /         |
| Right Side   | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.009              | 0.004 | 0.16             | 18.35                 | 19.50               | 0.011                   | Battery 1#            | /         |
| Top Side   | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.084              | 0.039 | -0.14            | 18.35                 | 19.50               | 0.109                   | Battery 1#            | /         |
| Back Side  | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.096              | 0.051 | -0.08            | 18.35                 | 19.50               | 0.125                   | Battery 2#            | /         |
| Back Side  | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.129              | 0.068 | 0.03             | 18.35                 | 19.50               | 0.168                   | With SIM2             | /         |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.217              | 0.120 | -0.09            | 17.76                 | 18.50               | 0.257                   | Battery 1#            | /         |
| Back Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.303              | 0.165 | -0.12            | 17.76                 | 18.50               | 0.359                   | Battery 1#            | /         |
| Left Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.017              | 0.010 | -0.16            | 17.76                 | 18.50               | 0.020                   | Battery 1#            | /         |
| Right Side   | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.036              | 0.019 | -0.19            | 17.76                 | 18.50               | 0.042                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.491              | 0.257 | 0.04             | 17.76                 | 18.50               | 0.582                   | Battery 1#            | /         |
| Front Side   | 10mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.231              | 0.128 | -0.11            | 17.70                 | 18.50               | 0.278                   | Battery 1#            | /         |
| Back Side  | 10mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.245              | 0.129 | -0.18            | 17.70                 | 18.50               | 0.295                   | Battery 1#            | /         |
| Left Side  | 10mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.015              | 0.009 | -0.10            | 17.70                 | 18.50               | 0.017                   | Battery 1#            | /         |
| Right Side   | 10mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.034              | 0.017 | -0.11            | 17.70                 | 18.50               | 0.041                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.464              | 0.242 | 0.03             | 17.70                 | 18.50               | 0.558                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.482              | 0.253 | 0.10             | 17.76                 | 18.50               | 0.572                   | Battery 2#            | /         |
| Bottom Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.436              | 0.220 | -0.06            | 17.76                 | 18.50               | 0.517                   | With SIM2             | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.133              | 0.070 | -0.19            | 18.35                 | 19.50               | 0.173                   | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Bottom Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.560              | 0.297 | -0.04            | 17.10                 | 18.00               | 0.689                   | Battery 1#            | Yes       |

Table 177: Hotspot SAR test results of LTE Band 4



Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-------------------------------------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                          |                                     |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Front Side   | 10mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.085              | 0.046 | -0.16            | 18.60                 | 21.00               | 0.147                    | Yes                                 |
| Back Side  | 10mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.134              | 0.070 | -0.14            | 18.60                 | 21.00               | 0.233                    | Yes                                 |
| Left Side  | 10mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.010              | 0.006 | -0.12            | 18.60                 | 21.00               | 0.018                    | Yes                                 |
| Right Side   | 10mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.018              | 0.008 | -0.17            | 18.60                 | 21.00               | 0.032                    | Yes                                 |
| Top Side   | 10mm  | 20050/1720               | 20M QPSK 1RB#50   | 0.128              | 0.060 | -0.19            | 18.60                 | 21.00               | 0.222                    | Yes                                 |
| Front Side   | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.092              | 0.050 | -0.14            | 18.35                 | 21.00               | 0.169                    | Yes                                 |
| Back Side  | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.143              | 0.075 | -0.13            | 18.35                 | 21.00               | 0.263                    | Yes                                 |
| Left Side  | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.011              | 0.006 | 0.06             | 18.35                 | 21.00               | 0.020                    | Yes                                 |
| Right Side   | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.009              | 0.004 | 0.16             | 18.35                 | 21.00               | 0.016                    | Yes                                 |
| Top Side   | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.084              | 0.039 | -0.14            | 18.35                 | 21.00               | 0.154                    | Yes                                 |
| Back Side  | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.096              | 0.051 | -0.08            | 18.35                 | 21.00               | 0.177                    | Yes                                 |
| Back Side  | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.129              | 0.068 | 0.03             | 18.35                 | 21.00               | 0.237                    | Yes                                 |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Front Side   | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.217              | 0.120 | -0.09            | 17.76                 | 24.50               | 1.024                    | Yes                                 |
| Back Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.303              | 0.165 | -0.12            | 17.76                 | 24.50               | 1.430                    | No                                  |
| Left Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.017              | 0.010 | -0.16            | 17.76                 | 24.50               | 0.080                    | Yes                                 |
| Right Side   | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.036              | 0.019 | -0.19            | 17.76                 | 24.50               | 0.169                    | Yes                                 |
| Bottom Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.491              | 0.257 | 0.04             | 17.76                 | 24.50               | 2.318                    | No                                  |
| Front Side   | 10mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.231              | 0.128 | -0.11            | 17.70                 | 23.50               | 0.878                    | Yes                                 |
| Back Side  | 10mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.245              | 0.129 | -0.18            | 17.70                 | 23.50               | 0.931                    | Yes                                 |
| Left Side  | 10mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.015              | 0.009 | -0.10            | 17.70                 | 23.50               | 0.055                    | Yes                                 |
| Right Side   | 10mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.034              | 0.017 | -0.11            | 17.70                 | 23.50               | 0.129                    | Yes                                 |
| Bottom Side  | 10mm  | 20175/1732.5             | 20M QPSK 50%RB#0  | 0.464              | 0.242 | 0.03             | 17.70                 | 23.50               | 1.764                    | No                                  |
| Bottom Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.482              | 0.253 | 0.10             | 17.76                 | 24.50               | 2.275                    | No                                  |
| Bottom Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.436              | 0.220 | -0.06            | 17.76                 | 23.50               | 1.635                    | No                                  |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Back Side  | 10mm  | 20050/1720               | 20M QPSK 50%RB#50 | 0.133              | 0.070 | -0.19            | 18.35                 | 21.00               | 0.245                    | Yes                                 |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Bottom Side  | 10mm  | 20300/1745               | 20M QPSK 1RB#0    | 0.560              | 0.297 | -0.04            | 17.10                 | 24.50               | 3.077                    | No                                  |

Table 178: Product Specific 10-g SAR test reduction evaluation of LTE Band 4

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Back Side, Bottom Side(Main antenna)

| Product Specific 10-g SAR   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
|   |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                          |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2)        |       |                          |                   |                    |       |                  |                       |                     |                          |                       |           |
| Main Antenna  |       |                          |                   |                    |       |                  |                       |                     |                          |                       |           |
| Back Side   | 0mm   | 20300/1745               | 20M QPSK 1RB#0    | 2.740              | 1.300 | 0.17             | 20.18                 | 21.00               | 1.570                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 20300/1745               | 20M QPSK 1RB#0    | 4.730              | 2.060 | 0.10             | 20.18                 | 21.00               | 2.488                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 20050/1720               | 20M QPSK 1RB#99   | 4.700              | 1.930 | -0.19            | 19.97                 | 21.00               | 2.447                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 20175/1732.5             | 20M QPSK 1RB#50   | 4.380              | 1.800 | -0.14            | 20.08                 | 21.00               | 2.225                    | Battery 1#            | /         |
| Back Side   | 0mm   | 20175/1732.5             | 20M QPSK 50%RB#50 | 2.630              | 1.260 | 0.18             | 20.01                 | 21.00               | 1.583                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 20175/1732.5             | 20M QPSK 50%RB#50 | 4.750              | 1.940 | -0.10            | 20.01                 | 21.00               | 2.437                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 20050/1720               | 20M QPSK 50%RB#25 | 4.650              | 1.990 | -0.15            | 19.83                 | 21.00               | 2.605                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 20300/1745               | 20M QPSK 50%RB#50 | 4.770              | 1.950 | -0.11            | 19.91                 | 21.00               | 2.506                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 20300/1745               | 20M QPSK 100%RB#0 | 4.860              | 1.980 | -0.12            | 19.99                 | 21.00               | 2.498                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 20050/1720               | 20M QPSK 50%RB#25 | 5.510              | 2.330 | -0.18            | 19.83                 | 21.00               | 3.050                    | Battery 2#            | /         |
| Bottom Side Repeated  | 0mm   | 20050/1720               | 20M QPSK 50%RB#25 | 4.980              | 2.110 | -0.11            | 19.83                 | 21.00               | 2.762                    | Battery 2#            | /         |
| Bottom Side   | 0mm   | 20050/1720               | 20M QPSK 50%RB#25 | 5.080              | 2.160 | -0.11            | 19.83                 | 21.00               | 2.828                    | With SIM2             | /         |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) |       |                          |                   |                    |       |                  |                       |                     |                          |                       |           |
| Back Side   | 4mm   | 20300/1745               | 20M QPSK 1RB#0    | 4.020              | 1.900 | -0.15            | 23.45                 | 24.50               | 2.420                    | Battery 1#            | /         |
| Back Side   | 4mm   | 20050/1720               | 20M QPSK 1RB#0    | 3.170              | 1.370 | -0.16            | 23.41                 | 24.50               | 1.761                    | Battery 1#            | /         |
| Back Side   | 4mm   | 20175/1732.5             | 20M QPSK 1RB#50   | 2.830              | 1.200 | -0.08            | 23.38                 | 24.50               | 1.553                    | Battery 1#            | /         |
| Bottom Side   | 8mm   | 20300/1745               | 20M QPSK 1RB#0    | 4.260              | 2.010 | -0.11            | 23.45                 | 24.50               | 2.560                    | Battery 1#            | /         |
| Bottom Side   | 8mm   | 20050/1720               | 20M QPSK 1RB#0    | 3.250              | 1.480 | -0.09            | 23.41                 | 24.50               | 1.902                    | Battery 1#            | /         |
| Bottom Side   | 8mm   | 20175/1732.5             | 20M QPSK 1RB#50   | 3.220              | 1.470 | -0.09            | 23.38                 | 24.50               | 1.902                    | Battery 1#            | /         |
| Back Side   | 4mm   | 20175/1732.5             | 20M QPSK 50%RB#0  | 2.070              | 0.974 | -0.07            | 22.47                 | 23.50               | 1.235                    | Battery 1#            | /         |
| Bottom Side   | 8mm   | 20175/1732.5             | 20M QPSK 50%RB#0  | 2.420              | 1.130 | 0.06             | 22.47                 | 23.50               | 1.432                    | Battery 1#            | /         |
| Back Side   | 4mm   | 20175/1732.5             | 20M QPSK 100%RB#0 | 3.650              | 1.750 | -0.18            | 22.41                 | 23.50               | 2.249                    | Battery 1#            | /         |
| Bottom Side   | 8mm   | 20175/1732.5             | 20M QPSK 100%RB#0 | 2.450              | 1.150 | 0.07             | 22.41                 | 23.50               | 1.478                    | Battery 1#            | /         |
| LYA-L0C Test at the worst case (Main Antenna)                                 |       |                          |                   |                    |       |                  |                       |                     |                          |                       |           |
| Bottom Side   | 0mm   | 20050/1720               | 20M QPSK 50%RB#25 | 3.530              | 1.490 | 0.11             | 18.46                 | 19.50               | 1.893                    | Battery 2#            | Yes       |

Table 179: Product Specific 10-g SAR SAR test results of LTE Band 4

## 7.2.8 SAR measurement Result of LTE Band 5

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 20525/836.5              | 10M QPSK 1RB#0    | 0.318              | 0.171 | 0.18             | 18.99                 | 20.00               | 0.401                   | Battery 1#            | /         |
| Left tilt  | 20525/836.5              | 10M QPSK 1RB#0    | 0.236              | 0.147 | -0.16            | 18.99                 | 20.00               | 0.298                   | Battery 1#            | /         |
| Right cheek  | 20525/836.5              | 10M QPSK 1RB#0    | 0.283              | 0.170 | -0.03            | 18.99                 | 20.00               | 0.357                   | Battery 1#            | /         |
| Right tilt   | 20525/836.5              | 10M QPSK 1RB#0    | 0.197              | 0.127 | 0.03             | 18.99                 | 20.00               | 0.249                   | Battery 1#            | /         |
| Left cheek   | 20450/829                | 10M QPSK 50%RB#25 | 0.305              | 0.191 | -0.15            | 18.99                 | 20.00               | 0.385                   | Battery 1#            | /         |
| Left tilt  | 20450/829                | 10M QPSK 50%RB#25 | 0.222              | 0.138 | -0.04            | 18.99                 | 20.00               | 0.280                   | Battery 1#            | /         |
| Right cheek  | 20450/829                | 10M QPSK 50%RB#25 | 0.234              | 0.158 | 0.09             | 18.99                 | 20.00               | 0.295                   | Battery 1#            | /         |
| Right tilt   | 20450/829                | 10M QPSK 50%RB#25 | 0.184              | 0.119 | 0.06             | 18.99                 | 20.00               | 0.232                   | Battery 1#            | /         |
| Left cheek   | 20525/836.5              | 10M QPSK 1RB#0    | 0.324              | 0.177 | 0.14             | 18.99                 | 20.00               | 0.409                   | Battery 2#            | /         |
| Left cheek   | 20525/836.5              | 10M QPSK 1RB#0    | 0.320              | 0.171 | -0.05            | 18.99                 | 20.00               | 0.404                   | With SIM2             | /         |
| Left cheek   | 20450/829                | 10M QPSK 1RB#49   | 0.300              | 0.186 | -0.12            | 18.89                 | 20.00               | 0.387                   | Battery 2#            | /         |
| Left cheek   | 20600/844                | 10M QPSK 1RB#0    | 0.385              | 0.206 | 0.14             | 18.73                 | 20.00               | 0.516                   | Battery 2#            | /         |
| Main Antenna   |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 20450/829                | 10M QPSK 1RB#25   | 0.128              | 0.089 | -0.16            | 23.97                 | 25.00               | 0.162                   | Battery 1#            | /         |
| Left tilt  | 20450/829                | 10M QPSK 1RB#25   | 0.076              | 0.056 | -0.18            | 23.97                 | 25.00               | 0.097                   | Battery 1#            | /         |
| Right cheek  | 20450/829                | 10M QPSK 1RB#25   | 0.185              | 0.145 | -0.03            | 23.97                 | 25.00               | 0.235                   | Battery 1#            | /         |
| Right tilt   | 20450/829                | 10M QPSK 1RB#25   | 0.072              | 0.051 | -0.15            | 23.97                 | 25.00               | 0.092                   | Battery 1#            | /         |
| Left cheek   | 20450/829                | 10M QPSK 50%RB#25 | 0.108              | 0.075 | -0.11            | 22.90                 | 24.00               | 0.139                   | Battery 1#            | /         |
| Left tilt  | 20450/829                | 10M QPSK 50%RB#25 | 0.060              | 0.047 | -0.17            | 22.90                 | 24.00               | 0.078                   | Battery 1#            | /         |
| Right cheek  | 20450/829                | 10M QPSK 50%RB#25 | 0.171              | 0.117 | -0.17            | 22.90                 | 24.00               | 0.220                   | Battery 1#            | /         |
| Right tilt   | 20450/829                | 10M QPSK 50%RB#25 | 0.062              | 0.044 | -0.15            | 22.90                 | 24.00               | 0.080                   | Battery 1#            | /         |
| Right cheek  | 20450/829                | 10M QPSK 1RB#25   | 0.178              | 0.137 | -0.14            | 23.97                 | 25.00               | 0.226                   | Battery 2#            | /         |
| Right cheek  | 20450/829                | 10M QPSK 1RB#25   | 0.142              | 0.097 | -0.19            | 23.97                 | 25.00               | 0.180                   | With SIM2             | /         |
| Right cheek  | 20525/836.5              | 10M QPSK 1RB#0    | 0.164              | 0.113 | -0.14            | 23.89                 | 25.00               | 0.212                   | Battery 1#            | /         |
| Right cheek  | 20600/844                | 10M QPSK 1RB#49   | 0.222              | 0.174 | 0.03             | 23.76                 | 25.00               | 0.295                   | Battery 1#            | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 20600/844                | 10M QPSK 1RB#0    | 0.364              | 0.201 | -0.14            | 18.73                 | 20.00               | 0.488                   | Battery 2#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Right cheek  | 20600/844                | 10M QPSK 1RB#49   | 0.234              | 0.183 | -0.10            | 23.76                 | 25.00               | 0.311                   | Battery 1#            | Yes       |

Table 180: Head SAR test results of LTE Band 5

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 20450/829                | 10M QPSK 1RB#49   | 0.102              | 0.074 | -0.15            | 23.44                 | 24.50               | 0.130                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20450/829                | 10M QPSK 1RB#49   | 0.096              | 0.065 | -0.14            | 23.44                 | 24.50               | 0.122                   | Battery 1#            | /         |
| Front Side   | 15mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.114              | 0.083 | -0.09            | 22.40                 | 23.50               | 0.147                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.107              | 0.073 | -0.17            | 22.40                 | 23.50               | 0.138                   | Battery 1#            | /         |
| Front Side   | 15mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.133              | 0.095 | -0.04            | 22.40                 | 23.50               | 0.171                   | Battery 2#            | /         |
| Front Side   | 15mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.107              | 0.073 | -0.07            | 22.40                 | 23.50               | 0.138                   | With SIM2             | /         |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 20450/829                | 10M QPSK 1RB#25   | 0.167              | 0.117 | -0.18            | 23.97                 | 25.00               | 0.212                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20450/829                | 10M QPSK 1RB#25   | 0.219              | 0.161 | -0.08            | 23.97                 | 25.00               | 0.278                   | Battery 1#            | /         |
| Front Side   | 15mm  | 20450/829                | 10M QPSK 50%RB#25 | 0.146              | 0.101 | -0.16            | 22.90                 | 24.00               | 0.188                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20450/829                | 10M QPSK 50%RB#25 | 0.184              | 0.125 | -0.10            | 22.90                 | 24.00               | 0.237                   | Battery 1#            | /         |
| Back Side  | 15mm  | 20450/829                | 10M QPSK 1RB#25   | 0.223              | 0.164 | -0.07            | 23.97                 | 25.00               | 0.283                   | Battery 2#            | /         |
| Back Side  | 15mm  | 20450/829                | 10M QPSK 1RB#25   | 0.200              | 0.137 | -0.10            | 23.97                 | 25.00               | 0.254                   | With SIM2             | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.120              | 0.087 | -0.10            | 22.40                 | 23.50               | 0.155                   | Battery 2#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 20450/829                | 10M QPSK 1RB#25   | 0.211              | 0.156 | -0.05            | 23.97                 | 25.00               | 0.267                   | Battery 2#            | Yes       |

Table 181: Body-Worn SAR test results of LTE Band 5

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 20450/829                | 10M QPSK 1RB#49   | 0.195              | 0.127 | -0.12            | 23.44                 | 24.50               | 0.249                   | Battery 1#            | /         |
| Back Side  | 10mm  | 20450/829                | 10M QPSK 1RB#49   | 0.183              | 0.109 | -0.12            | 23.44                 | 24.50               | 0.234                   | Battery 1#            | /         |
| Left Side  | 10mm  | 20450/829                | 10M QPSK 1RB#49   | 0.141              | 0.094 | -0.04            | 23.44                 | 24.50               | 0.180                   | Battery 1#            | /         |
| Right Side   | 10mm  | 20450/829                | 10M QPSK 1RB#49   | 0.025              | 0.017 | -0.15            | 23.44                 | 24.50               | 0.032                   | Battery 1#            | /         |
| Top Side   | 10mm  | 20450/829                | 10M QPSK 1RB#49   | 0.103              | 0.102 | 0.08             | 23.44                 | 24.50               | 0.131                   | Battery 1#            | /         |
| Front Side   | 10mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.214              | 0.124 | -0.09            | 22.40                 | 23.50               | 0.276                   | Battery 1#            | /         |
| Back Side  | 10mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.200              | 0.120 | -0.12            | 22.40                 | 23.50               | 0.258                   | Battery 1#            | /         |
| Left Side  | 10mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.136              | 0.091 | -0.04            | 22.40                 | 23.50               | 0.175                   | Battery 1#            | /         |
| Right Side   | 10mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.030              | 0.020 | -0.18            | 22.40                 | 23.50               | 0.038                   | Battery 1#            | /         |
| Top Side   | 10mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.119              | 0.062 | 0.03             | 22.40                 | 23.50               | 0.153                   | Battery 1#            | /         |
| Front Side   | 10mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.192              | 0.111 | -0.07            | 22.40                 | 23.50               | 0.247                   | Battery 2#            | /         |
| Front Side   | 10mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.174              | 0.102 | -0.11            | 22.40                 | 23.50               | 0.224                   | With SIM2             | /         |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 20450/829                | 10M QPSK 1RB#25   | 0.265              | 0.182 | -0.18            | 23.97                 | 25.00               | 0.336                   | Battery 1#            | /         |
| Back Side  | 10mm  | 20450/829                | 10M QPSK 1RB#25   | 0.361              | 0.218 | 0.00             | 23.97                 | 25.00               | 0.458                   | Battery 1#            | /         |
| Left Side  | 10mm  | 20450/829                | 10M QPSK 1RB#25   | 0.085              | 0.057 | -0.17            | 23.97                 | 25.00               | 0.107                   | Battery 1#            | /         |
| Right Side   | 10mm  | 20450/829                | 10M QPSK 1RB#25   | 0.273              | 0.183 | -0.08            | 23.97                 | 25.00               | 0.346                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 20450/829                | 10M QPSK 1RB#25   | 0.166              | 0.083 | 0.18             | 23.97                 | 25.00               | 0.210                   | Battery 1#            | /         |
| Front Side   | 10mm  | 20450/829                | 10M QPSK 50%RB#25 | 0.227              | 0.155 | -0.16            | 22.90                 | 24.00               | 0.292                   | Battery 1#            | /         |
| Back Side  | 10mm  | 20450/829                | 10M QPSK 50%RB#25 | 0.338              | 0.209 | -0.03            | 22.90                 | 24.00               | 0.435                   | Battery 1#            | /         |
| Left Side  | 10mm  | 20450/829                | 10M QPSK 50%RB#25 | 0.073              | 0.049 | -0.15            | 22.90                 | 24.00               | 0.094                   | Battery 1#            | /         |
| Right Side   | 10mm  | 20450/829                | 10M QPSK 50%RB#25 | 0.235              | 0.158 | -0.09            | 22.90                 | 24.00               | 0.303                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 20450/829                | 10M QPSK 50%RB#25 | 0.147              | 0.074 | 0.14             | 22.90                 | 24.00               | 0.189                   | Battery 1#            | /         |
| Back Side  | 10mm  | 20450/829                | 10M QPSK 1RB#25   | 0.335              | 0.203 | -0.03            | 23.97                 | 25.00               | 0.425                   | Battery 2#            | /         |
| Back Side  | 10mm  | 20450/829                | 10M QPSK 1RB#25   | 0.331              | 0.201 | -0.07            | 23.97                 | 25.00               | 0.420                   | With SIM2             | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 20450/829                | 10M QPSK 50%RB#13 | 0.191              | 0.111 | -0.16            | 22.40                 | 23.50               | 0.246                   | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 20450/829                | 10M QPSK 1RB#25   | 0.319              | 0.194 | 0.02             | 23.97                 | 25.00               | 0.404                   | Battery 1#            | Yes       |

Table 182: Hotspot SAR test results of LTE Band 5

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

### 7.2.9 SAR measurement Result of LTE Band 7

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|-----------------------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna        |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek            | 20850/2510               | 20M QPSK 1RB#99   | 0.198              | 0.090 | 0.16             | 11.82                 | 13.00               | 0.260                   | Battery 1#            | /         |
| Left tilt             | 20850/2510               | 20M QPSK 1RB#99   | 0.234              | 0.105 | -0.08            | 11.82                 | 13.00               | 0.307                   | Battery 1#            | /         |
| Right cheek           | 20850/2510               | 20M QPSK 1RB#99   | 0.307              | 0.125 | -0.17            | 11.82                 | 13.00               | 0.403                   | Battery 1#            | /         |
| Right tilt            | 20850/2510               | 20M QPSK 1RB#99   | 0.349              | 0.160 | -0.05            | 11.82                 | 13.00               | 0.458                   | Battery 1#            | /         |
| Left cheek            | 20850/2510               | 20M QPSK 50%RB#0  | 0.171              | 0.083 | 0.08             | 11.75                 | 13.00               | 0.228                   | Battery 1#            | /         |
| Left tilt             | 20850/2510               | 20M QPSK 50%RB#0  | 0.220              | 0.099 | 0.03             | 11.75                 | 13.00               | 0.293                   | Battery 1#            | /         |
| Right cheek           | 20850/2510               | 20M QPSK 50%RB#0  | 0.277              | 0.137 | -0.09            | 11.75                 | 13.00               | 0.369                   | Battery 1#            | /         |
| Right tilt            | 20850/2510               | 20M QPSK 50%RB#0  | 0.393              | 0.159 | -0.11            | 11.75                 | 13.00               | 0.524                   | Battery 1#            | Yes       |
| Right tilt            | 20850/2510               | 20M QPSK 50%RB#0  | 0.370              | 0.149 | -0.06            | 11.75                 | 13.00               | 0.493                   | Battery 2#            | /         |
| Right tilt            | 21100/2535               | 20M QPSK 50%RB#25 | 0.307              | 0.144 | -0.06            | 11.63                 | 13.00               | 0.421                   | Battery 1#            | /         |
| Right tilt            | 21350/2560               | 20M QPSK 50%RB#0  | 0.311              | 0.148 | -0.10            | 11.62                 | 13.00               | 0.427                   | Battery 1#            | /         |
| Right tilt            | 21100/2535 (PCC)         | 20M QPSK 1RB#99   | 0.326              | 0.159 | -0.18            | 11.64                 | 13.00               | 0.446                   | Battery 1#            | /         |
|                       | 21298/2554.8 (SCC)       | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna          |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek            | 20850/2510               | 20M QPSK 1RB#0    | 0.062              | 0.031 | 0.08             | 23.58                 | 24.50               | 0.077                   | Battery 1#            | /         |
| Left tilt             | 20850/2510               | 20M QPSK 1RB#0    | 0.070              | 0.035 | 0.13             | 23.58                 | 24.50               | 0.086                   | Battery 1#            | /         |
| Right cheek           | 20850/2510               | 20M QPSK 1RB#0    | 0.098              | 0.056 | 0.08             | 23.58                 | 24.50               | 0.121                   | Battery 1#            | /         |
| Right tilt            | 20850/2510               | 20M QPSK 1RB#0    | 0.043              | 0.022 | 0.08             | 23.58                 | 24.50               | 0.053                   | Battery 1#            | /         |
| Left cheek            | 20850/2510               | 20M QPSK 50%RB#0  | 0.050              | 0.026 | -0.02            | 22.67                 | 23.50               | 0.061                   | Battery 1#            | /         |
| Left tilt             | 20850/2510               | 20M QPSK 50%RB#0  | 0.056              | 0.028 | -0.13            | 22.67                 | 23.50               | 0.068                   | Battery 1#            | /         |
| Right cheek           | 20850/2510               | 20M QPSK 50%RB#0  | 0.087              | 0.049 | 0.00             | 22.67                 | 23.50               | 0.105                   | Battery 1#            | /         |
| Right tilt            | 20850/2510               | 20M QPSK 50%RB#0  | 0.033              | 0.017 | -0.11            | 22.67                 | 23.50               | 0.040                   | Battery 1#            | /         |
| Right cheek           | 20850/2510               | 20M QPSK 1RB#0    | 0.101              | 0.058 | 0.05             | 23.58                 | 24.50               | 0.125                   | Battery 2#            | /         |
| Right cheek           | 21100/2535               | 20M QPSK 1RB#50   | 0.090              | 0.024 | -0.02            | 23.56                 | 24.50               | 0.112                   | Battery 2#            | /         |
| Right cheek           | 21350/2560               | 20M QPSK 1RB#0    | 0.128              | 0.073 | 0.18             | 23.48                 | 24.50               | 0.162                   | Battery 2#            | Yes       |
| Right cheek           | 20850/2510 (PCC)         | 20M QPSK 1RB#99   | 0.093              | 0.051 | -0.02            | 23.51                 | 24.50               | 0.117                   | Battery 2#            | /         |
|                       | 21048/2529.8 (SCC)       | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |

Table 183: Head SAR test results of LTE Band 7

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode        | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|----------------------------|-------|--------------------------|------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                            |       |                          |                  | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna             |       |                          |                  |                    |       |                  |                       |                     |                         |                       |           |
| Front Side                 | 15mm  | 20850/2510               | 20M QPSK 1RB#0   | 0.093              | 0.050 | 0.00             | 17.77                 | 19.00               | 0.123                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 20850/2510               | 20M QPSK 1RB#0   | 0.123              | 0.067 | 0.00             | 17.77                 | 19.00               | 0.163                   | Battery 1#            | /         |
| Front Side                 | 15mm  | 20850/2510               | 20M QPSK 50%RB#0 | 0.092              | 0.050 | 0.15             | 17.68                 | 19.00               | 0.125                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 20850/2510               | 20M QPSK 50%RB#0 | 0.120              | 0.065 | -0.16            | 17.68                 | 19.00               | 0.163                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 20850/2510               | 20M QPSK 1RB#0   | 0.109              | 0.059 | -0.14            | 17.77                 | 19.00               | 0.145                   | Battery 2#            | /         |
| Back Side                  | 15mm  | 21100/2535 (PCC)         | 20M QPSK 1RB#99  | 0.137              | 0.073 | -0.19            | 17.68                 | 19.00               | 0.186                   | Battery 1#            | Yes       |
|                            |       | 21298/2554.8 (SCC)       | 20M QPSK 1RB#0   |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna               |       |                          |                  |                    |       |                  |                       |                     |                         |                       |           |
| Front Side                 | 15mm  | 20850/2510               | 20M QPSK 1RB#0   | 0.347              | 0.195 | -0.01            | 23.58                 | 24.50               | 0.429                   | Battery 1#            | Yes       |
| Back Side                  | 15mm  | 20850/2510               | 20M QPSK 1RB#0   | 0.196              | 0.111 | -0.15            | 23.58                 | 24.50               | 0.242                   | Battery 1#            | /         |
| Front Side                 | 15mm  | 20850/2510               | 20M QPSK 50%RB#0 | 0.228              | 0.129 | -0.16            | 22.67                 | 23.50               | 0.276                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 20850/2510               | 20M QPSK 50%RB#0 | 0.196              | 0.111 | 0.10             | 22.67                 | 23.50               | 0.237                   | Battery 1#            | /         |
| Front Side                 | 15mm  | 20850/2510               | 20M QPSK 1RB#0   | 0.341              | 0.192 | -0.17            | 23.58                 | 24.50               | 0.421                   | Battery 2#            | /         |
| Front Side                 | 15mm  | 21100/2535 (PCC)         | 20M QPSK 1RB#0   | 0.343              | 0.189 | -0.06            | 23.51                 | 24.50               | 0.431                   | Battery 2#            | /         |
|                            |       | 20902/2515.2 (SCC)       | 20M QPSK 1RB#99  |                    |       |                  |                       |                     |                         |                       |           |

Table 184: Body-Worn SAR test results of LTE Band 7

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--------------------------|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                          |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna           |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side               | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.227              | 0.112 | 0.06             | 17.77                 | 19.00               | 0.301                   | Battery 1#            | /         |
| Back Side                | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.252              | 0.126 | 0.08             | 17.77                 | 19.00               | 0.335                   | Battery 1#            | /         |
| Left Side                | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.124              | 0.058 | -0.19            | 17.77                 | 19.00               | 0.165                   | Battery 1#            | /         |
| Right Side               | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.055              | 0.026 | -0.11            | 17.77                 | 19.00               | 0.072                   | Battery 1#            | /         |
| Top Side                 | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.417              | 0.206 | 0.02             | 17.77                 | 19.00               | 0.554                   | Battery 1#            | /         |
| Front Side               | 10mm  | 20850/2510               | 20M QPSK 50%RB#0  | 0.206              | 0.103 | 0.05             | 17.68                 | 19.00               | 0.279                   | Battery 1#            | /         |
| Back Side                | 10mm  | 20850/2510               | 20M QPSK 50%RB#0  | 0.246              | 0.121 | 0.02             | 17.68                 | 19.00               | 0.333                   | Battery 1#            | /         |
| Left Side                | 10mm  | 20850/2510               | 20M QPSK 50%RB#0  | 0.138              | 0.065 | 0.13             | 17.68                 | 19.00               | 0.187                   | Battery 1#            | /         |
| Right Side               | 10mm  | 20850/2510               | 20M QPSK 50%RB#0  | 0.036              | 0.020 | -0.16            | 17.68                 | 19.00               | 0.049                   | Battery 1#            | /         |
| Top Side                 | 10mm  | 20850/2510               | 20M QPSK 50%RB#0  | 0.407              | 0.193 | 0.19             | 17.68                 | 19.00               | 0.552                   | Battery 1#            | /         |
| Top Side                 | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.447              | 0.217 | -0.05            | 17.77                 | 19.00               | 0.593                   | Battery 2#            | /         |
| Top Side                 | 10mm  | 21100/2535 (PCC)         | 20M QPSK 1RB#99   | 0.652              | 0.314 | -0.01            | 17.68                 | 19.00               | 0.884                   | Battery 2#            | Yes       |
|                          |       | 21298/2554.8 (SCC)       | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna             |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side               | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.651              | 0.354 | -0.16            | 21.07                 | 22.00               | 0.806                   | Battery 1#            | Yes       |
| Front Side               | 10mm  | 21100/2535               | 20M QPSK 1RB#50   | 0.614              | 0.331 | 0.05             | 21.04                 | 22.00               | 0.766                   | Battery 1#            | /         |
| Front Side               | 10mm  | 21350/2560               | 20M QPSK 1RB#50   | 0.517              | 0.276 | -0.19            | 20.96                 | 22.00               | 0.657                   | Battery 1#            | /         |
| Back Side                | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.561              | 0.306 | 0.16             | 21.07                 | 22.00               | 0.695                   | Battery 1#            | /         |
| Left Side                | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.104              | 0.047 | -0.01            | 21.07                 | 22.00               | 0.129                   | Battery 1#            | /         |
| Right Side               | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.016              | 0.008 | 0.05             | 21.07                 | 22.00               | 0.019                   | Battery 1#            | /         |
| Bottom Side              | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.238              | 0.124 | -0.08            | 21.07                 | 22.00               | 0.295                   | Battery 1#            | /         |
| Front Side               | 10mm  | 20850/2510               | 20M QPSK 50%RB#25 | 0.522              | 0.284 | -0.18            | 21.20                 | 22.00               | 0.628                   | Battery 1#            | /         |
| Back Side                | 10mm  | 20850/2510               | 20M QPSK 50%RB#25 | 0.458              | 0.250 | 0.16             | 21.20                 | 22.00               | 0.551                   | Battery 1#            | /         |
| Left Side                | 10mm  | 20850/2510               | 20M QPSK 50%RB#25 | 0.105              | 0.047 | -0.03            | 21.20                 | 22.00               | 0.126                   | Battery 1#            | /         |
| Right Side               | 10mm  | 20850/2510               | 20M QPSK 50%RB#25 | 0.019              | 0.009 | -0.16            | 21.20                 | 22.00               | 0.023                   | Battery 1#            | /         |
| Bottom Side              | 10mm  | 20850/2510               | 20M QPSK 50%RB#25 | 0.231              | 0.122 | -0.12            | 21.20                 | 22.00               | 0.278                   | Battery 1#            | /         |
| Front Side               | 10mm  | 20850/2510               | 20M QPSK 100%RB#0 | 0.560              | 0.298 | -0.13            | 21.14                 | 22.00               | 0.683                   | Battery 1#            | /         |
| Front Side               | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.566              | 0.299 | -0.13            | 21.07                 | 22.00               | 0.701                   | Battery 2#            | /         |
| Front Side               | 10mm  | 20850/2510 (PCC)         | 20M QPSK 1RB#99   | 0.513              | 0.269 | 0.10             | 21.05                 | 22.00               | 0.638                   | Battery 1#            | /         |
|                          |       | 21048/2529.8 (SCC)       | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |

Table 185: Hotspot SAR test results of LTE Band 7



Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz)               | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|--------------------------|-------|--|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-------------------------------------|
|                          |       |  |                   | 1-g                | 10-g  |                  |                       |                     |                          |                                     |
| Main Antenna             |       |  |                   |                    |       |                  |                       |                     |                          |                                     |
| Front Side               | 10mm  | 20850/2510                             | 20M QPSK 1RB#0    | <b>0.651</b>       | 0.354 | -0.16            | 21.07                 | 24.50               | 1.434                    | No                                  |
| Front Side               | 10mm  | 21100/2535                             | 20M QPSK 1RB#50   | <b>0.614</b>       | 0.331 | 0.05             | 21.04                 | 24.50               | 1.362                    | No                                  |
| Front Side               | 10mm  | 21350/2560                             | 20M QPSK 1RB#50   | <b>0.517</b>       | 0.276 | -0.19            | 20.96                 | 24.50               | 1.168                    | Yes                                 |
| Back Side                | 10mm  | 20850/2510                             | 20M QPSK 1RB#0    | <b>0.561</b>       | 0.306 | 0.16             | 21.07                 | 24.50               | 1.236                    | No                                  |
| Left Side                | 10mm  | 20850/2510                             | 20M QPSK 1RB#0    | <b>0.104</b>       | 0.047 | -0.01            | 21.07                 | 24.50               | 0.229                    | Yes                                 |
| Right Side               | 10mm  | 20850/2510                             | 20M QPSK 1RB#0    | <b>0.016</b>       | 0.008 | 0.05             | 21.07                 | 24.50               | 0.034                    | Yes                                 |
| Bottom Side              | 10mm  | 20850/2510                             | 20M QPSK 1RB#0    | <b>0.238</b>       | 0.124 | -0.08            | 21.07                 | 24.50               | 0.524                    | Yes                                 |
| Front Side               | 10mm  | 20850/2510                             | 20M QPSK 50%RB#25 | <b>0.522</b>       | 0.284 | -0.18            | 21.20                 | 24.50               | 1.116                    | Yes                                 |
| Back Side                | 10mm  | 20850/2510                             | 20M QPSK 50%RB#25 | <b>0.458</b>       | 0.250 | 0.16             | 21.20                 | 24.50               | 0.979                    | Yes                                 |
| Left Side                | 10mm  | 20850/2510                             | 20M QPSK 50%RB#25 | <b>0.105</b>       | 0.047 | -0.03            | 21.20                 | 24.50               | 0.224                    | Yes                                 |
| Right Side               | 10mm  | 20850/2510                             | 20M QPSK 50%RB#25 | <b>0.019</b>       | 0.009 | -0.16            | 21.20                 | 24.50               | 0.041                    | Yes                                 |
| Bottom Side              | 10mm  | 20850/2510                             | 20M QPSK 50%RB#25 | <b>0.231</b>       | 0.122 | -0.12            | 21.20                 | 24.50               | 0.494                    | Yes                                 |
| Front Side               | 10mm  | 20850/2510                             | 20M QPSK 100%RB#0 | <b>0.560</b>       | 0.298 | -0.13            | 21.14                 | 24.50               | 1.214                    | No                                  |
| Front Side               | 10mm  | 20850/2510                             | 20M QPSK 1RB#0    | <b>0.566</b>       | 0.299 | -0.13            | 21.07                 | 24.50               | 1.247                    | No                                  |
| Front Side               | 10mm  | 20850/2510 (PCC)<br>21048/2529.8 (SCC) | 20M QPSK 1RB#99   | <b>0.513</b>       | 0.269 | 0.10             | 21.05                 | 24.50               | 1.135                    | Yes                                 |

Table 186: Product Specific 10-g SAR test reduction evaluation of LTE Band 7

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Front Side and Back side (Main antenna)

| Product Specific 10-g SAR   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |              | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|--------------|------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
|   |       |                          |                   | 1-g                | 10-g         |                  |                       |                     |                          |                       |           |
| Second Antenna  |       |                          |                   |                    |              |                  |                       |                     |                          |                       |           |
| Front Side  | 0mm   | 20850/2510               | 20M QPSK 1RB#0    | 1.950              | <b>0.817</b> | 0.00             | 20.11                 | 21.00               | <b>1.003</b>             | Battery 1#            | /         |
| Back Side   | 0mm   | 20850/2510               | 20M QPSK 1RB#0    | 1.730              | <b>0.807</b> | 0.13             | 20.11                 | 21.00               | <b>0.991</b>             | Battery 1#            | /         |
| Front Side  | 0mm   | 20850/2510               | 20M QPSK 50%RB#25 | 2.050              | <b>0.847</b> | -0.14            | 20.20                 | 21.00               | <b>1.018</b>             | Battery 1#            | Yes       |
| Back Side   | 0mm   | 20850/2510               | 20M QPSK 50%RB#25 | 1.750              | <b>0.807</b> | -0.03            | 20.20                 | 21.00               | <b>0.970</b>             | Battery 1#            | /         |
| Front Side  | 0mm   | 20850/2510               | 20M QPSK 50%RB#25 | 2.040              | <b>0.845</b> | -0.17            | 20.20                 | 21.00               | <b>1.016</b>             | Battery 2#            | /         |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) |       |                          |                   |                    |              |                  |                       |                     |                          |                       |           |
| Front Side  | 3mm   | 20850/2510               | 20M QPSK 1RB#0    | 1.380              | <b>0.679</b> | -0.06            | 21.58                 | 22.50               | <b>0.839</b>             | Battery 1#            | /         |
| Back Side   | 4mm   | 20850/2510               | 20M QPSK 1RB#0    | 0.879              | <b>0.474</b> | -0.04            | 21.58                 | 22.50               | <b>0.586</b>             | Battery 1#            | /         |
| Front Side  | 10mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.530              | <b>0.286</b> | -0.14            | 23.58                 | 24.50               | <b>0.353</b>             | Battery 1#            | /         |
| Back Side   | 11mm  | 20850/2510               | 20M QPSK 1RB#0    | 0.567              | <b>0.306</b> | 0.11             | 23.58                 | 24.50               | <b>0.378</b>             | Battery 1#            | /         |

Table 187: Product Specific 10-g SAR SAR test results of LTE Band 7



### 7.2.10 SAR measurement Result of LTE Band 12

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode        | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |                  | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |                  |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |                  |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 23095/707.5              | 10M QPSK 1RB#0   | <b>0.428</b>       | 0.223 | -0.07            | 19.68                 | 20.50               | <b>0.517</b>            | Battery 1#            | /         |
| Left tilt  | 23095/707.5              | 10M QPSK 1RB#0   | <b>0.317</b>       | 0.204 | -0.08            | 19.68                 | 20.50               | <b>0.383</b>            | Battery 1#            | /         |
| Right cheek  | 23095/707.5              | 10M QPSK 1RB#0   | <b>0.330</b>       | 0.176 | 0.03             | 19.68                 | 20.50               | <b>0.399</b>            | Battery 1#            | /         |
| Right tilt   | 23095/707.5              | 10M QPSK 1RB#0   | <b>0.289</b>       | 0.187 | 0.11             | 19.68                 | 20.50               | <b>0.349</b>            | Battery 1#            | /         |
| Left cheek   | 23095/707.5              | 10M QPSK 50%RB#0 | <b>0.350</b>       | 0.222 | -0.04            | 19.61                 | 20.50               | <b>0.430</b>            | Battery 1#            | /         |
| Left tilt  | 23095/707.5              | 10M QPSK 50%RB#0 | <b>0.259</b>       | 0.166 | -0.02            | 19.61                 | 20.50               | <b>0.318</b>            | Battery 1#            | /         |
| Right cheek  | 23095/707.5              | 10M QPSK 50%RB#0 | <b>0.342</b>       | 0.182 | 0.05             | 19.61                 | 20.50               | <b>0.420</b>            | Battery 1#            | /         |
| Right tilt   | 23095/707.5              | 10M QPSK 50%RB#0 | <b>0.274</b>       | 0.178 | -0.09            | 19.61                 | 20.50               | <b>0.336</b>            | Battery 1#            | /         |
| Left cheek   | 23095/707.5              | 10M QPSK 1RB#0   | <b>0.355</b>       | 0.185 | -0.05            | 19.68                 | 20.50               | <b>0.429</b>            | Battery 2#            | /         |
| Left cheek   | 23095/707.5              | 10M QPSK 1RB#0   | <b>0.340</b>       | 0.182 | -0.04            | 19.68                 | 20.50               | <b>0.411</b>            | With SIM2             | /         |
| Left cheek   | 23060/704                | 10M QPSK 1RB#0   | <b>0.427</b>       | 0.222 | -0.07            | 19.43                 | 20.50               | <b>0.546</b>            | Battery 1#            | /         |
| Left cheek   | 23130/711                | 10M QPSK 1RB#0   | <b>0.350</b>       | 0.223 | -0.04            | 19.55                 | 20.50               | <b>0.436</b>            | Battery 1#            | /         |
| Main Antenna   |                          |                  |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 23130/711                | 10M QPSK 1RB#25  | <b>0.099</b>       | 0.079 | -0.04            | 23.91                 | 25.00               | <b>0.128</b>            | Battery 1#            | /         |
| Left tilt  | 23130/711                | 10M QPSK 1RB#25  | <b>0.068</b>       | 0.043 | -0.15            | 23.91                 | 25.00               | <b>0.087</b>            | Battery 1#            | /         |
| Right cheek  | 23130/711                | 10M QPSK 1RB#25  | <b>0.126</b>       | 0.099 | -0.06            | 23.91                 | 25.00               | <b>0.162</b>            | Battery 1#            | /         |
| Right tilt   | 23130/711                | 10M QPSK 1RB#25  | <b>0.056</b>       | 0.035 | -0.12            | 23.91                 | 25.00               | <b>0.072</b>            | Battery 1#            | /         |
| Left cheek   | 23130/711                | 10M QPSK 50%RB#0 | <b>0.074</b>       | 0.052 | 0.09             | 22.92                 | 24.00               | <b>0.095</b>            | Battery 1#            | /         |
| Left tilt  | 23130/711                | 10M QPSK 50%RB#0 | <b>0.054</b>       | 0.034 | -0.13            | 22.92                 | 24.00               | <b>0.069</b>            | Battery 1#            | /         |
| Right cheek  | 23130/711                | 10M QPSK 50%RB#0 | <b>0.102</b>       | 0.080 | -0.05            | 22.92                 | 24.00               | <b>0.131</b>            | Battery 1#            | /         |
| Right tilt   | 23130/711                | 10M QPSK 50%RB#0 | <b>0.046</b>       | 0.029 | -0.06            | 22.92                 | 24.00               | <b>0.059</b>            | Battery 1#            | /         |
| Right cheek  | 23130/711                | 10M QPSK 1RB#25  | <b>0.111</b>       | 0.088 | 0.03             | 23.91                 | 25.00               | <b>0.143</b>            | Battery 2#            | /         |
| Right cheek  | 23130/711                | 10M QPSK 1RB#25  | <b>0.111</b>       | 0.088 | -0.19            | 23.91                 | 25.00               | <b>0.143</b>            | With SIM2             | /         |
| Right cheek  | 23060/704                | 10M QPSK 1RB#0   | <b>0.105</b>       | 0.073 | -0.12            | 23.89                 | 25.00               | <b>0.136</b>            | Battery 1#            | /         |
| Right cheek  | 23095/707.5              | 10M QPSK 1RB#25  | <b>0.111</b>       | 0.087 | -0.18            | 23.86                 | 25.00               | <b>0.144</b>            | Battery 1#            | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |                          |                  |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 23060/704                | 10M QPSK 1RB#0   | <b>0.324</b>       | 0.176 | -0.13            | 19.43                 | 20.50               | <b>0.415</b>            | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |                          |                  |                    |       |                  |                       |                     |                         |                       |           |
| Right cheek  | 23130/711                | 10M QPSK 1RB#25  | <b>0.109</b>       | 0.087 | -0.18            | 23.91                 | 25.00               | <b>0.140</b>            | Battery 1#            | Yes       |

Table 188: Head SAR test results of LTE Band 12

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.154              | 0.111 | -0.12            | 23.64                 | 24.50               | 0.188                   | Battery 1#            | /         |
| Back Side  | 15mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.139              | 0.100 | -0.13            | 23.64                 | 24.50               | 0.169                   | Battery 1#            | /         |
| Front Side   | 15mm  | 23095/707.5              | 10M QPSK 50%RB#13 | 0.114              | 0.080 | -0.10            | 22.52                 | 23.50               | 0.143                   | Battery 1#            | /         |
| Back Side  | 15mm  | 23095/707.5              | 10M QPSK 50%RB#13 | 0.110              | 0.079 | -0.15            | 22.52                 | 23.50               | 0.138                   | Battery 1#            | /         |
| Front Side   | 15mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.135              | 0.109 | -0.11            | 23.64                 | 24.50               | 0.165                   | Battery 2#            | /         |
| Front Side   | 15mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.137              | 0.099 | -0.05            | 23.64                 | 24.50               | 0.167                   | With SIM2             | /         |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 23130/711                | 10M QPSK 1RB#25   | 0.154              | 0.111 | -0.12            | 23.91                 | 25.00               | 0.198                   | Battery 1#            | /         |
| Back Side  | 15mm  | 23130/711                | 10M QPSK 1RB#25   | 0.172              | 0.132 | -0.13            | 23.91                 | 25.00               | 0.221                   | Battery 1#            | /         |
| Front Side   | 15mm  | 23130/711                | 10M QPSK 50%RB#0  | 0.121              | 0.087 | -0.08            | 22.92                 | 24.00               | 0.155                   | Battery 1#            | /         |
| Back Side  | 15mm  | 23130/711                | 10M QPSK 50%RB#0  | 0.138              | 0.098 | -0.09            | 22.92                 | 24.00               | 0.177                   | Battery 1#            | /         |
| Back Side  | 15mm  | 23130/711                | 10M QPSK 1RB#25   | 0.196              | 0.150 | -0.10            | 23.91                 | 25.00               | 0.252                   | Battery 2#            | /         |
| Back Side  | 15mm  | 23130/711                | 10M QPSK 1RB#25   | 0.168              | 0.130 | -0.16            | 23.91                 | 25.00               | 0.216                   | With SIM2             | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.139              | 0.101 | -0.18            | 23.64                 | 24.50               | 0.169                   | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 23130/711                | 10M QPSK 1RB#25   | 0.173              | 0.133 | -0.12            | 23.91                 | 25.00               | 0.222                   | Battery 2#            | Yes       |

Table 189: Body-Worn SAR test results of LTE Band 12

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.332              | 0.211 | -0.15            | 23.64                 | 24.50               | 0.405                   | Battery 1#            | /         |
| Back Side  | 10mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.355              | 0.207 | -0.14            | 23.64                 | 24.50               | 0.433                   | Battery 1#            | /         |
| Left Side  | 10mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.165              | 0.112 | -0.10            | 23.64                 | 24.50               | 0.201                   | Battery 1#            | /         |
| Right Side   | 10mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.042              | 0.027 | -0.16            | 23.64                 | 24.50               | 0.051                   | Battery 1#            | /         |
| Top Side   | 10mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.210              | 0.105 | -0.01            | 23.64                 | 24.50               | 0.256                   | Battery 1#            | /         |
| Front Side   | 10mm  | 23095/707.5              | 10M QPSK 50%RB#13 | 0.228              | 0.146 | -0.13            | 22.52                 | 23.50               | 0.286                   | Battery 1#            | /         |
| Back Side  | 10mm  | 23095/707.5              | 10M QPSK 50%RB#13 | 0.218              | 0.142 | -0.17            | 22.52                 | 23.50               | 0.273                   | Battery 1#            | /         |
| Left Side  | 10mm  | 23095/707.5              | 10M QPSK 50%RB#13 | 0.108              | 0.073 | -0.12            | 22.52                 | 23.50               | 0.135                   | Battery 1#            | /         |
| Right Side   | 10mm  | 23095/707.5              | 10M QPSK 50%RB#13 | 0.030              | 0.019 | -0.14            | 22.52                 | 23.50               | 0.037                   | Battery 1#            | /         |
| Top Side   | 10mm  | 23095/707.5              | 10M QPSK 50%RB#13 | 0.147              | 0.074 | -0.04            | 22.52                 | 23.50               | 0.184                   | Battery 1#            | /         |
| Back Side  | 10mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.238              | 0.140 | -0.13            | 23.64                 | 24.50               | 0.290                   | Battery 2#            | /         |
| Back Side  | 10mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.253              | 0.150 | -0.14            | 23.64                 | 24.50               | 0.308                   | With SIM2             | /         |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 23130/711                | 10M QPSK 1RB#25   | 0.225              | 0.167 | -0.16            | 23.91                 | 25.00               | 0.289                   | Battery 1#            | /         |
| Back Side  | 10mm  | 23130/711                | 10M QPSK 1RB#25   | 0.237              | 0.143 | -0.09            | 23.91                 | 25.00               | 0.305                   | Battery 1#            | /         |
| Left Side  | 10mm  | 23130/711                | 10M QPSK 1RB#25   | 0.105              | 0.072 | -0.16            | 23.91                 | 25.00               | 0.135                   | Battery 1#            | /         |
| Right Side   | 10mm  | 23130/711                | 10M QPSK 1RB#25   | 0.234              | 0.161 | -0.11            | 23.91                 | 25.00               | 0.301                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 23130/711                | 10M QPSK 1RB#25   | 0.111              | 0.064 | -0.10            | 23.91                 | 25.00               | 0.143                   | Battery 1#            | /         |
| Front Side   | 10mm  | 23130/711                | 10M QPSK 50%RB#0  | 0.177              | 0.122 | -0.09            | 22.92                 | 24.00               | 0.227                   | Battery 1#            | /         |
| Back Side  | 10mm  | 23130/711                | 10M QPSK 50%RB#0  | 0.212              | 0.148 | -0.07            | 22.92                 | 24.00               | 0.272                   | Battery 1#            | /         |
| Left Side  | 10mm  | 23130/711                | 10M QPSK 50%RB#0  | 0.090              | 0.061 | -0.19            | 22.92                 | 24.00               | 0.115                   | Battery 1#            | /         |
| Right Side   | 10mm  | 23130/711                | 10M QPSK 50%RB#0  | 0.195              | 0.134 | -0.13            | 22.92                 | 24.00               | 0.250                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 23130/711                | 10M QPSK 50%RB#0  | 0.092              | 0.053 | -0.13            | 22.92                 | 24.00               | 0.118                   | Battery 1#            | /         |
| Back Side  | 10mm  | 23130/711                | 10M QPSK 1RB#25   | 0.254              | 0.184 | -0.18            | 23.91                 | 25.00               | 0.326                   | Battery 2#            | /         |
| Back Side  | 10mm  | 23130/711                | 10M QPSK 1RB#25   | 0.201              | 0.120 | -0.10            | 23.91                 | 25.00               | 0.258                   | With SIM2             | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 23095/707.5              | 10M QPSK 1RB#0    | 0.227              | 0.135 | -0.18            | 23.64                 | 24.50               | 0.277                   | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 23130/711                | 10M QPSK 1RB#25   | 0.230              | 0.170 | -0.08            | 23.91                 | 25.00               | 0.296                   | Battery 2#            | Yes       |

Table 190: Hotspot SAR test results of LTE Band 12

### **7.2.11 SAR measurement Result of LTE Band 17**

SAR for LTE Band 17 (Frequency range:704-716 MHz) is covered by LTE Band 12 (Frequency range:699-716 MHz) due to similar frequency range,same maximum tune up limit and same channel bandwidth.

### 7.2.12 SAR measurement Result of LTE Band 26

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 26775/822.5              | 15M QPSK 1RB#38   | 0.369              | 0.207 | 0.02             | 19.09                 | 20.00               | 0.455                   | Battery 1#            | /         |
| Left tilt  | 26775/822.5              | 15M QPSK 1RB#38   | 0.320              | 0.165 | 0.06             | 19.09                 | 20.00               | 0.395                   | Battery 1#            | /         |
| Right cheek  | 26775/822.5              | 15M QPSK 1RB#38   | 0.417              | 0.235 | -0.01            | 19.09                 | 20.00               | 0.514                   | Battery 1#            | /         |
| Right tilt   | 26775/822.5              | 15M QPSK 1RB#38   | 0.303              | 0.186 | 0.18             | 19.09                 | 20.00               | 0.374                   | Battery 1#            | /         |
| Left cheek   | 26865/831.5              | 15M QPSK 50%RB#18 | 0.385              | 0.241 | 0.07             | 19.15                 | 20.00               | 0.468                   | Battery 1#            | /         |
| Left tilt  | 26865/831.5              | 15M QPSK 50%RB#18 | 0.401              | 0.247 | 0.06             | 19.15                 | 20.00               | 0.488                   | Battery 1#            | /         |
| Right cheek  | 26865/831.5              | 15M QPSK 50%RB#18 | 0.479              | 0.262 | 0.01             | 19.15                 | 20.00               | 0.583                   | Battery 1#            | /         |
| Right tilt   | 26865/831.5              | 15M QPSK 50%RB#18 | 0.338              | 0.165 | 0.01             | 19.15                 | 20.00               | 0.411                   | Battery 1#            | /         |
| Right cheek  | 26865/831.5              | 15M QPSK 50%RB#18 | 0.414              | 0.236 | 0.02             | 19.15                 | 20.00               | 0.504                   | Battery 2#            | /         |
| Right cheek  | 26865/831.5              | 15M QPSK 50%RB#18 | 0.404              | 0.228 | 0.01             | 19.15                 | 20.00               | 0.491                   | With SIM2             | /         |
| Right cheek  | 26775/822.5              | 15M QPSK 50%RB#0  | 0.381              | 0.242 | -0.02            | 18.98                 | 20.00               | 0.482                   | Battery 1#            | /         |
| Right cheek  | 26965/841.5              | 15M QPSK 50%RB#18 | 0.374              | 0.240 | -0.03            | 18.90                 | 20.00               | 0.482                   | Battery 1#            | /         |
| Main Antenna   |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 26775/822.5              | 15M QPSK 1RB#38   | 0.105              | 0.073 | 0.11             | 24.01                 | 25.00               | 0.132                   | Battery 1#            | /         |
| Left tilt  | 26775/822.5              | 15M QPSK 1RB#38   | 0.080              | 0.051 | 0.08             | 24.01                 | 25.00               | 0.100                   | Battery 1#            | /         |
| Right cheek  | 26775/822.5              | 15M QPSK 1RB#38   | 0.149              | 0.115 | 0.19             | 24.01                 | 25.00               | 0.187                   | Battery 1#            | /         |
| Right tilt   | 26775/822.5              | 15M QPSK 1RB#38   | 0.055              | 0.038 | 0.02             | 24.01                 | 25.00               | 0.069                   | Battery 1#            | /         |
| Left cheek   | 26775/822.5              | 15M QPSK 50%RB#18 | 0.082              | 0.057 | -0.10            | 23.01                 | 24.00               | 0.103                   | Battery 1#            | /         |
| Left tilt  | 26775/822.5              | 15M QPSK 50%RB#18 | 0.018              | 0.011 | 0.13             | 23.01                 | 24.00               | 0.023                   | Battery 1#            | /         |
| Right cheek  | 26775/822.5              | 15M QPSK 50%RB#18 | 0.108              | 0.075 | 0.13             | 23.01                 | 24.00               | 0.136                   | Battery 1#            | /         |
| Right tilt   | 26775/822.5              | 15M QPSK 50%RB#18 | 0.045              | 0.032 | 0.12             | 23.01                 | 24.00               | 0.057                   | Battery 1#            | /         |
| Right cheek  | 26775/822.5              | 15M QPSK 1RB#38   | 0.183              | 0.140 | 0.06             | 24.01                 | 25.00               | 0.230                   | Battery 2#            | /         |
| Right cheek  | 26775/822.5              | 15M QPSK 1RB#38   | 0.165              | 0.114 | 0.03             | 24.01                 | 25.00               | 0.207                   | With SIM2             | /         |
| Right cheek  | 26865/831.5              | 15M QPSK 1RB#38   | 0.106              | 0.127 | 0.06             | 23.95                 | 25.00               | 0.135                   | Battery 2#            | /         |
| Right cheek  | 26965/841.5              | 15M QPSK 1RB#0    | 0.234              | 0.179 | -0.18            | 23.89                 | 25.00               | 0.302                   | Battery 2#            | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Right cheek  | 26865/831.5              | 15M QPSK 50%RB#18 | 0.315              | 0.192 | -0.06            | 19.15                 | 20.00               | 0.383                   | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Right cheek  | 26965/841.5              | 15M QPSK 1RB#0    | 0.151              | 0.118 | 0.07             | 23.89                 | 25.00               | 0.195                   | Battery 2#            | Yes       |

Table 191: Head SAR test results of LTE Band 26

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 26865/831.5              | 15M QPSK 1RB#0    | 0.111              | 0.080 | 0.09             | 23.55                 | 24.50               | 0.138                   | Battery 1#            | /         |
| Back Side  | 15mm  | 26865/831.5              | 15M QPSK 1RB#0    | 0.103              | 0.076 | -0.08            | 23.55                 | 24.50               | 0.128                   | Battery 1#            | /         |
| Front Side   | 15mm  | 26865/831.5              | 15M QPSK 50%RB#0  | 0.137              | 0.093 | 0.02             | 22.60                 | 23.50               | 0.169                   | Battery 1#            | /         |
| Back Side  | 15mm  | 26865/831.5              | 15M QPSK 50%RB#0  | 0.115              | 0.079 | -0.07            | 22.60                 | 23.50               | 0.141                   | Battery 1#            | /         |
| Front Side   | 15mm  | 26865/831.5              | 15M QPSK 50%RB#0  | 0.123              | 0.088 | 0.03             | 22.60                 | 23.50               | 0.151                   | Battery 2#            | /         |
| Front Side   | 15mm  | 26865/831.5              | 15M QPSK 50%RB#0  | 0.118              | 0.085 | -0.02            | 22.60                 | 23.50               | 0.145                   | With SIM2             | /         |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.169              | 0.126 | -0.06            | 24.01                 | 25.00               | 0.212                   | Battery 1#            | /         |
| Back Side  | 15mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.214              | 0.156 | -0.01            | 24.01                 | 25.00               | 0.269                   | Battery 1#            | /         |
| Front Side   | 15mm  | 26775/822.5              | 15M QPSK 50%RB#18 | 0.127              | 0.090 | -0.19            | 23.01                 | 24.00               | 0.160                   | Battery 1#            | /         |
| Back Side  | 15mm  | 26775/822.5              | 15M QPSK 50%RB#18 | 0.163              | 0.114 | 0.01             | 23.01                 | 24.00               | 0.205                   | Battery 1#            | /         |
| Back Side  | 15mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.251              | 0.181 | -0.02            | 24.01                 | 25.00               | 0.315                   | Battery 2#            | /         |
| Back Side  | 15mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.208              | 0.152 | -0.01            | 24.01                 | 25.00               | 0.261                   | With SIM2             | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 26865/831.5              | 15M QPSK 50%RB#0  | 0.118              | 0.085 | -0.14            | 22.60                 | 23.50               | 0.145                   | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.177              | 0.129 | -0.19            | 24.01                 | 25.00               | 0.222                   | Battery 2#            | Yes       |

Table 192: Body-Worn SAR test results of LTE Band 26



| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 26865/831.5              | 15M QPSK 1RB#0    | 0.302              | 0.169 | -0.02            | 23.55                 | 24.50               | 0.376                   | Battery 1#            | /         |
| Back Side  | 10mm  | 26865/831.5              | 15M QPSK 1RB#0    | 0.283              | 0.173 | -0.06            | 23.55                 | 24.50               | 0.352                   | Battery 1#            | /         |
| Left Side  | 10mm  | 26865/831.5              | 15M QPSK 1RB#0    | 0.175              | 0.117 | -0.04            | 23.55                 | 24.50               | 0.218                   | Battery 1#            | /         |
| Right Side   | 10mm  | 26865/831.5              | 15M QPSK 1RB#0    | 0.042              | 0.028 | -0.04            | 23.55                 | 24.50               | 0.052                   | Battery 1#            | /         |
| Top Side   | 10mm  | 26865/831.5              | 15M QPSK 1RB#0    | 0.229              | 0.109 | 0.15             | 23.55                 | 24.50               | 0.285                   | Battery 1#            | /         |
| Front Side   | 10mm  | 26865/831.5              | 15M QPSK 50%RB#0  | 0.262              | 0.163 | 0.01             | 22.60                 | 23.50               | 0.322                   | Battery 1#            | /         |
| Back Side  | 10mm  | 26865/831.5              | 15M QPSK 50%RB#0  | 0.226              | 0.205 | -0.04            | 22.60                 | 23.50               | 0.278                   | Battery 1#            | /         |
| Left Side  | 10mm  | 26865/831.5              | 15M QPSK 50%RB#0  | 0.140              | 0.093 | -0.03            | 22.60                 | 23.50               | 0.172                   | Battery 1#            | /         |
| Right Side   | 10mm  | 26865/831.5              | 15M QPSK 50%RB#0  | 0.033              | 0.022 | -0.14            | 22.60                 | 23.50               | 0.040                   | Battery 1#            | /         |
| Top Side   | 10mm  | 26865/831.5              | 15M QPSK 50%RB#0  | 0.184              | 0.085 | -0.03            | 22.60                 | 23.50               | 0.226                   | Battery 1#            | /         |
| Front Side   | 10mm  | 26865/831.5              | 15M QPSK 1RB#0    | 0.257              | 0.146 | -0.01            | 23.55                 | 24.50               | 0.320                   | Battery 2#            | /         |
| Front Side   | 10mm  | 26865/831.5              | 15M QPSK 1RB#0    | 0.271              | 0.153 | 0.01             | 23.55                 | 24.50               | 0.337                   | With SIM2             | /         |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.220              | 0.143 | -0.06            | 24.01                 | 25.00               | 0.276                   | Battery 1#            | /         |
| Back Side  | 10mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.322              | 0.190 | -0.01            | 24.01                 | 25.00               | 0.404                   | Battery 1#            | /         |
| Left Side  | 10mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.074              | 0.049 | -0.10            | 24.01                 | 25.00               | 0.093                   | Battery 1#            | /         |
| Right Side   | 10mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.241              | 0.160 | -0.02            | 24.01                 | 25.00               | 0.303                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.178              | 0.089 | 0.18             | 24.01                 | 25.00               | 0.224                   | Battery 1#            | /         |
| Front Side   | 10mm  | 26775/822.5              | 15M QPSK 50%RB#18 | 0.171              | 0.111 | -0.07            | 23.01                 | 24.00               | 0.215                   | Battery 1#            | /         |
| Back Side  | 10mm  | 26775/822.5              | 15M QPSK 50%RB#18 | 0.221              | 0.138 | 0.05             | 23.01                 | 24.00               | 0.278                   | Battery 1#            | /         |
| Left Side  | 10mm  | 26775/822.5              | 15M QPSK 50%RB#18 | 0.060              | 0.039 | -0.10            | 23.01                 | 24.00               | 0.075                   | Battery 1#            | /         |
| Right Side   | 10mm  | 26775/822.5              | 15M QPSK 50%RB#18 | 0.199              | 0.133 | -0.06            | 23.01                 | 24.00               | 0.250                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 26775/822.5              | 15M QPSK 50%RB#18 | 0.115              | 0.064 | 0.19             | 23.01                 | 24.00               | 0.144                   | Battery 1#            | /         |
| Back Side  | 10mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.291              | 0.173 | 0.00             | 24.01                 | 25.00               | 0.366                   | Battery 2#            | /         |
| Back Side  | 10mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.274              | 0.164 | 0.00             | 24.01                 | 25.00               | 0.344                   | With SIM2             | /         |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 26865/831.5              | 15M QPSK 1RB#0    | 0.212              | 0.124 | -0.11            | 23.55                 | 24.50               | 0.264                   | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 26775/822.5              | 15M QPSK 1RB#38   | 0.240              | 0.146 | -0.15            | 24.01                 | 25.00               | 0.301                   | Battery 2#            | Yes       |

Table 193: Hotspot SAR test results of LTE Band 26

### 7.2.13 SAR measurement Result of LTE Band 38

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 38150/2610               | 20M QPSK 1RB#50   | 0.158              | 0.076 | 0.05             | 13.91                 | 14.50               | 0.181                   | Battery 1#            | /         |
| Left tilt  | 38150/2610               | 20M QPSK 1RB#50   | 0.199              | 0.095 | -0.04            | 13.91                 | 14.50               | 0.228                   | Battery 1#            | /         |
| Right cheek  | 38150/2610               | 20M QPSK 1RB#50   | 0.299              | 0.121 | -0.07            | 13.91                 | 14.50               | 0.343                   | Battery 1#            | /         |
| Right tilt   | 38150/2610               | 20M QPSK 1RB#50   | 0.362              | 0.145 | 0.04             | 13.91                 | 14.50               | 0.415                   | Battery 1#            | /         |
| Left cheek   | 38150/2610               | 20M QPSK 50%RB#50 | 0.176              | 0.079 | 0.01             | 14.05                 | 14.50               | 0.195                   | Battery 1#            | /         |
| Left tilt  | 38150/2610               | 20M QPSK 50%RB#50 | 0.220              | 0.098 | -0.01            | 14.05                 | 14.50               | 0.244                   | Battery 1#            | /         |
| Right cheek  | 38150/2610               | 20M QPSK 50%RB#50 | 0.305              | 0.122 | 0.18             | 14.05                 | 14.50               | 0.338                   | Battery 1#            | /         |
| Right tilt   | 38150/2610               | 20M QPSK 50%RB#50 | 0.358              | 0.144 | 0.13             | 14.05                 | 14.50               | 0.397                   | Battery 1#            | /         |
| Right tilt   | 38150/2610               | 20M QPSK 1RB#50   | 0.346              | 0.140 | -0.02            | 13.91                 | 14.50               | 0.396                   | Battery 2#            | /         |
| Right tilt   | 38150/2610               | 20M QPSK 1RB#50   | 0.349              | 0.141 | 0.00             | 13.91                 | 14.50               | 0.400                   | With SIM2             | /         |
| Right tilt   | 37850/2580               | 20M QPSK 1RB#50   | 0.326              | 0.130 | 0.03             | 13.85                 | 14.50               | 0.379                   | Battery 1#            | /         |
| Right tilt   | 38000/2595               | 20M QPSK 1RB#50   | 0.340              | 0.136 | -0.04            | 13.88                 | 14.50               | 0.392                   | Battery 1#            | /         |
| Left cheek   | 37901/2585.1(PCC)        | 20M QPSK 1RB#99   | 0.128              | 0.059 | 0.03             | 13.37                 | 14.50               | 0.166                   | Battery 1#            | /         |
|  | 38099/2604.9(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna   |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 38000/2595               | 20M QPSK 1RB#0    | 0.031              | 0.017 | 0.02             | 24.03                 | 24.50               | 0.035                   | Battery 1#            | /         |
| Left tilt  | 38000/2595               | 20M QPSK 1RB#0    | 0.019              | 0.010 | -0.17            | 24.03                 | 24.50               | 0.021                   | Battery 1#            | /         |
| Right cheek  | 38000/2595               | 20M QPSK 1RB#0    | 0.044              | 0.025 | -0.14            | 24.03                 | 24.50               | 0.049                   | Battery 1#            | /         |
| Right tilt   | 38000/2595               | 20M QPSK 1RB#0    | 0.013              | 0.007 | 0.11             | 24.03                 | 24.50               | 0.015                   | Battery 1#            | /         |
| Left cheek   | 38150/2610               | 20M QPSK 50%RB#25 | 0.020              | 0.011 | 0.02             | 23.02                 | 23.50               | 0.023                   | Battery 1#            | /         |
| Left tilt  | 38150/2610               | 20M QPSK 50%RB#25 | 0.020              | 0.010 | 0.11             | 23.02                 | 23.50               | 0.022                   | Battery 1#            | /         |
| Right cheek  | 38150/2610               | 20M QPSK 50%RB#25 | 0.027              | 0.015 | 0.02             | 23.02                 | 23.50               | 0.030                   | Battery 1#            | /         |
| Right tilt   | 38150/2610               | 20M QPSK 50%RB#25 | 0.010              | 0.005 | -0.03            | 23.02                 | 23.50               | 0.011                   | Battery 1#            | /         |
| Right cheek  | 38000/2595               | 20M QPSK 1RB#0    | 0.028              | 0.016 | 0.14             | 24.03                 | 24.50               | 0.031                   | Battery 2#            | /         |
| Right cheek  | 38000/2595               | 20M QPSK 1RB#0    | 0.040              | 0.022 | 0.16             | 24.03                 | 24.50               | 0.045                   | With SIM2             | /         |
| Right cheek  | 37850/2580               | 20M QPSK 1RB#99   | 0.035              | 0.019 | 0.10             | 23.87                 | 24.50               | 0.040                   | Battery 1#            | /         |
| Right cheek  | 38150/2610               | 20M QPSK 1RB#0    | 0.040              | 0.022 | -0.15            | 24.01                 | 24.50               | 0.044                   | Battery 1#            | /         |
| Right cheek  | 38099/2604.9(PCC)        | 20M QPSK 1RB#99   | 0.035              | 0.011 | -0.15            | 23.55                 | 24.50               | 0.043                   | Battery 1#            | /         |
|  | 37901/2585.1(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| LYA-LOC Test at the worst case (Second Antenna)                        |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Right tilt   | 38150/2610               | 20M QPSK 1RB#50   | 0.327              | 0.133 | 0.13             | 13.91                 | 14.50               | 0.375                   | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Right cheek  | 38000/2595               | 20M QPSK 1RB#0    | 0.072              | 0.040 | -0.17            | 24.03                 | 24.50               | 0.081                   | Battery 1#            | Yes       |

Table 194: Head SAR test results of LTE Band 38

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.123              | 0.063 | 0.17             | 20.41                 | 21.00               | 0.141                   | Battery 1#            | /         |
| Back Side  | 15mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.114              | 0.060 | -0.18            | 20.41                 | 21.00               | 0.131                   | Battery 1#            | /         |
| Front Side   | 15mm  | 38150/2610               | 20M QPSK 50%RB#0  | 0.123              | 0.065 | 0.16             | 20.43                 | 21.00               | 0.140                   | Battery 1#            | /         |
| Back Side  | 15mm  | 38150/2610               | 20M QPSK 50%RB#0  | 0.109              | 0.057 | 0.14             | 20.43                 | 21.00               | 0.124                   | Battery 1#            | /         |
| Front Side   | 15mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.104              | 0.054 | -0.06            | 20.41                 | 21.00               | 0.119                   | Battery 2#            | /         |
| Front Side   | 15mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.107              | 0.055 | -0.02            | 20.41                 | 21.00               | 0.123                   | With SIM2             | /         |
| Front Side   | 15mm  | 37901/2585.1(PCC)        | 20M QPSK 1RB#99   | 0.094              | 0.050 | 0.17             | 19.41                 | 21.00               | 0.136                   | Battery 1#            | /         |
|  |       | 38099/2604.9(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.128              | 0.071 | -0.13            | 24.03                 | 24.50               | 0.143                   | Battery 1#            | /         |
| Back Side  | 15mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.146              | 0.079 | -0.15            | 24.03                 | 24.50               | 0.163                   | Battery 1#            | /         |
| Front Side   | 15mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.119              | 0.060 | -0.11            | 23.02                 | 23.50               | 0.133                   | Battery 1#            | /         |
| Back Side  | 15mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.107              | 0.058 | -0.13            | 23.02                 | 23.50               | 0.120                   | Battery 1#            | /         |
| Back Side  | 15mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.121              | 0.066 | -0.18            | 24.03                 | 24.50               | 0.135                   | Battery 2#            | /         |
| Back Side  | 15mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.116              | 0.065 | 0.14             | 24.03                 | 24.50               | 0.129                   | With SIM2             | /         |
| Back Side  | 15mm  | 38099/2604.9(PCC)        | 20M QPSK 1RB#99   | 0.128              | 0.071 | 0.17             | 23.55                 | 24.50               | 0.159                   | Battery 1#            | /         |
|  |       | 37901/2585.1(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| LYA-L0C Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.120              | 0.064 | -0.06            | 20.41                 | 21.00               | 0.137                   | Battery 1#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.162              | 0.091 | 0.12             | 24.03                 | 24.50               | 0.181                   | Battery 1#            | Yes       |

Table 195: Body-Worn SAR test results of LTE Band 38

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.122              | 0.061 | -0.17            | 19.30                 | 20.00               | 0.143                   | Battery 1#            | /         |
| Back Side  | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.175              | 0.087 | 0.08             | 19.30                 | 20.00               | 0.206                   | Battery 1#            | /         |
| Left Side  | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.056              | 0.028 | -0.12            | 19.30                 | 20.00               | 0.065                   | Battery 1#            | /         |
| Right Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.031              | 0.015 | -0.12            | 19.30                 | 20.00               | 0.037                   | Battery 1#            | /         |
| Top Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.444              | 0.219 | -0.14            | 19.30                 | 20.00               | 0.522                   | Battery 1#            | /         |
| Front Side   | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.171              | 0.086 | 0.11             | 19.27                 | 20.00               | 0.202                   | Battery 1#            | /         |
| Back Side  | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.247              | 0.121 | 0.04             | 19.27                 | 20.00               | 0.292                   | Battery 1#            | /         |
| Left Side  | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.105              | 0.049 | -0.12            | 19.27                 | 20.00               | 0.124                   | Battery 1#            | /         |
| Right Side   | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.038              | 0.019 | 0.03             | 19.27                 | 20.00               | 0.045                   | Battery 1#            | /         |
| Top Side   | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.439              | 0.218 | -0.02            | 19.27                 | 20.00               | 0.519                   | Battery 1#            | /         |
| Top Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.358              | 0.174 | -0.05            | 19.30                 | 20.00               | 0.421                   | Battery 2#            | /         |
| Top Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.370              | 0.186 | -0.05            | 19.30                 | 20.00               | 0.435                   | With SIM2             | /         |
| Top Side   | 10mm  | 38099/2604.9 (PCC)       | 20M QPSK 1RB#0    | 0.364              | 0.141 | 0.12             | 19.54                 | 20.00               | 0.405                   | Battery 1#            | /         |
|  |       | 37901/2585.1 (SCC)       | 20M QPSK 1RB#99   |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.268              | 0.142 | 0.00             | 24.03                 | 24.50               | 0.299                   | Battery 1#            | /         |
| Back Side  | 10mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.310              | 0.164 | 0.14             | 24.03                 | 24.50               | 0.345                   | Battery 1#            | /         |
| Left Side  | 10mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.130              | 0.065 | -0.07            | 24.03                 | 24.50               | 0.145                   | Battery 1#            | /         |
| Right Side   | 10mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.038              | 0.016 | 0.04             | 24.03                 | 24.50               | 0.042                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.292              | 0.159 | -0.03            | 24.03                 | 24.50               | 0.325                   | Battery 1#            | /         |
| Front Side   | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.159              | 0.083 | 0.01             | 23.02                 | 23.50               | 0.178                   | Battery 1#            | /         |
| Back Side  | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.219              | 0.118 | -0.07            | 23.02                 | 23.50               | 0.245                   | Battery 1#            | /         |
| Left Side  | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.085              | 0.042 | -0.04            | 23.02                 | 23.50               | 0.095                   | Battery 1#            | /         |
| Right Side   | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.038              | 0.016 | -0.04            | 23.02                 | 23.50               | 0.042                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.202              | 0.102 | 0.19             | 23.02                 | 23.50               | 0.226                   | Battery 1#            | /         |
| Back Side  | 10mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.262              | 0.142 | 0.15             | 24.03                 | 24.50               | 0.292                   | Battery 2#            | /         |
| Back Side  | 10mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.274              | 0.144 | 0.16             | 24.03                 | 24.50               | 0.305                   | With SIM2             | /         |
| Back Side  | 10mm  | 38099/2604.9 (PCC)       | 20M QPSK 1RB#99   | 0.259              | 0.139 | -0.16            | 23.55                 | 24.50               | 0.322                   | Battery 1#            | /         |
|  |       | 37901/2585.1 (SCC)       | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Top Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.481              | 0.234 | 0.12             | 19.30                 | 20.00               | 0.565                   | Battery 1#            | Yes       |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 38000/2595               | 20M QPSK 1RB#0    | 0.307              | 0.168 | 0.10             | 24.03                 | 24.50               | 0.342                   | Battery 1#            | Yes       |

Table 196: Hotspot SAR test results of LTE Band 38

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction

applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-------------------------------------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                          |                                     |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Front Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.122              | 0.061 | -0.17            | 19.30                 | 21.00               | 0.180                    | Yes                                 |
| Back Side  | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.175              | 0.087 | 0.08             | 19.30                 | 21.00               | 0.259                    | Yes                                 |
| Left Side  | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.056              | 0.028 | -0.12            | 19.30                 | 21.00               | 0.082                    | Yes                                 |
| Right Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.031              | 0.015 | -0.12            | 19.30                 | 21.00               | 0.046                    | Yes                                 |
| Top Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.444              | 0.219 | -0.14            | 19.30                 | 21.00               | 0.657                    | Yes                                 |
| Front Side   | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.171              | 0.086 | 0.11             | 19.27                 | 21.00               | 0.255                    | Yes                                 |
| Back Side  | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.247              | 0.121 | 0.04             | 19.27                 | 21.00               | 0.368                    | Yes                                 |
| Left Side  | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.105              | 0.049 | -0.12            | 19.27                 | 21.00               | 0.156                    | Yes                                 |
| Right Side   | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.038              | 0.019 | 0.03             | 19.27                 | 21.00               | 0.057                    | Yes                                 |
| Top Side   | 10mm  | 38150/2610               | 20M QPSK 50%RB#25 | 0.439              | 0.218 | -0.02            | 19.27                 | 21.00               | 0.654                    | Yes                                 |
| Top Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.358              | 0.174 | -0.05            | 19.30                 | 21.00               | 0.530                    | Yes                                 |
| Top Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.370              | 0.186 | -0.05            | 19.30                 | 21.00               | 0.547                    | Yes                                 |
| Top Side   | 10mm  | 38099/2604.9 (PCC)       | 20M QPSK 1RB#0    | 0.364              | 0.141 | 0.12             | 19.54                 | 21.00               | 0.509                    | Yes                                 |
|  |       | 37901/2585.1 (SCC)       | 20M QPSK 1RB#99   |                    |       |                  |                       |                     |                          |                                     |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Top Side   | 10mm  | 38150/2610               | 20M QPSK 1RB#0    | 0.481              | 0.234 | 0.12             | 19.30                 | 21.00               | 0.711                    | Yes                                 |

Table 197: Product Specific 10-g SAR test reduction evaluation of LTE Band 38

Note : According to the table above , Product Specific 10-g SAR test is not required for this frequency band.



## 7.2.14 SAR measurement Result of LTE Band 41

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 40840/2615               | 20M QPSK 1RB#99   | 0.153              | 0.077 | -0.05            | 13.65                 | 14.50               | 0.186                   | Battery 1#            | /         |
| Left tilt  | 40840/2615               | 20M QPSK 1RB#99   | 0.191              | 0.094 | -0.16            | 13.65                 | 14.50               | 0.232                   | Battery 1#            | /         |
| Right cheek  | 40840/2615               | 20M QPSK 1RB#99   | 0.273              | 0.119 | -0.02            | 13.65                 | 14.50               | 0.332                   | Battery 1#            | /         |
| Right tilt   | 40840/2615               | 20M QPSK 1RB#99   | 0.292              | 0.128 | -0.08            | 13.65                 | 14.50               | 0.355                   | Battery 1#            | /         |
| Left cheek   | 40840/2615               | 20M QPSK 50%RB#0  | 0.157              | 0.079 | -0.07            | 13.90                 | 14.50               | 0.180                   | Battery 1#            | /         |
| Left tilt  | 40840/2615               | 20M QPSK 50%RB#0  | 0.186              | 0.092 | 0.08             | 13.90                 | 14.50               | 0.214                   | Battery 1#            | /         |
| Right cheek  | 40840/2615               | 20M QPSK 50%RB#0  | 0.225              | 0.113 | -0.06            | 13.90                 | 14.50               | 0.258                   | Battery 1#            | /         |
| Right tilt   | 40840/2615               | 20M QPSK 50%RB#0  | 0.249              | 0.121 | -0.04            | 13.90                 | 14.50               | 0.286                   | Battery 1#            | /         |
| Right tilt   | 40840/2615               | 20M QPSK 1RB#99   | 0.281              | 0.134 | -0.05            | 13.65                 | 14.50               | 0.342                   | Battery 2#            | /         |
| Right tilt   | 40840/2615               | 20M QPSK 1RB#99   | 0.284              | 0.134 | 0.12             | 13.65                 | 14.50               | 0.345                   | With SIM2             | /         |
| Right tilt   | 40240/2555               | 20M QPSK 1RB#50   | 0.262              | 0.127 | -0.06            | 13.60                 | 14.50               | 0.322                   | Battery 1#            | /         |
| Right tilt   | 40540/2585               | 20M QPSK 1RB#0    | 0.274              | 0.131 | -0.17            | 13.43                 | 14.50               | 0.351                   | Battery 1#            | /         |
| Right tilt   | 41140/2645               | 20M QPSK 1RB#99   | 0.273              | 0.126 | 0.04             | 13.52                 | 14.50               | 0.342                   | Battery 1#            | /         |
| Right cheek  | 40540/2585(PCC)          | 20M QPSK 1RB#99   | 0.349              | 0.154 | -0.04            | 13.26                 | 14.50               | 0.464                   | Battery 1#            | /         |
|  | 40738/2604.8(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna   |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek   | 40840/2615               | 20M QPSK 1RB#0    | 0.017              | 0.009 | 0.11             | 23.24                 | 24.00               | 0.020                   | Battery 1#            | /         |
| Left tilt  | 40840/2615               | 20M QPSK 1RB#0    | 0.017              | 0.009 | -0.02            | 23.24                 | 24.00               | 0.020                   | Battery 1#            | /         |
| Right cheek  | 40840/2615               | 20M QPSK 1RB#0    | 0.040              | 0.024 | 0.17             | 23.24                 | 24.00               | 0.048                   | Battery 1#            | /         |
| Right tilt   | 40840/2615               | 20M QPSK 1RB#0    | 0.012              | 0.007 | 0.10             | 23.24                 | 24.00               | 0.014                   | Battery 1#            | /         |
| Left cheek   | 40840/2615               | 20M QPSK 50%RB#50 | 0.012              | 0.006 | 0.18             | 22.53                 | 23.00               | 0.014                   | Battery 1#            | /         |
| Left tilt  | 40840/2615               | 20M QPSK 50%RB#50 | 0.013              | 0.007 | 0.06             | 22.53                 | 23.00               | 0.015                   | Battery 1#            | /         |
| Right cheek  | 40840/2615               | 20M QPSK 50%RB#50 | 0.019              | 0.010 | 0.15             | 22.53                 | 23.00               | 0.021                   | Battery 1#            | /         |
| Right tilt   | 40840/2615               | 20M QPSK 50%RB#50 | 0.009              | 0.005 | 0.18             | 22.53                 | 23.00               | 0.010                   | Battery 1#            | /         |
| Right cheek  | 40840/2615               | 20M QPSK 1RB#0    | 0.040              | 0.023 | 0.05             | 23.24                 | 24.00               | 0.048                   | Battery 2#            | /         |
| Right cheek  | 40840/2615               | 20M QPSK 1RB#0    | 0.038              | 0.020 | 0.13             | 23.24                 | 24.00               | 0.045                   | With SIM2             | /         |
| Right cheek  | 40240/2555               | 20M QPSK 1RB#0    | 0.028              | 0.015 | -0.07            | 23.19                 | 24.00               | 0.034                   | Battery 1#            | /         |
| Right cheek  | 40540/2585               | 20M QPSK 1RB#0    | 0.036              | 0.019 | -0.12            | 23.14                 | 24.00               | 0.044                   | Battery 1#            | /         |
| Right cheek  | 41140/2645               | 20M QPSK 1RB#50   | 0.047              | 0.027 | -0.13            | 23.20                 | 24.00               | 0.056                   | Battery 1#            | /         |
| Right cheek  | 40840/26159(PCC)         | 20M QPSK 1RB#99   | 0.323              | 0.022 | 0.140            | 23.53                 | 24.00               | 0.042                   | Battery 1#            | /         |
|  | 40642/2595.2(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| LYA-LOC Test at the worst case (Second Antenna)                        |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Right cheek  | 40540/2585(PCC)          | 20M QPSK 1RB#99   | 0.339              | 0.140 | -0.11            | 13.26                 | 14.50               | 0.430                   | Battery 1#            | Yes       |
|  | 40738/2604.8(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| LYA-LOC Test at the worst case (Main Antenna)                          |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Right cheek  | 41140/2645               | 20M QPSK 1RB#50   | 0.071              | 0.040 | 0.16             | 23.20                 | 24.00               | 0.085                   | Battery 1#            | Yes       |

Table 198: Head SAR test results of LTE Band 41

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 40540/2585               | 20M QPSK 1RB#0    | 0.142              | 0.076 | 0.18             | 22.96                 | 23.00               | 0.143                   | Battery 1#            | /         |
| Back Side  | 15mm  | 40540/2585               | 20M QPSK 1RB#0    | 0.127              | 0.075 | 0.13             | 22.96                 | 23.00               | 0.128                   | Battery 1#            | /         |
| Front Side   | 15mm  | 40840/2615               | 20M QPSK 50%RB#0  | 0.178              | 0.101 | -0.14            | 22.33                 | 23.00               | 0.203                   | Battery 1#            | /         |
| Back Side  | 15mm  | 40840/2615               | 20M QPSK 50%RB#0  | 0.163              | 0.086 | -0.02            | 22.33                 | 23.00               | 0.190                   | Battery 1#            | /         |
| Front Side   | 15mm  | 40840/2615               | 20M QPSK 50%RB#0  | 0.150              | 0.079 | -0.11            | 22.33                 | 23.00               | 0.175                   | Battery 2#            | /         |
| Front Side   | 15mm  | 40840/2615               | 20M QPSK 50%RB#0  | 0.148              | 0.079 | 0.16             | 22.33                 | 23.00               | 0.173                   | With SIM2             | /         |
| Front Side   | 15mm  | 40540/2585(PCC)          | 20M QPSK 1RB#99   | 0.169              | 0.096 | 0.00             | 21.69                 | 23.00               | 0.229                   | Battery 1#            | /         |
|  |       | 40738/2604.8(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.121              | 0.072 | 0.18             | 23.24                 | 24.00               | 0.144                   | Battery 1#            | /         |
| Back Side  | 15mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.144              | 0.087 | 0.08             | 23.24                 | 24.00               | 0.172                   | Battery 1#            | /         |
| Front Side   | 15mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.084              | 0.046 | -0.16            | 22.53                 | 23.00               | 0.094                   | Battery 1#            | /         |
| Back Side  | 15mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.094              | 0.055 | 0.15             | 22.53                 | 23.00               | 0.105                   | Battery 1#            | /         |
| Back Side  | 15mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.146              | 0.087 | 0.19             | 23.24                 | 24.00               | 0.174                   | Battery 2#            | /         |
| Back Side  | 15mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.138              | 0.075 | -0.13            | 23.24                 | 24.00               | 0.164                   | With SIM2             | /         |
| Back Side  | 15mm  | 40840/2615(PCC)          | 20M QPSK 1RB#99   | 0.139              | 0.082 | 0.13             | 23.53                 | 24.00               | 0.155                   | Battery 2#            | /         |
|  |       | 40642/2595.2(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 40540/2585( PCC)         | 20M QPSK 1RB#99   | 0.178              | 0.106 | -0.18            | 21.69                 | 23.00               | 0.241                   | Battery 1#            | Yes       |
|  |       | 40738/2604.8(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| LYA-LOC Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.135              | 0.085 | -0.16            | 23.24                 | 24.00               | 0.161                   | Battery 2#            | Yes       |

Table 199: Body-Worn SAR test results of LTE Band 41



| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.271              | 0.138 | 0.13             | 19.76                 | 20.50               | 0.321                   | Battery 1#            | /         |
| Back Side  | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.506              | 0.263 | 0.00             | 19.76                 | 20.50               | 0.600                   | Battery 1#            | /         |
| Left Side  | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.194              | 0.093 | -0.11            | 19.76                 | 20.50               | 0.230                   | Battery 1#            | /         |
| Right Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.044              | 0.025 | 0.18             | 19.76                 | 20.50               | 0.052                   | Battery 1#            | /         |
| Top Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.536              | 0.270 | 0.06             | 19.76                 | 20.50               | 0.636                   | Battery 1#            | /         |
| Front Side   | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.331              | 0.164 | 0.19             | 19.86                 | 20.50               | 0.384                   | Battery 1#            | /         |
| Back Side  | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.306              | 0.151 | 0.19             | 19.86                 | 20.50               | 0.355                   | Battery 1#            | /         |
| Left Side  | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.170              | 0.082 | -0.06            | 19.86                 | 20.50               | 0.197                   | Battery 1#            | /         |
| Right Side   | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.040              | 0.022 | 0.05             | 19.86                 | 20.50               | 0.046                   | Battery 1#            | /         |
| Top Side   | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.509              | 0.237 | -0.16            | 19.86                 | 20.50               | 0.590                   | Battery 1#            | /         |
| Top Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.461              | 0.222 | -0.17            | 19.76                 | 20.50               | 0.547                   | Battery 2#            | /         |
| Top Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.458              | 0.223 | -0.16            | 19.76                 | 20.50               | 0.543                   | With SIM2             | /         |
| Top Side   | 10mm  | 40540/2585(PCC)          | 20M QPSK 1RB#99   | 0.403              | 0.219 | -0.15            | 19.21                 | 20.50               | 0.542                   | Battery 1#            | /         |
|  |       | 40738/2604.8(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| Main Antenna   |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.247              | 0.131 | -0.19            | 23.24                 | 24.00               | 0.294                   | Battery 1#            | /         |
| Back Side  | 10mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.292              | 0.167 | 0.11             | 23.24                 | 24.00               | 0.348                   | Battery 1#            | /         |
| Left Side  | 10mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.102              | 0.052 | -0.17            | 23.24                 | 24.00               | 0.122                   | Battery 1#            | /         |
| Right Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.036              | 0.017 | 0.02             | 23.24                 | 24.00               | 0.043                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.197              | 0.106 | -0.12            | 23.24                 | 24.00               | 0.235                   | Battery 1#            | /         |
| Front Side   | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.189              | 0.099 | 0.19             | 22.53                 | 23.00               | 0.211                   | Battery 1#            | /         |
| Back Side  | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.215              | 0.114 | -0.19            | 22.53                 | 23.00               | 0.240                   | Battery 1#            | /         |
| Left Side  | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.068              | 0.036 | 0.18             | 22.53                 | 23.00               | 0.076                   | Battery 1#            | /         |
| Right Side   | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.026              | 0.012 | 0.13             | 22.53                 | 23.00               | 0.029                   | Battery 1#            | /         |
| Bottom Side  | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.142              | 0.077 | -0.18            | 22.53                 | 23.00               | 0.158                   | Battery 1#            | /         |
| Back Side  | 10mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.295              | 0.169 | 0.02             | 23.24                 | 24.00               | 0.351                   | Battery 2#            | /         |
| Back Side  | 10mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.246              | 0.130 | 0.11             | 23.24                 | 24.00               | 0.293                   | With SIM2             | /         |
| Back Side  | 10mm  | 40840/2615(PCC)          | 20M QPSK 1RB#99   | 0.260              | 0.148 | -0.17            | 23.53                 | 24.00               | 0.290                   | Battery 2#            | /         |
|  |       | 40642/2595.2(SCC)        | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                         |                       |           |
| LYA-L0C Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Top Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.495              | 0.248 | 0.11             | 19.76                 | 20.50               | 0.587                   | Battery 1#            | Yes       |
| LYA-L0C Test at the worst case (Main Antenna)                          |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 40840/2615               | 20M QPSK 1RB#0    | 0.232              | 0.142 | 0.14             | 23.24                 | 24.00               | 0.276                   | Battery 2#            | Yes       |

Table 200: Hotspot SAR test results of LTE Band 41

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|--|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-------------------------------------|
|  |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                          |                                     |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Second Antenna   |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Front Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.271              | 0.138 | 0.13             | 19.76                 | 23.00               | 0.571                    | Yes                                 |
| Back Side  | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.506              | 0.263 | 0.00             | 19.76                 | 23.00               | 1.067                    | Yes                                 |
| Left Side  | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.194              | 0.093 | -0.11            | 19.76                 | 23.00               | 0.409                    | Yes                                 |
| Right Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.044              | 0.025 | 0.18             | 19.76                 | 23.00               | 0.092                    | Yes                                 |
| Top Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.536              | 0.270 | 0.06             | 19.76                 | 23.00               | 1.130                    | Yes                                 |
| Front Side   | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.331              | 0.164 | 0.19             | 19.86                 | 23.00               | 0.682                    | Yes                                 |
| Back Side  | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.306              | 0.151 | 0.19             | 19.86                 | 23.00               | 0.631                    | Yes                                 |
| Left Side  | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.170              | 0.082 | -0.06            | 19.86                 | 23.00               | 0.350                    | Yes                                 |
| Right Side   | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.040              | 0.022 | 0.05             | 19.86                 | 23.00               | 0.082                    | Yes                                 |
| Top Side   | 10mm  | 40840/2615               | 20M QPSK 50%RB#50 | 0.509              | 0.237 | -0.16            | 19.86                 | 23.00               | 1.049                    | Yes                                 |
| Top Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.461              | 0.222 | -0.17            | 19.76                 | 23.00               | 0.972                    | Yes                                 |
| Top Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.458              | 0.223 | -0.16            | 19.76                 | 23.00               | 0.966                    | Yes                                 |
| Top Side   | 10mm  | 40540/2585 (PCC)         | 20M QPSK 1RB#99   | 0.403              | 0.219 | -0.15            | 13.26                 | 23.00               | 0.965                    | Yes                                 |
|  |       | 40738/2604.8 (SCC)       | 20M QPSK 1RB#0    |                    |       |                  |                       |                     |                          |                                     |
| LYA-LOC Test at the worst case (Second Antenna)                        |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Top Side   | 10mm  | 40840/2615               | 20M QPSK 1RB#99   | 0.495              | 0.248 | 0.11             | 19.76                 | 23.00               | 1.044                    | Yes                                 |

Table 201: Product Specific 10-g SAR test reduction evaluation of LTE Band 41

Note : According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

## 7.2.15 SAR measurement Result of LTE Band 66

| Test Position of Head | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|-----------------------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna        |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek            | 132072/1720              | 20M QPSK 1RB#0    | 0.332              | 0.175 | -0.13            | 14.31                 | 15.50               | 0.437                   | Battery 1#            | /         |
| Left tilt             | 132072/1720              | 20M QPSK 1RB#0    | 0.265              | 0.151 | -0.15            | 14.31                 | 15.50               | 0.349                   | Battery 1#            | /         |
| Right cheek           | 132072/1720              | 20M QPSK 1RB#0    | 0.343              | 0.161 | -0.05            | 14.31                 | 15.50               | 0.451                   | Battery 1#            | /         |
| Right tilt            | 132072/1720              | 20M QPSK 1RB#0    | 0.419              | 0.198 | -0.13            | 14.31                 | 15.50               | 0.551                   | Battery 1#            | Yes       |
| Left cheek            | 132072/1720              | 20M QPSK 50%RB#0  | 0.323              | 0.167 | -0.15            | 14.33                 | 15.50               | 0.423                   | Battery 1#            | /         |
| Left tilt             | 132072/1720              | 20M QPSK 50%RB#0  | 0.237              | 0.131 | -0.19            | 14.33                 | 15.50               | 0.310                   | Battery 1#            | /         |
| Right cheek           | 132072/1720              | 20M QPSK 50%RB#0  | 0.372              | 0.185 | 0.05             | 14.33                 | 15.50               | 0.487                   | Battery 1#            | /         |
| Right tilt            | 132072/1720              | 20M QPSK 50%RB#0  | 0.407              | 0.193 | -0.17            | 14.33                 | 15.50               | 0.533                   | Battery 1#            | /         |
| Right tilt            | 132072/1720              | 20M QPSK 1RB#0    | 0.390              | 0.202 | 0.08             | 14.31                 | 15.50               | 0.513                   | Battery 2#            | /         |
| Right tilt            | 132322/1745              | 20M QPSK 1RB#0    | 0.354              | 0.168 | -0.11            | 14.22                 | 15.50               | 0.475                   | Battery 1#            | /         |
| Right tilt            | 132572/1770              | 20M QPSK 1RB#99   | 0.298              | 0.132 | -0.08            | 14.23                 | 15.50               | 0.399                   | Battery 1#            | /         |
| Main Antenna          |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Left cheek            | 132072/1720              | 20M QPSK 1RB#99   | 0.141              | 0.092 | -0.06            | 23.73                 | 24.50               | 0.168                   | Battery 1#            | Yes       |
| Left tilt             | 132072/1720              | 20M QPSK 1RB#99   | 0.050              | 0.028 | 0.01             | 23.73                 | 24.50               | 0.060                   | Battery 1#            | /         |
| Right cheek           | 132072/1720              | 20M QPSK 1RB#99   | 0.074              | 0.050 | 0.12             | 23.73                 | 24.50               | 0.089                   | Battery 1#            | /         |
| Right tilt            | 132072/1720              | 20M QPSK 1RB#99   | 0.056              | 0.034 | 0.04             | 23.73                 | 24.50               | 0.067                   | Battery 1#            | /         |
| Left cheek            | 132572/1770              | 20M QPSK 50%RB#25 | 0.094              | 0.055 | 0.13             | 22.40                 | 23.50               | 0.122                   | Battery 1#            | /         |
| Left tilt             | 132572/1770              | 20M QPSK 50%RB#25 | 0.044              | 0.025 | 0.12             | 22.40                 | 23.50               | 0.057                   | Battery 1#            | /         |
| Left cheek            | 132072/1720              | 20M QPSK 1RB#99   | 0.120              | 0.079 | -0.06            | 23.73                 | 24.50               | 0.143                   | Battery 2#            | /         |
| Left cheek            | 132322/1745              | 20M QPSK 1RB#0    | 0.132              | 0.076 | 0.05             | 23.50                 | 24.50               | 0.166                   | Battery 1#            | /         |
| Left cheek            | 132572/1770              | 20M QPSK 1RB#0    | 0.099              | 0.058 | -0.17            | 23.56                 | 24.50               | 0.123                   | Battery 1#            | /         |

Table 202: Head SAR test results of LTE Band 66

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|----------------------------|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                            |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna             |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side                 | 15mm  | 132072/1720              | 20M QPSK 1RB#0    | 0.091              | 0.053 | -0.06            | 20.90                 | 22.00               | 0.117                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 132072/1720              | 20M QPSK 1RB#0    | 0.181              | 0.107 | -0.07            | 20.90                 | 22.00               | 0.233                   | Battery 1#            | Yes       |
| Front Side                 | 15mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.127              | 0.072 | -0.17            | 20.83                 | 22.00               | 0.166                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.134              | 0.079 | -0.05            | 20.83                 | 22.00               | 0.175                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 132072/1720              | 20M QPSK 1RB#0    | 0.148              | 0.086 | -0.08            | 20.90                 | 22.00               | 0.191                   | Battery 2#            | /         |
| Main Antenna               |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side                 | 15mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.688              | 0.428 | 0.15             | 23.73                 | 24.50               | 0.821                   | Battery 1#            | /         |
| Front Side                 | 15mm  | 132322/1745              | 20M QPSK 1RB#0    | 0.748              | 0.465 | 0.09             | 23.50                 | 24.50               | 0.942                   | Battery 1#            | /         |
| Front Side                 | 15mm  | 132572/1770              | 20M QPSK 1RB#0    | 0.765              | 0.472 | 0.10             | 23.56                 | 24.50               | 0.950                   | Battery 1#            | Yes       |
| Back Side                  | 15mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.703              | 0.445 | -0.07            | 23.73                 | 24.50               | 0.839                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 132322/1745              | 20M QPSK 1RB#0    | 0.721              | 0.460 | -0.11            | 23.50                 | 24.50               | 0.908                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 132572/1770              | 20M QPSK 1RB#0    | 0.743              | 0.472 | -0.06            | 23.56                 | 24.50               | 0.923                   | Battery 1#            | /         |
| Front Side                 | 15mm  | 132572/1770              | 20M QPSK 50%RB#25 | 0.479              | 0.278 | -0.13            | 22.40                 | 23.50               | 0.617                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 132572/1770              | 20M QPSK 50%RB#25 | 0.455              | 0.255 | -0.13            | 22.40                 | 23.50               | 0.586                   | Battery 1#            | /         |
| Front Side                 | 15mm  | 132572/1770              | 20M QPSK 100%RB#0 | 0.392              | 0.223 | -0.06            | 22.42                 | 23.50               | 0.503                   | Battery 1#            | /         |
| Front Side                 | 15mm  | 132572/1770              | 20M QPSK 1RB#0    | 0.721              | 0.448 | -0.01            | 23.56                 | 24.50               | 0.895                   | Battery 2#            | /         |

Table 203: Body-Worn SAR test results of LTE Band 66

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--------------------------|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                          |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                         |                       |           |
| Second Antenna           |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side               | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.199              | 0.106 | 0.07             | 18.42                 | 19.50               | 0.255                   | Battery 1#            | /         |
| Back Side                | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.157              | 0.088 | 0.19             | 18.42                 | 19.50               | 0.201                   | Battery 1#            | /         |
| Left Side                | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.010              | 0.006 | 0.07             | 18.42                 | 19.50               | 0.013                   | Battery 1#            | /         |
| Right Side               | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.007              | 0.004 | 0.08             | 18.42                 | 19.50               | 0.009                   | Battery 1#            | /         |
| Top Side                 | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.217              | 0.104 | 0.15             | 18.42                 | 19.50               | 0.278                   | Battery 1#            | /         |
| Front Side               | 10mm  | 132072/1720              | 20M QPSK 50%RB#50 | 0.163              | 0.092 | 0.16             | 18.36                 | 19.50               | 0.212                   | Battery 1#            | /         |
| Back Side                | 10mm  | 132072/1720              | 20M QPSK 50%RB#50 | 0.133              | 0.071 | -0.02            | 18.36                 | 19.50               | 0.173                   | Battery 1#            | /         |
| Left Side                | 10mm  | 132072/1720              | 20M QPSK 50%RB#50 | 0.010              | 0.006 | 0.02             | 18.36                 | 19.50               | 0.013                   | Battery 1#            | /         |
| Right Side               | 10mm  | 132072/1720              | 20M QPSK 50%RB#50 | 0.008              | 0.004 | -0.11            | 18.36                 | 19.50               | 0.010                   | Battery 1#            | /         |
| Top Side                 | 10mm  | 132072/1720              | 20M QPSK 50%RB#50 | 0.214              | 0.102 | -0.15            | 18.36                 | 19.50               | 0.278                   | Battery 1#            | /         |
| Top Side                 | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.248              | 0.120 | -0.10            | 18.42                 | 19.50               | 0.318                   | Battery 2#            | Yes       |
| Main Antenna             |       |                          |                   |                    |       |                  |                       |                     |                         |                       |           |
| Front Side               | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.203              | 0.105 | 0.09             | 16.64                 | 17.50               | 0.247                   | Battery 1#            | /         |
| Back Side                | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.241              | 0.144 | 0.15             | 16.64                 | 17.50               | 0.294                   | Battery 1#            | /         |
| Left Side                | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.014              | 0.009 | 0.16             | 16.64                 | 17.50               | 0.017                   | Battery 1#            | /         |
| Right Side               | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.035              | 0.018 | 0.11             | 16.64                 | 17.50               | 0.042                   | Battery 1#            | /         |
| Bottom Side              | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.442              | 0.236 | 0.05             | 16.64                 | 17.50               | 0.539                   | Battery 1#            | Yes       |
| Front Side               | 10mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.201              | 0.108 | 0.14             | 16.57                 | 17.50               | 0.249                   | Battery 1#            | /         |
| Back Side                | 10mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.224              | 0.124 | 0.04             | 16.57                 | 17.50               | 0.277                   | Battery 1#            | /         |
| Left Side                | 10mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.013              | 0.008 | 0.12             | 16.57                 | 17.50               | 0.016                   | Battery 1#            | /         |
| Right Side               | 10mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.032              | 0.017 | 0.12             | 16.57                 | 17.50               | 0.040                   | Battery 1#            | /         |
| Bottom Side              | 10mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.384              | 0.188 | -0.07            | 16.57                 | 17.50               | 0.476                   | Battery 1#            | /         |
| Bottom Side              | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.413              | 0.221 | -0.13            | 16.64                 | 17.50               | 0.503                   | Battery 2#            | /         |

Table 204: Hotspot SAR test results of LTE Band 66

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Scaled-up 1-g SAR (W/kg) | Product Specific 10-g SAR Exclusion |
|--------------------------|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-------------------------------------|
|                          |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                          |                                     |
| Second Antenna           |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Front Side               | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.199              | 0.106 | 0.07             | 18.42                 | 22.00               | 0.454                    | Yes                                 |
| Back Side                | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.157              | 0.088 | 0.19             | 18.42                 | 22.00               | 0.358                    | Yes                                 |
| Left Side                | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.010              | 0.006 | 0.07             | 18.42                 | 22.00               | 0.024                    | Yes                                 |
| Right Side               | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.007              | 0.004 | 0.08             | 18.42                 | 22.00               | 0.016                    | Yes                                 |
| Top Side                 | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.217              | 0.104 | 0.15             | 18.42                 | 22.00               | 0.495                    | Yes                                 |
| Front Side               | 10mm  | 132072/1720              | 20M QPSK 50%RB#50 | 0.163              | 0.092 | 0.16             | 18.36                 | 22.00               | 0.377                    | Yes                                 |
| Back Side                | 10mm  | 132072/1720              | 20M QPSK 50%RB#50 | 0.133              | 0.071 | -0.02            | 18.36                 | 22.00               | 0.308                    | Yes                                 |
| Left Side                | 10mm  | 132072/1720              | 20M QPSK 50%RB#50 | 0.010              | 0.006 | 0.02             | 18.36                 | 22.00               | 0.024                    | Yes                                 |
| Right Side               | 10mm  | 132072/1720              | 20M QPSK 50%RB#50 | 0.008              | 0.004 | -0.11            | 18.36                 | 22.00               | 0.018                    | Yes                                 |
| Top Side                 | 10mm  | 132072/1720              | 20M QPSK 50%RB#50 | 0.214              | 0.102 | -0.15            | 18.36                 | 22.00               | 0.495                    | Yes                                 |
| Top Side                 | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.248              | 0.120 | -0.10            | 18.42                 | 22.00               | 0.566                    | Yes                                 |
| Top Side                 | 10mm  | 132322/1745              | 20M QPSK 1RB#0    | 0.211              | 0.100 | 0.01             | 18.30                 | 22.00               | 0.495                    | Yes                                 |
| Top Side                 | 10mm  | 132572/1770              | 20M QPSK 1RB#99   | 0.162              | 0.078 | -0.07            | 18.29                 | 22.00               | 0.381                    | Yes                                 |
| Main Antenna             |       |                          |                   |                    |       |                  |                       |                     |                          |                                     |
| Front Side               | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.203              | 0.105 | 0.09             | 16.64                 | 24.50               | 1.240                    | No                                  |
| Back Side                | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.241              | 0.144 | 0.15             | 16.64                 | 24.50               | 1.472                    | No                                  |
| Left Side                | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.014              | 0.009 | 0.16             | 16.64                 | 24.50               | 0.083                    | Yes                                 |
| Right Side               | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.035              | 0.018 | 0.11             | 16.64                 | 24.50               | 0.212                    | Yes                                 |
| Bottom Side              | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.442              | 0.236 | 0.05             | 16.64                 | 24.50               | 2.700                    | No                                  |
| Front Side               | 10mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.201              | 0.108 | 0.14             | 16.57                 | 24.50               | 1.248                    | No                                  |
| Back Side                | 10mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.224              | 0.124 | 0.04             | 16.57                 | 24.50               | 1.391                    | No                                  |
| Left Side                | 10mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.013              | 0.008 | 0.12             | 16.57                 | 24.50               | 0.079                    | Yes                                 |
| Right Side               | 10mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.032              | 0.017 | 0.12             | 16.57                 | 24.50               | 0.201                    | Yes                                 |
| Bottom Side              | 10mm  | 132072/1720              | 20M QPSK 50%RB#0  | 0.384              | 0.188 | -0.07            | 16.57                 | 24.50               | 2.384                    | No                                  |
| Bottom Side              | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.413              | 0.221 | -0.13            | 16.64                 | 24.50               | 2.523                    | No                                  |
| Bottom Side              | 10mm  | 132072/1720              | 20M QPSK 1RB#99   | 0.420              | 0.225 | -0.14            | 16.64                 | 24.50               | 2.566                    | No                                  |
| Bottom Side              | 10mm  | 132322/1745              | 20M QPSK 1RB#0    | 0.398              | 0.197 | 0.07             | 16.54                 | 24.50               | 2.488                    | No                                  |
| Bottom Side              | 10mm  | 132572/1770              | 20M QPSK 1RB#99   | 0.395              | 0.195 | 0.10             | 16.53                 | 24.50               | 2.475                    | No                                  |

Table 205: Product Specific 10-g SAR test reduction evaluation of LTE Band 66

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Front Side,Back Side,Bottom Side (Main antenna)

| Product Specific 10-g SAR   | Dist. | Test Channel /Freq.(MHz) | Test Mode         | Measured SAR(W/kg) |       | Power Drift (dB) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-0g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-------------------|--------------------|-------|------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
|   |       |                          |                   | 1-g                | 10-g  |                  |                       |                     |                          |                       |           |
| Main Antenna  |       |                          |                   |                    |       |                  |                       |                     |                          |                       |           |
| Front Side  | 0mm   | 132072/1720              | 20M QPSK 1RB#99   | 1.890              | 0.837 | 0.10             | 18.67                 | 19.50               | 1.013                    | Battery 1#            | /         |
| Back Side   | 0mm   | 132072/1720              | 20M QPSK 1RB#99   | 1.830              | 0.862 | 0.12             | 18.67                 | 19.50               | 1.044                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 132072/1720              | 20M QPSK 1RB#99   | 1.760              | 0.770 | -0.14            | 18.67                 | 19.50               | 0.932                    | Battery 1#            | /         |
| Front Side  | 0mm   | 132322/1745              | 20M QPSK 50%RB#0  | 1.890              | 0.877 | 0.01             | 18.51                 | 19.50               | 1.102                    | Battery 1#            | /         |
| Back Side   | 0mm   | 132322/1745              | 20M QPSK 50%RB#0  | 1.870              | 0.875 | 0.02             | 18.51                 | 19.50               | 1.099                    | Battery 1#            | /         |
| Bottom Side   | 0mm   | 132322/1745              | 20M QPSK 50%RB#0  | 1.660              | 0.724 | -0.16            | 18.51                 | 19.50               | 0.909                    | Battery 1#            | /         |
| Back Side   | 0mm   | 132322/1745              | 20M QPSK 50%RB#0  | 2.940              | 1.360 | 0.13             | 18.51                 | 19.50               | 1.708                    | Battery 2#            | /         |
| Back Side   | 0mm   | 132072/1720              | 20M QPSK 50%RB#50 | 2.770              | 1.280 | 0.17             | 18.50                 | 19.50               | 1.611                    | Battery 2#            | /         |
| Back Side   | 0mm   | 132572/1770              | 20M QPSK 50%RB#50 | 2.920              | 1.330 | 0.12             | 18.39                 | 19.50               | 1.717                    | Battery 2#            | /         |
| Additional SAR test at a conservative distance(triggering distance minus 1mm) |       |                          |                   |                    |       |                  |                       |                     |                          |                       |           |
| Front Side  | 3mm   | 132072/1720              | 20M QPSK 1RB#99   | 4.390              | 2.130 | 0.19             | 23.73                 | 24.50               | 2.543                    | Battery 2#            | Yes       |
| Front Side Repeat   | 3mm   | 132072/1720              | 20M QPSK 1RB#99   | 4.290              | 2.110 | 0.18             | 23.73                 | 24.50               | 2.519                    | Battery 2#            | /         |
| Front Side  | 3mm   | 132322/1745              | 20M QPSK 1RB#0    | 2.660              | 1.460 | 0.10             | 23.50                 | 24.50               | 1.838                    | Battery 2#            | /         |
| Front Side  | 3mm   | 132572/1770              | 20M QPSK 1RB#0    | 2.850              | 1.560 | 0.13             | 23.56                 | 24.50               | 1.937                    | Battery 2#            | /         |
| Back Side   | 4mm   | 132072/1720              | 20M QPSK 1RB#99   | 3.490              | 1.830 | 0.17             | 23.73                 | 24.50               | 2.185                    | Battery 2#            | /         |
| Back Side   | 4mm   | 132322/1745              | 20M QPSK 1RB#0    | 3.680              | 1.930 | 0.19             | 23.50                 | 24.50               | 2.430                    | Battery 2#            | /         |
| Back Side   | 4mm   | 132572/1770              | 20M QPSK 1RB#0    | 3.930              | 2.070 | 0.19             | 23.56                 | 24.50               | 2.570                    | Battery 2#            | /         |
| Back Side repeat  | 4mm   | 132572/1770              | 20M QPSK 1RB#0    | 3.650              | 1.940 | 0.16             | 23.56                 | 24.50               | 2.409                    | Battery 2#            | /         |
| Bottom Side   | 8mm   | 132072/1720              | 20M QPSK 1RB#99   | 2.570              | 1.210 | 0.09             | 23.73                 | 24.50               | 1.445                    | Battery 2#            | /         |
| Front Side  | 3mm   | 132572/1770              | 20M QPSK 50%RB#25 | 2.220              | 1.070 | 0.00             | 22.40                 | 23.50               | 1.378                    | Battery 2#            | /         |
| Back Side   | 4mm   | 132572/1770              | 20M QPSK 50%RB#25 | 3.120              | 1.620 | 0.16             | 22.40                 | 23.50               | 2.087                    | Battery 2#            | /         |
| Back Side   | 4mm   | 132072/1720              | 20M QPSK 50%RB#25 | 2.500              | 1.320 | 0.11             | 22.39                 | 23.50               | 1.704                    | Battery 2#            | /         |
| Back Side   | 4mm   | 132322/1745              | 20M QPSK 50%RB#0  | 2.800              | 1.480 | 0.14             | 22.39                 | 23.50               | 1.911                    | Battery 2#            | /         |
| Bottom Side   | 8mm   | 132572/1770              | 20M QPSK 50%RB#25 | 2.160              | 1.010 | -0.01            | 22.40                 | 23.50               | 1.301                    | Battery 2#            | /         |
| Back Side   | 4mm   | 132572/1770              | 20M QPSK 100%RB#0 | 2.420              | 1.070 | -0.08            | 22.42                 | 23.50               | 1.372                    | Battery 2#            | /         |

Table 206: Product Specific 10-g SAR SAR test results of LTE Band 66

### 7.2.16 SAR measurement Result of WiFi 2.4G

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |           |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| ANT1   |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Left cheek   | 6/2437                   | 802.11b   | 0.242                    | 0.192              | 0.100 | -0.17            | 99%               | 0.194                 | 11.55                 | 12.50               | 0.241                   | Battery 1#            | /         |
| Left tilt  | 6/2437                   | 802.11b   | 0.265                    | 0.224              | 0.106 | -0.09            | 99%               | 0.226                 | 11.55                 | 12.50               | 0.282                   | Battery 1#            | /         |
| Right cheek  | 6/2437                   | 802.11b   | 0.117                    | 0.117              | 0.063 | -0.07            | 99%               | 0.118                 | 11.55                 | 12.50               | 0.147                   | Battery 1#            | /         |
| Right tilt   | 6/2437                   | 802.11b   | 0.126                    | 0.128              | 0.066 | 0.12             | 99%               | 0.129                 | 11.55                 | 12.50               | 0.161                   | Battery 1#            | /         |
| Left tilt  | 6/2437                   | 802.11b   | 0.236                    | 0.204              | 0.097 | -0.15            | 99%               | 0.206                 | 11.55                 | 12.50               | 0.256                   | Battery 2#            | /         |
| Left tilt  | 1/2412                   | 802.11b   | 0.221                    | 0.189              | 0.094 | -0.14            | 99%               | 0.191                 | 11.38                 | 12.50               | 0.247                   | Battery 1#            | /         |
| Left tilt  | 11/2462                  | 802.11b   | 0.244                    | 0.217              | 0.103 | -0.10            | 99%               | 0.219                 | 11.37                 | 12.50               | 0.284                   | Battery 1#            | /         |
| ANT2   |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Left cheek   | 6/2437                   | 802.11b   | 0.030                    | 0.024              | 0.011 | -0.17            | 99%               | 0.025                 | 11.17                 | 12.50               | 0.033                   | Battery 1#            | /         |
| Left tilt  | 6/2437                   | 802.11b   | 0.031                    | 0.025              | 0.011 | -0.12            | 99%               | 0.025                 | 11.17                 | 12.50               | 0.034                   | Battery 1#            | /         |
| Right cheek  | 6/2437                   | 802.11b   | 0.010                    | /                  | /     | -0.19            | 99%               | /                     | 11.17                 | 12.50               | /                       | Battery 1#            | /         |
| Right tilt   | 6/2437                   | 802.11b   | 0.010                    | /                  | /     | -0.13            | 99%               | /                     | 11.17                 | 12.50               | /                       | Battery 1#            | /         |
| Left tilt  | 6/2437                   | 802.11b   | 0.021                    | /                  | /     | -0.11            | 99%               | /                     | 11.17                 | 12.50               | /                       | Battery 2#            | /         |
| Left tilt  | 1/2412                   | 802.11b   | 0.025                    | 0.023              | 0.010 | -0.16            | 99%               | 0.023                 | 10.95                 | 12.50               | 0.033                   | Battery 1#            | /         |
| Left tilt  | 11/2462                  | 802.11b   | 0.031                    | 0.025              | 0.012 | -0.12            | 99%               | 0.025                 | 10.61                 | 12.50               | 0.039                   | Battery 1#            | /         |
| LYA-L0C Test at the worst case (ANT1)                                  |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Left tilt  | 11/2462                  | 802.11b   | 0.286                    | 0.247              | 0.114 | 0.04             | 99%               | 0.249                 | 11.37                 | 12.50               | 0.324                   | Battery 1#            | Yes       |
| LYA-L0C Test at the worst case (ANT2)                                  |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Left tilt  | 11/2462                  | 802.11b   | 0.012                    | 0.010              | 0.003 | 0.15             | 99%               | 0.010                 | 10.61                 | 12.50               | 0.016                   | Battery 1#            | /         |

Table 207: Head SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.



| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |           |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of WiFi 2.4G CDD with ANT1                                   |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Left cheek   | 6/2437                   | 802.11g   | 0.302                    | 0.260              | 0.122 | -0.02            | 98%               | 0.265                 | 11.70                 | 12.50               | 0.319                   | Battery 1#            | /         |
| Left tilt  | 6/2437                   | 802.11g   | 0.279                    | 0.220              | 0.113 | -0.02            | 98%               | 0.224                 | 11.70                 | 12.50               | 0.270                   | Battery 1#            | /         |
| Right cheek  | 6/2437                   | 802.11g   | 0.108                    | /                  | /     | -0.02            | 98%               | /                     | 11.70                 | 12.50               | /                       | Battery 1#            | /         |
| Right tilt   | 6/2437                   | 802.11g   | 0.116                    | /                  | /     | -0.14            | 98%               | /                     | 11.70                 | 12.50               | /                       | Battery 1#            | /         |
| Left cheek   | 6/2437                   | 802.11g   | 0.256                    | 0.230              | 0.112 | -0.05            | 98%               | 0.235                 | 11.70                 | 12.50               | 0.282                   | Battery 2#            | /         |
| Left cheek   | 1/2412                   | 802.11g   | 0.276                    | 0.241              | 0.116 | -0.12            | 98%               | 0.246                 | 11.67                 | 12.50               | 0.298                   | Battery 1#            | /         |
| Left cheek   | 11/2462                  | 802.11g   | 0.254                    | 0.244              | 0.117 | -0.08            | 98%               | 0.249                 | 11.58                 | 12.50               | 0.308                   | Battery 1#            | /         |
| Test data of WiFi 2.4G CDD with ANT2                                   |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Left cheek   | 6/2437                   | 802.11g   | 0.026                    | 0.020              | 0.011 | -0.17            | 98%               | 0.020                 | 11.11                 | 12.50               | 0.028                   | Battery 1#            | /         |
| Left tilt  | 6/2437                   | 802.11g   | 0.016                    | /                  | /     | -0.14            | 98%               | /                     | 11.11                 | 12.50               | /                       | Battery 1#            | /         |
| Right cheek  | 6/2437                   | 802.11g   | 0.011                    | /                  | /     | -0.19            | 98%               | /                     | 11.11                 | 12.50               | /                       | Battery 1#            | /         |
| Right tilt   | 6/2437                   | 802.11g   | 0.010                    | /                  | /     | -0.17            | 98%               | /                     | 11.11                 | 12.50               | /                       | Battery 1#            | /         |
| Left cheek   | 6/2437                   | 802.11g   | 0.025                    | 0.023              | 0.010 | -0.16            | 98%               | 0.024                 | 11.11                 | 12.50               | 0.033                   | Battery 2#            | /         |
| Left cheek   | 1/2412                   | 802.11g   | 0.026                    | 0.024              | 0.011 | -0.17            | 98%               | 0.024                 | 11.09                 | 12.50               | 0.034                   | Battery 1#            | /         |
| Left cheek   | 11/2462                  | 802.11g   | 0.027                    | 0.027              | 0.011 | -0.13            | 98%               | 0.027                 | 10.77                 | 12.50               | 0.040                   | Battery 1#            | /         |
| LYA-L0C Test at the worst case (ANT1)                                  |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Left cheek   | 6/2437                   | 802.11g   | 0.238                    | 0.202              | 0.101 | -0.16            | 98%               | 0.206                 | 11.70                 | 12.50               | 0.248                   | Battery 1#            | /         |

Table 208: Head SAR test results of WiFi 2.4G CDD

| Test Position of Head | Dist. | Test Channel /Freq.(MHz) | Test Mode | WiFi Reported 1-g SAR (W/kg)1-g SAR |       |                      | Accessory Information |
|-----------------------|-------|--------------------------|-----------|-------------------------------------|-------|----------------------|-----------------------|
|                       |       |                          |           | Ant 1                               | Ant 2 | CDD/MIMO (Ant1+Ant2) |                       |
| CDD                   |       |                          |           |                                     |       |                      |                       |
| Left cheek            | /     | 6/2437                   | 802.11g   | 0.324                               | 0.040 | 0.364                | Battery 1#            |
| Left tilt             | /     | 6/2437                   | 802.11g   | 0.324                               | 0.040 | 0.364                | Battery 1#            |
| Right cheek           | /     | 6/2437                   | 802.11g   | 0.324                               | 0.040 | 0.364                | Battery 1#            |
| Right tilt            | /     | 6/2437                   | 802.11g   | 0.324                               | 0.040 | 0.364                | Battery 1#            |
| Left cheek            | /     | 6/2437                   | 802.11g   | 0.324                               | 0.040 | 0.364                | Battery 2#            |
| Left cheek            | /     | 1/2412                   | 802.11g   | 0.324                               | 0.040 | 0.364                | Battery 1#            |
| Left cheek            | /     | 11/2462                  | 802.11g   | 0.324                               | 0.040 | 0.364                | Battery 1#            |

Table 209: Head SAR of WiFi 2.4G CDD

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest reported SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| ANT1   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 11/2462                  | 802.11 b  | 0.078                    | 0.085              | 0.037 | -0.15            | 98%               | 0.087                 | 16.41                 | 17.50               | 0.112                   | Battery 1#            | /         |
| Back Side  | 15mm  | 11/2462                  | 802.11 b  | 0.085                    | 0.084              | 0.042 | 0.10             | 98%               | 0.086                 | 16.41                 | 17.50               | 0.110                   | Battery 1#            | /         |
| Back Side  | 15mm  | 11/2462                  | 802.11 b  | 0.089                    | 0.090              | 0.044 | -0.04            | 98%               | 0.091                 | 16.41                 | 17.50               | 0.117                   | Battery 2#            | /         |
| ANT2   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 6/2437                   | 802.11 b  | 0.011                    | 0.009              | 0.005 | 0.19             | 98%               | 0.009                 | 16.09                 | 17.50               | 0.012                   | Battery 1#            | /         |
| Back Side  | 15mm  | 6/2437                   | 802.11 b  | 0.059                    | 0.059              | 0.029 | -0.08            | 98%               | 0.061                 | 16.09                 | 17.50               | 0.084                   | Battery 1#            | /         |
| Back Side  | 15mm  | 6/2437                   | 802.11 b  | 0.063                    | 0.064              | 0.031 | 0.07             | 98%               | 0.065                 | 16.09                 | 17.50               | 0.090                   | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT1)                                  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 11/2462                  | 802.11 b  | 0.077                    | 0.078              | 0.038 | 0.18             | 98%               | 0.079                 | 16.41                 | 17.50               | 0.102                   | Battery 2#            | Yes       |
| LYA-L0C Test at the worst case (ANT2)                                  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 6/2437                   | 802.11 b  | 0.046                    | 0.046              | 0.021 | 0.07             | 98%               | 0.047                 | 16.09                 | 17.50               | 0.065                   | Battery 2#            | /         |

Table 210: Body-Worn SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

| Test Position of Body-Worn            | Dist. | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---------------------------------------|-------|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                                       |       |                          |           |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of WiFi 2.4G CDD with ANT1  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side                            | 15mm  | 2/2417                   | 802.11g   | 0.088                    | /                  | /     | 0.15             | 98%               | /                     | 16.01                 | 17.50               | /                       | Battery 1#            | /         |
| Back Side                             | 15mm  | 2/2417                   | 802.11g   | 0.083                    | 0.081              | 0.040 | -0.10            | 98%               | 0.083                 | 16.01                 | 17.50               | 0.116                   | Battery 1#            | /         |
| Back Side                             | 15mm  | 2/2417                   | 802.11g   | 0.100                    | 0.096              | 0.047 | -0.16            | 98%               | 0.098                 | 16.01                 | 17.50               | 0.138                   | Battery 2#            | /         |
| Test data of WiFi 2.4G CDD with ANT2  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side                            | 15mm  | 2/2417                   | 802.11g   | 0.010                    | /                  | /     | -0.18            | 98%               | /                     | 16.02                 | 17.50               | /                       | Battery 1#            | /         |
| Back Side                             | 15mm  | 2/2417                   | 802.11g   | 0.055                    | 0.058              | 0.028 | 0.05             | 98%               | 0.059                 | 16.02                 | 17.50               | 0.083                   | Battery 1#            | /         |
| Back Side                             | 15mm  | 2/2417                   | 802.11g   | 0.051                    | 0.053              | 0.026 | -0.09            | 98%               | 0.054                 | 16.02                 | 17.50               | 0.076                   | Battery 2#            | /         |
| LYA-LOC Test at the worst case (ANT1) |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side                             | 15mm  | 2/2417                   | 802.11g   | 0.071                    | 0.071              | 0.035 | -0.12            | 98%               | 0.072                 | 16.01                 | 17.50               | 0.102                   | Battery 2#            | /         |

Table 211: Body-Worn SAR test results of WiFi 2.4G CDD

Note: For CDD/MIMO SAR, the max tune-up power of 1CH and 11CH are lower than other channels, so SAR test is performed on 2CH.

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | WiFi Reported 1-g SAR (W/kg)1-g SAR |       |                      | Accessory Information |
|----------------------------|-------|--------------------------|-----------|-------------------------------------|-------|----------------------|-----------------------|
|                            |       |                          |           | Ant 1                               | Ant 2 | CDD/MIMO (Ant1+Ant2) |                       |
| CDD                        |       |                          |           |                                     |       |                      |                       |
| Front Side                 | 15mm  | 2/2417                   | 802.11g   | 0.138                               | 0.083 | 0.221                | Battery 1#            |
| Back Side                  | 15mm  | 2/2417                   | 802.11g   | 0.138                               | 0.083 | 0.221                | Battery 1#            |
| Back Side                  | 15mm  | 2/2417                   | 802.11g   | 0.138                               | 0.083 | 0.221                | Battery 2#            |

Table 212: Body-Worn SAR of WiFi 2.4G CDD

Note: Per KDB248227D01, for Body-worn SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| ANT1   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 11/2462                  | 802.11 b  | 0.146                    | 0.149              | 0.079 | -0.08            | 98%               | 0.152                 | 16.41                 | 17.50               | 0.195                   | Battery 1#            | /         |
| Back Side  | 10mm  | 11/2462                  | 802.11 b  | 0.200                    | 0.186              | 0.085 | 0.15             | 98%               | 0.190                 | 16.41                 | 17.50               | 0.244                   | Battery 1#            | /         |
| Right Side   | 10mm  | 11/2462                  | 802.11 b  | 0.132                    | 0.132              | 0.061 | -0.02            | 98%               | 0.135                 | 16.41                 | 17.50               | 0.173                   | Battery 1#            | /         |
| Top Side   | 10mm  | 11/2462                  | 802.11 b  | 0.177                    | 0.178              | 0.090 | -0.02            | 98%               | 0.182                 | 16.41                 | 17.50               | 0.233                   | Battery 1#            | /         |
| Back Side  | 10mm  | 11/2462                  | 802.11 b  | 0.230                    | 0.221              | 0.099 | 0.08             | 98%               | 0.226                 | 16.41                 | 17.50               | 0.290                   | Battery 2#            | /         |
| ANT2   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 6/2437                   | 802.11 b  | 0.015                    | 0.015              | 0.008 | 0.14             | 98%               | 0.015                 | 16.09                 | 17.50               | 0.020                   | Battery 1#            | /         |
| Back Side  | 10mm  | 6/2437                   | 802.11 b  | 0.174                    | 0.178              | 0.076 | -0.08            | 98%               | 0.182                 | 16.09                 | 17.50               | 0.251                   | Battery 1#            | /         |
| Right Side   | 10mm  | 6/2437                   | 802.11 b  | 0.057                    | 0.058              | 0.028 | -0.14            | 98%               | 0.059                 | 16.09                 | 17.50               | 0.081                   | Battery 1#            | /         |
| Top Side   | 10mm  | 6/2437                   | 802.11 b  | 0.012                    | 0.012              | 0.007 | -0.16            | 98%               | 0.012                 | 16.09                 | 17.50               | 0.016                   | Battery 1#            | /         |
| Back Side  | 10mm  | 6/2437                   | 802.11 b  | 0.164                    | 0.181              | 0.077 | 0.17             | 98%               | 0.185                 | 16.09                 | 17.50               | 0.256                   | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT1)                                  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 11/2462                  | 802.11 b  | 0.182                    | 0.195              | 0.088 | -0.06            | 98%               | 0.199                 | 16.41                 | 17.50               | 0.256                   | Battery 2#            | Yes       |
| LYA-L0C Test at the worst case (ANT2)                                  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 6/2437                   | 802.11 b  | 0.109                    | 0.107              | 0.027 | 0.06             | 98%               | 0.109                 | 16.09                 | 17.50               | 0.151                   | Battery 2#            | /         |

Table 213: Hotspot SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

| Test Position of Hotspot              | Dist. | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---------------------------------------|-------|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                                       |       |                          |           |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of WiFi 2.4G CDD with ANT1  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side                            | 10mm  | 2/2417                   | 802.11g   | 0.182                    | /                  | /     | -0.05            | 98%               | /                     | 16.01                 | 17.50               | /                       | Battery 1#            | /         |
| Back Side                             | 10mm  | 2/2417                   | 802.11g   | 0.241                    | 0.237              | 0.107 | 0.09             | 98%               | 0.242                 | 16.01                 | 17.50               | 0.334                   | Battery 1#            | /         |
| Right Side                            | 10mm  | 2/2417                   | 802.11g   | 0.123                    | /                  | /     | 0.04             | 98%               | /                     | 16.01                 | 17.50               | /                       | Battery 1#            | /         |
| Top Side                              | 10mm  | 2/2417                   | 802.11g   | 0.204                    | /                  | /     | -0.06            | 98%               | /                     | 16.01                 | 17.50               | /                       | Battery 1#            | /         |
| Back Side                             | 10mm  | 2/2417                   | 802.11g   | 0.233                    | 0.225              | 0.102 | 0.15             | 98%               | 0.230                 | 16.01                 | 17.50               | 0.317                   | Battery 2#            | /         |
| Test data of WiFi 2.4G CDD with ANT2  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side                            | 10mm  | 2/2417                   | 802.11g   | 0.018                    | /                  | /     | -0.14            | 98%               | /                     | 16.02                 | 17.50               | /                       | Battery 1#            | /         |
| Back Side                             | 10mm  | 2/2417                   | 802.11g   | 0.145                    | 0.150              | 0.065 | -0.07            | 98%               | 0.153                 | 16.02                 | 17.50               | 0.215                   | Battery 1#            | /         |
| Right Side                            | 10mm  | 2/2417                   | 802.11g   | 0.046                    | /                  | /     | 0.05             | 98%               | /                     | 16.02                 | 17.50               | /                       | Battery 1#            | /         |
| Top Side                              | 10mm  | 2/2417                   | 802.11g   | 0.014                    | /                  | /     | 0.15             | 98%               | /                     | 16.02                 | 17.50               | /                       | Battery 1#            | /         |
| Back Side                             | 10mm  | 2/2417                   | 802.11g   | 0.139                    | 0.150              | 0.065 | -0.11            | 98%               | 0.153                 | 16.02                 | 17.50               | 0.215                   | Battery 2#            | /         |
| LYA-LOC Test at the worst case (ANT1) |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side                             | 10mm  | 2/2417                   | 802.11g   | 0.133                    | 0.136              | 0.061 | -0.15            | 98%               | 0.139                 | 16.01                 | 17.50               | 0.196                   | Battery 1#            | /         |

Table 214: Hotspot SAR test results of WiFi 2.4G CDD

Note: For CDD/MIMO SAR, the max tune-up power of 1CH and 11CH are lower than other channels, so SAR test is performed on 2CH.

| Test Position of Hotspot | Dist. | Test Channel /Freq.(MHz) | Test Mode | WiFi Reported 1-g SAR (W/kg)1-g SAR |       |                      | Accessory Information |
|--------------------------|-------|--------------------------|-----------|-------------------------------------|-------|----------------------|-----------------------|
|                          |       |                          |           | Ant 1                               | Ant 2 | CDD/MIMO (Ant1+Ant2) |                       |
| CDD                      |       |                          |           |                                     |       |                      |                       |
| Front Side               | 10mm  | 2/2417                   | 802.11g   | 0.334                               | 0.215 | 0.549                | Battery 1#            |
| Back Side                | 10mm  | 2/2417                   | 802.11g   | 0.334                               | 0.215 | 0.549                | Battery 1#            |
| Right Side               | 10mm  | 2/2417                   | 802.11g   | 0.334                               | 0.215 | 0.549                | Battery 1#            |
| Top Side                 | 10mm  | 2/2417                   | 802.11g   | 0.334                               | 0.215 | 0.549                | Battery 1#            |
| Back Side                | 10mm  | 2/2417                   | 802.11g   | 0.334                               | 0.215 | 0.549                | Battery 2#            |

Table 215: Hotspot SAR of WiFi 2.4G CDD

Note:

- 1) Per KDB248227D01, for Body-worn SAR test of WiFi 2.4G, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.
- 2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

## 7.2.17 SAR measurement Result of WiFi 5G

| Test Position of Head  | Test channel /Freq.(MHz) | Test Mode    | Area Scan 1-g SAR (W/kg) | SAR Value (W/kg) |       | Power Drift (dB) | Actual duty factor | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported SAR1-g (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|--------------|--------------------------|------------------|-------|------------------|--------------------|-----------------------|-----------------------|---------------------|------------------------|-----------------------|-----------|
|  |                          |              |                          | 1-g              | 10-g  |                  |                    |                       |                       |                     |                        |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |              |                          |                  |       |                  |                    |                       |                       |                     |                        |                       |           |
| <b>ANT1</b>  |                          |              |                          |                  |       |                  |                    |                       |                       |                     |                        |                       |           |
| Test data of U-NII-1&U-NII-2A band                                     |                          |              |                          |                  |       |                  |                    |                       |                       |                     |                        |                       |           |
| Left cheek   | 54/5270                  | 802.11n(40M) | 0.093                    | 0.108            | 0.034 | -0.19            | 99%                | 0.109                 | 9.75                  | 11.00               | 0.145                  | Battery 1#            | /         |
| Left tilt  | 54/5270                  | 802.11n(40M) | 0.128                    | 0.159            | 0.046 | -0.12            | 99%                | 0.161                 | 9.75                  | 11.00               | 0.214                  | Battery 1#            | /         |
| Right cheek  | 54/5270                  | 802.11n(40M) | 0.069                    | /                | /     | -0.13            | 99%                | /                     | 9.75                  | 11.00               | /                      | Battery 1#            | /         |
| Right tilt   | 54/5270                  | 802.11n(40M) | 0.069                    | /                | /     | -0.06            | 99%                | /                     | 9.75                  | 11.00               | /                      | Battery 1#            | /         |
| Left cheek   | 54/5270                  | 802.11n(40M) | 0.106                    | 0.112            | 0.034 | -0.13            | 99%                | 0.113                 | 9.75                  | 11.00               | 0.151                  | Battery 2#            | /         |
| Left tilt  | 54/5270                  | 802.11n(40M) | 0.120                    | 0.146            | 0.041 | -0.04            | 99%                | 0.147                 | 9.75                  | 11.00               | 0.197                  | Battery 2#            | /         |
| Left cheek   | 62/5310                  | 802.11n(40M) | 0.079                    | 0.078            | 0.022 | 0.04             | 99%                | 0.079                 | 8.00                  | 9.50                | 0.112                  | Battery 1#            | /         |
| Test data of U-NII-2C band   |                          |              |                          |                  |       |                  |                    |                       |                       |                     |                        |                       |           |
| Left cheek   | 110/5550                 | 802.11n(40M) | 0.157                    | 0.145            | 0.044 | -0.14            | 99%                | 0.146                 | 9.46                  | 11.00               | 0.209                  | Battery 1#            | /         |
| Left tilt  | 110/5550                 | 802.11n(40M) | 0.155                    | 0.183            | 0.054 | -0.18            | 99%                | 0.185                 | 9.46                  | 11.00               | 0.264                  | Battery 1#            | /         |
| Right cheek  | 110/5550                 | 802.11n(40M) | 0.106                    | /                | /     | -0.13            | 99%                | /                     | 9.46                  | 11.00               | /                      | Battery 1#            | /         |
| Right tilt   | 110/5550                 | 802.11n(40M) | 0.128                    | /                | /     | -0.02            | 99%                | /                     | 9.46                  | 11.00               | /                      | Battery 1#            | /         |
| Left tilt  | 110/5550                 | 802.11n(40M) | 0.158                    | 0.186            | 0.054 | -0.14            | 99%                | 0.188                 | 9.46                  | 11.00               | 0.268                  | Battery 2#            | /         |
| Left tilt  | 102/5510                 | 802.11n(40M) | 0.136                    | 0.148            | 0.041 | 0.19             | 99%                | 0.149                 | 7.85                  | 9.50                | 0.219                  | Battery 2#            | /         |
| Left tilt  | 134/5670                 | 802.11n(40M) | 0.146                    | 0.162            | 0.044 | 0.09             | 99%                | 0.164                 | 8.68                  | 9.50                | 0.198                  | Battery 2#            | /         |
| Test data of U-NII-3 band  |                          |              |                          |                  |       |                  |                    |                       |                       |                     |                        |                       |           |
| Left cheek   | 165/5825                 | 802.11a      | 0.151                    | /                | /     | -0.14            | 99%                | /                     | 10.18                 | 11.00               | /                      | Battery 1#            | /         |
| Left tilt  | 165/5825                 | 802.11a      | 0.173                    | 0.190            | 0.048 | -0.19            | 99%                | 0.192                 | 10.18                 | 11.00               | 0.232                  | Battery 1#            | /         |
| Right cheek  | 165/5825                 | 802.11a      | 0.079                    | /                | /     | -0.15            | 99%                | /                     | 10.18                 | 11.00               | /                      | Battery 1#            | /         |
| Right tilt   | 165/5825                 | 802.11a      | 0.095                    | /                | /     | -0.17            | 99%                | /                     | 10.18                 | 11.00               | /                      | Battery 1#            | /         |
| Left tilt  | 165/5825                 | 802.11a      | 0.190                    | 0.199            | 0.051 | -0.19            | 99%                | 0.201                 | 10.18                 | 11.00               | 0.243                  | Battery 2#            | /         |
| Left tilt  | 149/5745                 | 802.11a      | 0.167                    | 0.181            | 0.049 | -0.15            | 99%                | 0.183                 | 10.09                 | 11.00               | 0.225                  | Battery 2#            | /         |
| Left tilt  | 157/5785                 | 802.11a      | 0.170                    | 0.186            | 0.050 | -0.05            | 99%                | 0.188                 | 10.17                 | 11.00               | 0.227                  | Battery 2#            | /         |
| <b>ANT2</b>  |                          |              |                          |                  |       |                  |                    |                       |                       |                     |                        |                       |           |
| Test data of U-NII-1&U-NII-2A band                                     |                          |              |                          |                  |       |                  |                    |                       |                       |                     |                        |                       |           |
| Left cheek   | 54/5270                  | 802.11n(40M) | 0.019                    | 0.019            | 0.005 | -0.04            | 99%                | 0.019                 | 9.91                  | 11.00               | 0.025                  | Battery 1#            | /         |
| Left tilt  | 54/5270                  | 802.11n(40M) | 0.003                    | /                | /     | 0.00             | 99%                | /                     | 9.91                  | 11.00               | /                      | Battery 1#            | /         |
| Right cheek  | 54/5270                  | 802.11n(40M) | 0.001                    | /                | /     | 0.00             | 99%                | /                     | 9.91                  | 11.00               | /                      | Battery 1#            | /         |
| Right tilt   | 54/5270                  | 802.11n(40M) | 0.003                    | /                | /     | 0.00             | 99%                | /                     | 9.91                  | 11.00               | /                      | Battery 1#            | /         |
| Left cheek   | 54/5270                  | 802.11n(40M) | 0.011                    | 0.007            | 0.003 | -0.18            | 99%                | 0.007                 | 9.91                  | 11.00               | 0.009                  | Battery 2#            | /         |
| Left cheek   | 62/5310                  | 802.11n(40M) | 0.019                    | 0.013            | 0.003 | 0.00             | 99%                | 0.013                 | 8.40                  | 9.50                | 0.016                  | Battery 1#            | /         |
| Test data of U-NII-2C band   |                          |              |                          |                  |       |                  |                    |                       |                       |                     |                        |                       |           |
| Left cheek   | 110/5550                 | 802.11n(40M) | 0.038                    | 0.026            | 0.007 | 0.00             | 99%                | 0.026                 | 10.21                 | 11.00               | 0.031                  | Battery 1#            | /         |
| Left tilt  | 110/5550                 | 802.11n(40M) | 0.029                    | /                | /     | 0.00             | 99%                | /                     | 10.21                 | 11.00               | /                      | Battery 1#            | /         |
| Right cheek  | 110/5550                 | 802.11n(40M) | 0.013                    | /                | /     | 0.00             | 99%                | /                     | 10.21                 | 11.00               | /                      | Battery 1#            | /         |
| Right tilt   | 110/5550                 | 802.11n(40M) | 0.017                    | /                | /     | -0.16            | 99%                | /                     | 10.21                 | 11.00               | /                      | Battery 1#            | /         |
| Left cheek   | 110/5550                 | 802.11n(40M) | 0.028                    | 0.027            | 0.007 | -0.19            | 99%                | 0.027                 | 10.21                 | 11.00               | 0.032                  | Battery 2#            | /         |
| Left cheek   | 102/5510                 | 802.11n(40M) | 0.008                    | 0.017            | 0.004 | 0.00             | 99%                | 0.017                 | 8.64                  | 9.50                | 0.021                  | Battery 2#            | /         |



|                                       |          |              |       |       |       |       |     |       |      |       |       |            |     |
|---------------------------------------|----------|--------------|-------|-------|-------|-------|-----|-------|------|-------|-------|------------|-----|
| Left cheek                            | 134/5670 | 802.11n(40M) | 0.008 | 0.018 | 0.005 | 0.00  | 99% | 0.019 | 7.82 | 9.50  | 0.027 | Battery 2# | /   |
| Test data of U-NII-3 band             |          |              |       |       |       |       |     |       |      |       |       |            |     |
| Left cheek                            | 165/5825 | 802.11a      | 0.045 | 0.029 | 0.008 | -0.18 | 99% | 0.029 | 9.35 | 10.00 | 0.034 | Battery 1# | /   |
| Left tilt                             | 165/5825 | 802.11a      | 0.040 | 0.033 | 0.008 | 0.12  | 99% | 0.033 | 9.35 | 10.00 | 0.038 | Battery 1# | /   |
| Right cheek                           | 165/5825 | 802.11a      | 0.034 | /     | /     | 0.00  | 99% | /     | 9.35 | 10.00 | /     | Battery 1# | /   |
| Right tilt                            | 165/5825 | 802.11a      | 0.029 | /     | /     | 0.00  | 99% | /     | 9.35 | 10.00 | /     | Battery 1# | /   |
| Left tilt                             | 165/5825 | 802.11a      | 0.045 | 0.033 | 0.009 | -0.18 | 99% | 0.033 | 9.35 | 10.00 | 0.039 | Battery 2# | /   |
| Left tilt                             | 149/5745 | 802.11a      | 0.039 | 0.031 | 0.008 | 0.12  | 99% | 0.031 | 9.03 | 10.00 | 0.039 | Battery 2# | /   |
| Left tilt                             | 157/5785 | 802.11a      | 0.040 | 0.032 | 0.008 | 0.01  | 99% | 0.032 | 9.21 | 10.00 | 0.039 | Battery 2# | /   |
| LYA-L0C Test at the worst case (ANT1) |          |              |       |       |       |       |     |       |      |       |       |            |     |
| Left tilt                             | 110/5550 | 802.11n(40M) | 0.248 | 0.218 | 0.054 | 0.11  | 99% | 0.220 | 9.46 | 11.00 | 0.314 | Battery 2# | Yes |
| LYA-L0C Test at the worst case (ANT2) |          |              |       |       |       |       |     |       |      |       |       |            |     |
| Left tilt                             | 165/5825 | 802.11a      | 0.048 | 0.018 | 0.005 | 0.19  | 99% | 0.018 | 9.35 | 10.00 | 0.021 | Battery 2# | /   |

Table 216: Head SAR test results of WiFi 5G SISO

Note:

- 1) Per KDB248227D01, for Head SAR test of WiFi 5G, SAR is measured for 5 GHz 802.11a OFDM using the initial test position procedure. The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);

| Test Position of Head  | Test Channel /Freq.(MHz) | Test Mode    | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|--------------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |                          |              |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |              |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of WiFi 5G CDD with Ant1                                     |                          |              |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of U-NII-1&U-NII-2A band                                     |                          |              |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Left cheek   | 54/5270                  | 802.11n(40M) | 0.093                    | 0.108              | 0.034 | -0.19            | 99%               | 0.109                 | 9.75                  | 11.00               | 0.145                   | Battery 1#            | /         |
| Left tilt  | 54/5270                  | 802.11n(40M) | 0.128                    | 0.159              | 0.046 | -0.12            | 99%               | 0.161                 | 9.75                  | 11.00               | 0.214                   | Battery 1#            | /         |
| Right cheek  | 54/5270                  | 802.11n(40M) | 0.069                    | /                  | /     | -0.13            | 99%               | /                     | 9.75                  | 11.00               | /                       | Battery 1#            | /         |
| Right tilt   | 54/5270                  | 802.11n(40M) | 0.069                    | /                  | /     | -0.06            | 99%               | /                     | 9.75                  | 11.00               | /                       | Battery 1#            | /         |
| Left cheek   | 54/5270                  | 802.11n(40M) | 0.106                    | 0.112              | 0.034 | -0.13            | 99%               | 0.113                 | 9.75                  | 11.00               | 0.151                   | Battery 2#            | /         |
| Left tilt  | 54/5270                  | 802.11n(40M) | 0.120                    | 0.146              | 0.041 | -0.04            | 99%               | 0.147                 | 9.75                  | 11.00               | 0.197                   | Battery 2#            | /         |
| Left cheek   | 62/5310                  | 802.11n(40M) | 0.079                    | 0.078              | 0.022 | 0.04             | 99%               | 0.079                 | 8.00                  | 9.50                | 0.112                   | Battery 1#            | /         |
| Test data of U-NII-2C band   |                          |              |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Left cheek   | 110/5550                 | 802.11n(40M) | 0.157                    | 0.145              | 0.044 | -0.14            | 99%               | 0.146                 | 9.46                  | 11.00               | 0.209                   | Battery 1#            | /         |
| Left tilt  | 110/5550                 | 802.11n(40M) | 0.155                    | 0.183              | 0.054 | -0.18            | 99%               | 0.185                 | 9.46                  | 11.00               | 0.264                   | Battery 1#            | /         |
| Right cheek  | 110/5550                 | 802.11n(40M) | 0.106                    | /                  | /     | -0.13            | 99%               | /                     | 9.46                  | 11.00               | /                       | Battery 1#            | /         |
| Right tilt   | 110/5550                 | 802.11n(40M) | 0.128                    | /                  | /     | -0.02            | 99%               | /                     | 9.46                  | 11.00               | /                       | Battery 1#            | /         |
| Left tilt  | 110/5550                 | 802.11n(40M) | 0.158                    | 0.186              | 0.054 | -0.14            | 99%               | 0.188                 | 9.46                  | 11.00               | 0.268                   | Battery 2#            | /         |

| Test data of U-NII-3 band             |          |              |       |       |       |       |     |       |       |       |       |            |   |
|---------------------------------------|----------|--------------|-------|-------|-------|-------|-----|-------|-------|-------|-------|------------|---|
| Left cheek                            | 165/5825 | 802.11a      | 0.151 | /     | /     | -0.14 | 99% | /     | 10.18 | 11.00 | /     | Battery 1# | / |
| Left tilt                             | 165/5825 | 802.11a      | 0.173 | 0.190 | 0.051 | -0.15 | 99% | 0.192 | 10.18 | 11.00 | 0.232 | Battery 1# | / |
| Right cheek                           | 165/5825 | 802.11a      | 0.079 | /     | /     | -0.15 | 99% | /     | 10.18 | 11.00 | /     | Battery 1# | / |
| Right tilt                            | 165/5825 | 802.11a      | 0.095 | /     | /     | -0.17 | 99% | /     | 10.18 | 11.00 | /     | Battery 1# | / |
| Left tilt                             | 165/5825 | 802.11a      | 0.190 | 0.199 | 0.051 | -0.19 | 99% | 0.201 | 10.18 | 11.00 | 0.243 | Battery 2# | / |
| Test data of WiFi 5G CDD with Ant2    |          |              |       |       |       |       |     |       |       |       |       |            |   |
| Test data of U-NII-1&U-NII-2A band    |          |              |       |       |       |       |     |       |       |       |       |            |   |
| Left cheek                            | 54/5270  | 802.11n(40M) | 0.019 | 0.019 | 0.005 | -0.04 | 99% | 0.019 | 9.91  | 11.00 | 0.025 | Battery 1# | / |
| Left tilt                             | 54/5270  | 802.11n(40M) | 0.003 | /     | /     | 0.00  | 99% | /     | 9.91  | 11.00 | /     | Battery 1# | / |
| Right cheek                           | 54/5270  | 802.11n(40M) | 0.001 | /     | /     | 0.00  | 99% | /     | 9.91  | 11.00 | /     | Battery 1# | / |
| Right tilt                            | 54/5270  | 802.11n(40M) | 0.003 | /     | /     | 0.00  | 99% | /     | 9.91  | 11.00 | /     | Battery 1# | / |
| Left cheek                            | 54/5270  | 802.11n(40M) | 0.011 | 0.007 | 0.003 | -0.18 | 99% | 0.007 | 9.91  | 11.00 | 0.009 | Battery 2# | / |
| Left cheek                            | 62/5310  | 802.11n(40M) | 0.019 | 0.013 | 0.003 | 0.00  | 99% | 0.013 | 8.40  | 9.50  | 0.016 | Battery 1# | / |
| Test data of U-NII-2C band            |          |              |       |       |       |       |     |       |       |       |       |            |   |
| Left cheek                            | 110/5550 | 802.11n(40M) | 0.038 | 0.026 | 0.007 | 0.00  | 99% | 0.026 | 10.21 | 11.00 | 0.031 | Battery 1# | / |
| Left tilt                             | 110/5550 | 802.11n(40M) | 0.029 | /     | /     | 0.00  | 99% | /     | 10.21 | 11.00 | /     | Battery 1# | / |
| Right cheek                           | 110/5550 | 802.11n(40M) | 0.013 | /     | /     | 0.00  | 99% | /     | 10.21 | 11.00 | /     | Battery 1# | / |
| Right tilt                            | 110/5550 | 802.11n(40M) | 0.017 | /     | /     | -0.16 | 99% | /     | 10.21 | 11.00 | /     | Battery 1# | / |
| Left cheek                            | 110/5550 | 802.11n(40M) | 0.028 | 0.027 | 0.007 | -0.19 | 99% | 0.027 | 10.21 | 11.00 | 0.032 | Battery 2# | / |
| Test data of U-NII-3 band             |          |              |       |       |       |       |     |       |       |       |       |            |   |
| Left cheek                            | 165/5825 | 802.11a      | 0.045 | 0.029 | 0.008 | -0.18 | 99% | 0.029 | 9.35  | 10.00 | 0.034 | Battery 1# | / |
| Left tilt                             | 165/5825 | 802.11a      | 0.040 | 0.033 | 0.008 | 0.12  | 99% | 0.033 | 9.35  | 10.00 | 0.038 | Battery 1# | / |
| Right cheek                           | 165/5825 | 802.11a      | 0.034 | /     | /     | 0.00  | 99% | /     | 9.35  | 10.00 | /     | Battery 1# | / |
| Right tilt                            | 165/5825 | 802.11a      | 0.029 | /     | /     | 0.00  | 99% | /     | 9.35  | 10.00 | /     | Battery 1# | / |
| Left tilt                             | 165/5825 | 802.11a      | 0.045 | 0.033 | 0.009 | -0.18 | 99% | 0.033 | 9.35  | 10.00 | 0.039 | Battery 2# | / |
| LYA-L0C Test at the worst case (ANT1) |          |              |       |       |       |       |     |       |       |       |       |            |   |
| Left tilt                             | 110/5550 | 802.11n(40M) | 0.248 | 0.218 | 0.054 | 0.11  | 99% | 0.220 | 9.46  | 11.00 | 0.314 | Battery 2# | / |
| LYA-L0C Test at the worst case (ANT2) |          |              |       |       |       |       |     |       |       |       |       |            |   |
| Left tilt                             | 165/5825 | 802.11a      | 0.048 | 0.018 | 0.005 | 0.19  | 99% | 0.018 | 9.35  | 10.00 | 0.021 | Battery 2# | / |

Table 217: Head SAR test results of WiFi 5G CDD

| Test Position of Head              | Dist. | Test Channel /Freq.(MHz) | Test Mode    | WiFi 1-g SAR(W/kg) |       |                      | Accessory Information |
|------------------------------------|-------|--------------------------|--------------|--------------------|-------|----------------------|-----------------------|
|                                    |       |                          |              | Ant 1              | Ant 2 | CDD/MIMO (Ant1+Ant2) |                       |
| CDD/MIMO                           |       |                          |              |                    |       |                      |                       |
| Test data of U-NII-1&U-NII-2A band |       |                          |              |                    |       |                      |                       |
| Left cheek                         | /     | 54/5270                  | 802.11n(40M) | 0.214              | 0.025 | 0.239                | Battery 1#            |
| Left tilt                          | /     | 54/5270                  | 802.11n(40M) | 0.214              | 0.025 | 0.239                | Battery 1#            |
| Right cheek                        | /     | 54/5270                  | 802.11n(40M) | 0.214              | 0.025 | 0.239                | Battery 1#            |
| Right tilt                         | /     | 54/5270                  | 802.11n(40M) | 0.214              | 0.025 | 0.239                | Battery 1#            |
| Left cheek                         | /     | 54/5270                  | 802.11n(40M) | 0.214              | 0.025 | 0.239                | Battery 2#            |
| Left cheek                         | /     | 62/5310                  | 802.11n(40M) | 0.112              | 0.016 | 0.128                | Battery 1#            |
| Test data of U-NII-2C band         |       |                          |              |                    |       |                      |                       |
| Left cheek                         | /     | 110/5550                 | 802.11n(40M) | 0.314              | 0.032 | 0.346                | Battery 1#            |
| Left tilt                          | /     | 110/5550                 | 802.11n(40M) | 0.314              | 0.032 | 0.346                | Battery 1#            |
| Right cheek                        | /     | 110/5550                 | 802.11n(40M) | 0.314              | 0.032 | 0.346                | Battery 1#            |
| Right tilt                         | /     | 110/5550                 | 802.11n(40M) | 0.314              | 0.032 | 0.346                | Battery 1#            |
| Left tilt                          | /     | 110/5550                 | 802.11n(40M) | 0.314              | 0.032 | 0.346                | Battery 2#            |
| Test data of U-NII-3 band          |       |                          |              |                    |       |                      |                       |
| Left cheek                         | /     | 165/5825                 | 802.11a      | 0.243              | 0.039 | 0.282                | Battery 1#            |
| Left tilt                          | /     | 165/5825                 | 802.11a      | 0.243              | 0.039 | 0.282                | Battery 1#            |
| Right cheek                        | /     | 165/5825                 | 802.11a      | 0.243              | 0.039 | 0.282                | Battery 1#            |
| Right tilt                         | /     | 165/5825                 | 802.11a      | 0.243              | 0.039 | 0.282                | Battery 1#            |
| Left tilt                          | /     | 165/5825                 | 802.11a      | 0.243              | 0.039 | 0.282                | Battery 2#            |

Note:

- 1) Per KDB248227D01, for Head SAR test of WiFi 5G, SAR is measured for 5 GHz 802.11a OFDM using the initial test position procedure. The highest *reported* SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest *reported* SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);

| Test Position of Body-Worn   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| ANT1   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of U-NII-1&U-NII-2A band                                     |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 60/5300                  | 802.11a   | 0.033                    | 0.018              | 0.008 | 0.05             | 99%               | 0.018                 | 15.16                 | 16.00               | 0.022                   | Battery 1#            | /         |
| Back Side  | 15mm  | 60/5300                  | 802.11a   | 0.089                    | 0.076              | 0.027 | 0.13             | 99%               | 0.077                 | 15.16                 | 16.00               | 0.093                   | Battery 1#            | /         |
| Back Side  | 15mm  | 60/5300                  | 802.11a   | 0.087                    | 0.078              | 0.028 | -0.11            | 99%               | 0.079                 | 15.16                 | 16.00               | 0.096                   | Battery 2#            | /         |
| Test data of U-NII-2C band   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 104/5520                 | 802.11a   | 0.038                    | /                  | /     | -0.13            | 99%               | /                     | 15.19                 | 16.00               | /                       | Battery 1#            | /         |
| Back Side  | 15mm  | 104/5520                 | 802.11a   | 0.192                    | 0.189              | 0.071 | -0.10            | 99%               | 0.191                 | 15.19                 | 16.00               | 0.230                   | Battery 1#            | /         |
| Back Side  | 15mm  | 104/5520                 | 802.11a   | 0.216                    | 0.211              | 0.080 | -0.14            | 99%               | 0.213                 | 15.19                 | 16.00               | 0.257                   | Battery 2#            | /         |
| Test data of U-NII-3 band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 165/5825                 | 802.11a   | 0.017                    | /                  | /     | -0.14            | 99%               | /                     | 10.39                 | 11.00               | /                       | Battery 1#            | /         |
| Back Side  | 15mm  | 165/5825                 | 802.11a   | 0.055                    | 0.046              | 0.017 | -0.16            | 99%               | 0.046                 | 10.39                 | 11.00               | 0.053                   | Battery 1#            | /         |
| Back Side  | 15mm  | 165/5825                 | 802.11a   | 0.065                    | 0.051              | 0.018 | -0.15            | 99%               | 0.052                 | 10.39                 | 11.00               | 0.060                   | Battery 2#            | /         |
| ANT2   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of U-NII-1&U-NII-2A band                                     |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 60/5300                  | 802.11a   | 0.039                    | /                  | /     | -0.16            | 99%               | /                     | 14.93                 | 15.00               | /                       | Battery 1#            | /         |
| Back Side  | 15mm  | 60/5300                  | 802.11a   | 0.318                    | 0.243              | 0.088 | -0.18            | 99%               | 0.245                 | 14.93                 | 15.00               | 0.249                   | Battery 1#            | /         |
| Back Side  | 15mm  | 60/5300                  | 802.11a   | 0.421                    | 0.470              | 0.132 | -0.19            | 99%               | 0.475                 | 14.93                 | 15.00               | 0.482                   | Battery 2#            | /         |
| Test data of U-NII-2C band   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 104/5520                 | 802.11a   | 0.017                    | /                  | /     | -0.15            | 99%               | /                     | 14.95                 | 15.00               | /                       | Battery 1#            | /         |
| Back Side  | 15mm  | 104/5520                 | 802.11a   | 0.082                    | 0.075              | 0.025 | -0.15            | 99%               | 0.076                 | 14.95                 | 15.00               | 0.077                   | Battery 1#            | /         |
| Back Side  | 15mm  | 104/5520                 | 802.11a   | 0.079                    | 0.069              | 0.024 | -0.17            | 99%               | 0.069                 | 14.95                 | 15.00               | 0.070                   | Battery 2#            | /         |
| Test data of U-NII-3 band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 15mm  | 165/5825                 | 802.11a   | 0.018                    | /                  | /     | 0.00             | 99%               | /                     | 9.35                  | 10.00               | /                       | Battery 1#            | /         |
| Back Side  | 15mm  | 165/5825                 | 802.11a   | 0.031                    | 0.021              | 0.009 | -0.18            | 99%               | 0.021                 | 9.35                  | 10.00               | 0.024                   | Battery 1#            | /         |
| Back Side  | 15mm  | 165/5825                 | 802.11a   | 0.029                    | 0.024              | 0.009 | -0.17            | 99%               | 0.024                 | 9.35                  | 10.00               | 0.028                   | Battery 2#            | /         |
| LYA-LOC Test at the worst case (ANT1)                                  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 104/5520                 | 802.11a   | 0.287                    | 0.294              | 0.111 | 0.07             | 99%               | 0.297                 | 15.19                 | 16.00               | 0.358                   | Battery 2#            | /         |
| LYA-LOC Test at the worst case (ANT2)                                  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side  | 15mm  | 60/5300                  | 802.11a   | 0.315                    | 0.339              | 0.115 | -0.11            | 99%               | 0.342                 | 14.93                 | 15.00               | 0.348                   | Battery 2#            | Yes       |
| Front Side   | 15mm  | 60/5300                  | 802.11a   | 0.033                    | 0.018              | 0.008 | -0.05            | 99%               | 0.018                 | 14.93                 | 15.00               | 0.019                   | Battery 1#            | /         |

Table 218: Body-Worn SAR test results of WiFi 5G SISO

Note:

- 1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);
- 3) For WiFi 5G U-NII-2A band, the max tune-up power of 64CH is lower than other channels, so SAR test is performed on 60CH.
- 4) For WiFi 5G U-NII-2C band, the max tune-up power of 100CH and 140CH are lower than other channels, so SAR test is performed on 104CH.

| Test Position of Body-Worn  | Dist. | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|---|-------|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|   |       |                          |           |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data From original reported (report NO.:SYBH(Z-SAR)20180706013002-3) |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of WiFi 5G CDD with ANT1  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of U-NII-1&U-NII-2A band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side  | 15mm  | 60/5300                  | 802.11a   | 0.033                    | 0.018              | 0.008 | 0.05             | 99%               | 0.018                 | 15.16                 | 16.00               | 0.022                   | Battery 1#            | /         |
| Back Side   | 15mm  | 60/5300                  | 802.11a   | 0.089                    | 0.076              | 0.027 | 0.13             | 99%               | 0.077                 | 15.16                 | 16.00               | 0.093                   | Battery 1#            | /         |
| Back Side   | 15mm  | 60/5300                  | 802.11a   | 0.087                    | 0.078              | 0.028 | -0.11            | 99%               | 0.079                 | 15.16                 | 16.00               | 0.096                   | Battery 2#            | /         |
| Test data of U-NII-2C band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side  | 15mm  | 104/5520                 | 802.11a   | 0.038                    | /                  | /     | -0.13            | 99%               | /                     | 15.19                 | 16.00               | /                       | Battery 1#            | /         |
| Back Side   | 15mm  | 104/5520                 | 802.11a   | 0.192                    | 0.189              | 0.071 | -0.10            | 99%               | 0.191                 | 15.19                 | 16.00               | 0.230                   | Battery 1#            | /         |
| Back Side   | 15mm  | 104/5520                 | 802.11a   | 0.216                    | 0.211              | 0.080 | -0.14            | 99%               | 0.213                 | 15.19                 | 16.00               | 0.257                   | Battery 2#            | /         |
| Test data of U-NII-3 band   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side  | 15mm  | 165/5825                 | 802.11a   | 0.017                    | /                  | /     | -0.14            | 99%               | /                     | 10.39                 | 11.00               | /                       | Battery 1#            | /         |
| Back Side   | 15mm  | 165/5825                 | 802.11a   | 0.055                    | 0.046              | 0.017 | -0.16            | 99%               | 0.046                 | 10.39                 | 11.00               | 0.053                   | Battery 1#            | /         |
| Back Side   | 15mm  | 165/5825                 | 802.11a   | 0.065                    | 0.051              | 0.018 | -0.15            | 99%               | 0.052                 | 10.39                 | 11.00               | 0.060                   | Battery 2#            | /         |
| Test data of WiFi 5G CDD with ANT2  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of U-NII-1&U-NII-2A band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side  | 15mm  | 60/5300                  | 802.11a   | 0.039                    | /                  | /     | -0.16            | 99%               | /                     | 14.93                 | 15.00               | /                       | Battery 1#            | /         |
| Back Side   | 15mm  | 60/5300                  | 802.11a   | 0.318                    | 0.243              | 0.088 | -0.18            | 99%               | 0.245                 | 14.93                 | 15.00               | 0.249                   | Battery 1#            | /         |
| Back Side   | 15mm  | 60/5300                  | 802.11a   | 0.421                    | 0.470              | 0.132 | -0.19            | 99%               | 0.475                 | 14.93                 | 15.00               | 0.482                   | Battery 2#            | /         |
| Test data of U-NII-2C band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side  | 15mm  | 104/5520                 | 802.11a   | 0.017                    | /                  | /     | -0.15            | 99%               | /                     | 14.95                 | 15.00               | /                       | Battery 1#            | /         |
| Back Side   | 15mm  | 104/5520                 | 802.11a   | 0.082                    | 0.075              | 0.025 | -0.15            | 99%               | 0.076                 | 14.95                 | 15.00               | 0.077                   | Battery 1#            | /         |
| Back Side   | 15mm  | 104/5520                 | 802.11a   | 0.079                    | 0.069              | 0.024 | -0.17            | 99%               | 0.069                 | 14.95                 | 15.00               | 0.070                   | Battery 2#            | /         |
| Test data of U-NII-3 band   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side  | 15mm  | 165/5825                 | 802.11a   | 0.018                    | /                  | /     | 0.00             | 99%               | /                     | 9.35                  | 10.00               | /                       | Battery 1#            | /         |
| Back Side   | 15mm  | 165/5825                 | 802.11a   | 0.031                    | 0.021              | 0.009 | -0.18            | 99%               | 0.021                 | 9.35                  | 10.00               | 0.024                   | Battery 1#            | /         |
| Back Side   | 15mm  | 165/5825                 | 802.11a   | 0.029                    | 0.024              | 0.009 | -0.17            | 99%               | 0.024                 | 9.35                  | 10.00               | 0.028                   | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT1)                                     |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side   | 15mm  | 104/5520                 | 802.11a   | 0.287                    | 0.294              | 0.111 | 0.07             | 99%               | 0.297                 | 15.19                 | 16.00               | 0.358                   | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT2)                                     |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side   | 15mm  | 60/5300                  | 802.11a   | 0.315                    | 0.339              | 0.115 | -0.11            | 99%               | 0.342                 | 14.93                 | 15.00               | 0.348                   | Battery 2#            | /         |
| Front Side  | 15mm  | 60/5300                  | 802.11a   | 0.033                    | 0.018              | 0.008 | -0.05            | 99%               | 0.018                 | 14.93                 | 15.00               | 0.019                   | Battery 1#            | /         |

Table 219: Body-Worn SAR test results of WiFi 5G CDD

| Test Position of Body-Worn         | Dist. | Test Channel /Freq.(MHz) | Test Mode | WiFi Reported 1-g SAR (W/kg)1-g SAR |       |                      | Accessory Information |
|------------------------------------|-------|--------------------------|-----------|-------------------------------------|-------|----------------------|-----------------------|
|                                    |       |                          |           | Ant 1                               | Ant 2 | CDD/MIMO (Ant1+Ant2) |                       |
| CDD/MIMO                           |       |                          |           |                                     |       |                      |                       |
| Test data of U-NII-1&U-NII-2A band |       |                          |           |                                     |       |                      |                       |
| Front Side                         | 15mm  | 60/5300                  | 802.11a   | 0.096                               | 0.019 | 0.115                | Battery 1#            |
| Back Side                          | 15mm  | 60/5300                  | 802.11a   | 0.096                               | 0.482 | 0.578                | Battery 1#            |
| Back Side                          | 15mm  | 60/5300                  | 802.11a   | 0.096                               | 0.482 | 0.578                | Battery 2#            |
| Test data of U-NII-2C band         |       |                          |           |                                     |       |                      |                       |
| Front Side                         | 15mm  | 104/5520                 | 802.11a   | 0.358                               | 0.077 | 0.435                | Battery 1#            |
| Back Side                          | 15mm  | 104/5520                 | 802.11a   | 0.358                               | 0.077 | 0.435                | Battery 1#            |
| Back Side                          | 15mm  | 104/5520                 | 802.11a   | 0.358                               | 0.077 | 0.435                | Battery 2#            |
| Test data of U-NII-3 band          |       |                          |           |                                     |       |                      |                       |
| Front Side                         | 15mm  | 165/5825                 | 802.11a   | 0.060                               | 0.028 | 0.088                | Battery 1#            |
| Back Side                          | 15mm  | 165/5825                 | 802.11a   | 0.060                               | 0.028 | 0.088                | Battery 1#            |
| Back Side                          | 15mm  | 165/5825                 | 802.11a   | 0.060                               | 0.028 | 0.088                | Battery 2#            |

Table 220: Body-Worn SAR of WiFi 5G CDD

Note:

1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.

2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| ANT1   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of U-NII-1 band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 48/5240                  | 802.11a   | 0.052                    | 0.040              | 0.014 | -0.12            | 99%               | 0.040                 | 15.02                 | 16.00               | 0.050                   | Battery 1#            | /         |
| Back Side  | 10mm  | 48/5240                  | 802.11a   | 0.121                    | 0.118              | 0.042 | -0.18            | 99%               | 0.119                 | 15.02                 | 16.00               | 0.149                   | Battery 1#            | /         |
| Right Side   | 10mm  | 48/5240                  | 802.11a   | 0.048                    | /                  | /     | 0.09             | 99%               | /                     | 15.02                 | 16.00               | /                       | Battery 1#            | /         |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.172                    | 0.164              | 0.064 | -0.14            | 99%               | 0.166                 | 15.02                 | 16.00               | 0.208                   | Battery 1#            | /         |
| Back Side  | 10mm  | 48/5240                  | 802.11a   | 0.129                    | 0.131              | 0.046 | -0.15            | 99%               | 0.132                 | 15.02                 | 16.00               | 0.166                   | Battery 1#            | /         |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.245                    | 0.181              | 0.076 | -0.18            | 99%               | 0.183                 | 15.02                 | 16.00               | 0.229                   | Battery 2#            | /         |
| Test data of U-NII-3 band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 165/5825                 | 802.11a   | 0.025                    | 0.015              | 0.006 | -0.16            | 99%               | 0.016                 | 10.39                 | 11.00               | 0.018                   | Battery 1#            | /         |
| Back Side  | 10mm  | 165/5825                 | 802.11a   | 0.119                    | 0.110              | 0.037 | -0.13            | 99%               | 0.111                 | 10.39                 | 11.00               | 0.128                   | Battery 1#            | /         |
| Right Side   | 10mm  | 165/5825                 | 802.11a   | 0.028                    | /                  | /     | -0.13            | 99%               | /                     | 10.39                 | 11.00               | /                       | Battery 1#            | /         |
| Top Side   | 10mm  | 165/5825                 | 802.11a   | 0.077                    | /                  | /     | -0.16            | 99%               | /                     | 10.39                 | 11.00               | /                       | Battery 1#            | /         |
| Back Side  | 10mm  | 165/5825                 | 802.11a   | 0.090                    | 0.076              | 0.026 | -0.16            | 99%               | 0.076                 | 10.39                 | 11.00               | 0.088                   | Battery 2#            | /         |
| ANT2   |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of U-NII-1 band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 48/5240                  | 802.11a   | 0.026                    | /                  | /     | -0.17            | 99%               | /                     | 14.98                 | 15.00               | /                       | Battery 1#            | /         |
| Back Side  | 10mm  | 48/5240                  | 802.11a   | 0.342                    | 0.387              | 0.116 | -0.02            | 99%               | 0.391                 | 14.98                 | 15.00               | 0.393                   | Battery 1#            | /         |
| Right Side   | 10mm  | 48/5240                  | 802.11a   | 0.139                    | /                  | /     | -0.19            | 99%               | /                     | 14.98                 | 15.00               | /                       | Battery 1#            | /         |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.076                    | 0.086              | 0.021 | -0.17            | 99%               | 0.087                 | 14.98                 | 15.00               | 0.087                   | Battery 1#            | /         |
| Back Side  | 10mm  | 48/5240                  | 802.11a   | 0.352                    | 0.398              | 0.117 | -0.11            | 99%               | 0.402                 | 14.98                 | 15.00               | 0.404                   | Battery 2#            | /         |
| Test data of U-NII-3 band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 165/5825                 | 802.11a   | 0.012                    | /                  | /     | 0.00             | 99%               | /                     | 9.35                  | 10.00               | /                       | Battery 1#            | /         |
| Back Side  | 10mm  | 165/5825                 | 802.11a   | 0.034                    | 0.028              | 0.010 | -0.14            | 99%               | 0.028                 | 9.35                  | 10.00               | 0.033                   | Battery 1#            | /         |
| Right Side   | 10mm  | 165/5825                 | 802.11a   | 0.017                    | /                  | /     | 0.00             | 99%               | /                     | 9.35                  | 10.00               | /                       | Battery 1#            | /         |
| Top Side   | 10mm  | 165/5825                 | 802.11a   | 0.018                    | /                  | /     | -0.18            | 99%               | /                     | 9.35                  | 10.00               | /                       | Battery 1#            | /         |
| Back Side  | 10mm  | 165/5825                 | 802.11a   | 0.041                    | 0.032              | 0.011 | -0.14            | 99%               | 0.033                 | 9.35                  | 10.00               | 0.038                   | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT1)                                  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.208                    | 0.201              | 0.077 | 0.04             | 99%               | 0.203                 | 15.02                 | 16.00               | 0.254                   | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT2)                                  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 48/5240                  | 802.11a   | 0.273                    | 0.302              | 0.087 | -0.14            | 99%               | 0.305                 | 14.98                 | 15.00               | 0.306                   | Battery 2#            | Yes       |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.059                    | 0.049              | 0.020 | -0.06            | 99%               | 0.049                 | 14.98                 | 15.00               | 0.050                   | Battery 2#            | /         |

Table 221: Hotspot SAR test results of WiFi 5G SISO

Note:

- 1) Per KDB248227D01, for Hotspot SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 2) The device do not support hotspot function at U-NII-2A & U-NII-2C band.

3) For U-NII-1, the max tune-up power of 36CH is lower than other channels, so SAR test is performed on 48CH.

| Test Position of Hotspot   | Dist. | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           |                          | 1-g                | 10-g  |                  |                   |                       |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of WiFi 5G CDD with ANT1                                     |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of U-NII-1 band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 48/5240                  | 802.11a   | 0.052                    | 0.040              | 0.014 | -0.12            | 99%               | 0.040                 | 15.02                 | 16.00               | 0.050                   | Battery 1#            | /         |
| Back Side  | 10mm  | 48/5240                  | 802.11a   | 0.121                    | 0.118              | 0.042 | -0.18            | 99%               | 0.119                 | 15.02                 | 16.00               | 0.149                   | Battery 1#            | /         |
| Right Side   | 10mm  | 48/5240                  | 802.11a   | 0.048                    | /                  | /     | 0.09             | 99%               | /                     | 15.02                 | 16.00               | /                       | Battery 1#            | /         |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.172                    | 0.164              | 0.064 | -0.14            | 99%               | 0.166                 | 15.02                 | 16.00               | 0.208                   | Battery 1#            | /         |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.245                    | 0.181              | 0.076 | -0.18            | 99%               | 0.183                 | 15.02                 | 16.00               | 0.229                   | Battery 2#            | /         |
| Test data of U-NII-3 band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 165/5825                 | 802.11a   | 0.025                    | 0.015              | 0.006 | -0.16            | 99%               | 0.016                 | 10.39                 | 11.00               | 0.018                   | Battery 1#            | /         |
| Back Side  | 10mm  | 165/5825                 | 802.11a   | 0.119                    | 0.110              | 0.038 | -0.13            | 99%               | 0.111                 | 10.39                 | 11.00               | 0.128                   | Battery 1#            | /         |
| Right Side   | 10mm  | 165/5825                 | 802.11a   | 0.028                    | /                  | /     | -0.13            | 99%               | /                     | 10.39                 | 11.00               | /                       | Battery 1#            | /         |
| Top Side   | 10mm  | 165/5825                 | 802.11a   | 0.077                    | /                  | /     | -0.16            | 99%               | /                     | 10.39                 | 11.00               | /                       | Battery 1#            | /         |
| Back Side  | 10mm  | 165/5825                 | 802.11a   | 0.090                    | 0.076              | 0.026 | -0.16            | 99%               | 0.076                 | 10.39                 | 11.00               | 0.088                   | Battery 2#            | /         |
| Test data of WiFi 5G CDD with ANT2                                     |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Test data of U-NII-1 band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 48/5240                  | 802.11a   | 0.026                    | /                  | /     | -0.17            | 99%               | /                     | 14.98                 | 15.00               | /                       | Battery 1#            | /         |
| Back Side  | 10mm  | 48/5240                  | 802.11a   | 0.342                    | 0.387              | 0.116 | -0.02            | 99%               | 0.391                 | 14.98                 | 15.00               | 0.393                   | Battery 1#            | /         |
| Right Side   | 10mm  | 48/5240                  | 802.11a   | 0.139                    | /                  | /     | -0.19            | 99%               | 0.000                 | 14.98                 | 15.00               | 0.000                   | Battery 1#            | /         |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.076                    | 0.086              | 0.021 | -0.17            | 99%               | 0.087                 | 14.98                 | 15.00               | 0.087                   | Battery 1#            | /         |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.070                    | /                  | /     | -0.13            | 99%               | /                     | 14.98                 | 15.00               | /                       | Battery 2#            | /         |
| Test data of U-NII-3 band  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Front Side   | 10mm  | 165/5825                 | 802.11a   | 0.012                    | /                  | /     | 0.00             | 99%               | /                     | 9.35                  | 10.00               | /                       | Battery 1#            | /         |
| Back Side  | 10mm  | 165/5825                 | 802.11a   | 0.034                    | 0.028              | 0.010 | -0.14            | 99%               | 0.028                 | 9.35                  | 10.00               | 0.033                   | Battery 1#            | /         |
| Right Side   | 10mm  | 165/5825                 | 802.11a   | 0.017                    | /                  | /     | 0.00             | 99%               | /                     | 9.35                  | 10.00               | /                       | Battery 1#            | /         |
| Top Side   | 10mm  | 165/5825                 | 802.11a   | 0.018                    | /                  | /     | -0.18            | 99%               | /                     | 9.35                  | 10.00               | /                       | Battery 1#            | /         |
| Back Side  | 10mm  | 165/5825                 | 802.11a   | 0.041                    | 0.032              | 0.011 | -0.14            | 99%               | 0.033                 | 9.35                  | 10.00               | 0.038                   | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT1)                                  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.208                    | 0.201              | 0.077 | 0.04             | 99%               | 0.203                 | 15.02                 | 16.00               | 0.254                   | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT2)                                  |       |                          |           |                          |                    |       |                  |                   |                       |                       |                     |                         |                       |           |
| Back Side  | 10mm  | 48/5240                  | 802.11a   | 0.273                    | 0.302              | 0.087 | -0.14            | 99%               | 0.305                 | 14.98                 | 15.00               | 0.306                   | Battery 2#            | /         |
| Top Side   | 10mm  | 48/5240                  | 802.11a   | 0.059                    | 0.049              | 0.020 | -0.06            | 99%               | 0.049                 | 14.98                 | 15.00               | 0.050                   | Battery 2#            | /         |

Table 222: Hotspot SAR test results of WiFi 5G CDD



| Test Position of Hotspot  | Dist. | Test Channel /Freq.(MHz) | Test Mode | WiFi Reported 1-g SAR (W/kg)1-g SAR |       |                      | Accessory Information |
|---------------------------|-------|--------------------------|-----------|-------------------------------------|-------|----------------------|-----------------------|
|                           |       |                          |           | Ant 1                               | Ant 2 | CDD/MIMO (Ant1+Ant2) |                       |
| CDD/MIMO                  |       |                          |           |                                     |       |                      |                       |
| Test data of U-NII-1 band |       |                          |           |                                     |       |                      |                       |
| Front Side                | 10mm  | 48/5240                  | 802.11a   | 0.254                               | 0.404 | 0.658                | Battery 1#            |
| Back Side                 | 10mm  | 48/5240                  | 802.11a   | 0.254                               | 0.404 | 0.658                | Battery 1#            |
| Right Side                | 10mm  | 48/5240                  | 802.11a   | 0.254                               | 0.404 | 0.658                | Battery 1#            |
| Top Side                  | 10mm  | 48/5240                  | 802.11a   | 0.254                               | 0.050 | 0.304                | Battery 1#            |
| Top Side                  | 10mm  | 48/5240                  | 802.11a   | 0.254                               | 0.050 | 0.304                | Battery 2#            |
| Test data of U-NII-3 band |       |                          |           |                                     |       |                      |                       |
| Front Side                | 10mm  | 165/5825                 | 802.11a   | 0.128                               | 0.038 | 0.166                | Battery 1#            |
| Back Side                 | 10mm  | 165/5825                 | 802.11a   | 0.128                               | 0.038 | 0.166                | Battery 1#            |
| Right Side                | 10mm  | 165/5825                 | 802.11a   | 0.128                               | 0.038 | 0.166                | Battery 1#            |
| Top Side                  | 10mm  | 165/5825                 | 802.11a   | 0.128                               | 0.038 | 0.166                | Battery 1#            |
| Back Side                 | 10mm  | 165/5825                 | 802.11a   | 0.128                               | 0.038 | 0.166                | Battery 2#            |

Table 223: Hotspot SAR of WiFi 5G CDD

Note:

- 1) Per KDB248227D01, for Hotspot SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure.The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 2) The device do not support hotspot function at U-NII-2A & U-NII-2C band.

| Product Specific 10-g SAR  | Dist. | Test Channel /Freq. (MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 10-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|---------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|------------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
|  |       |                           |           |                          | 1-g                | 10-g  |                  |                   |                        |                       |                     |                          |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                           |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| ANT1   |       |                           |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Test data of U-NII-2A band   |       |                           |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Front Side   | 0mm   | 60/5300                   | 802.11a   | 0.717                    | 0.729              | 0.255 | -0.10            | 99%               | 0.258                  | 15.16                 | 16.00               | 0.313                    | Battery 1#            | /         |
| Back Side  | 0mm   | 60/5300                   | 802.11a   | 1.120                    | 1.480              | 0.409 | -0.12            | 99%               | 0.413                  | 15.16                 | 16.00               | 0.501                    | Battery 1#            | /         |
| Right Side   | 0mm   | 60/5300                   | 802.11a   | 0.267                    | /                  | /     | -0.13            | 99%               | /                      | 15.16                 | 16.00               | /                        | Battery 1#            | /         |
| Top Side   | 0mm   | 60/5300                   | 802.11a   | 2.730                    | 2.980              | 0.707 | -0.12            | 99%               | 0.714                  | 15.16                 | 16.00               | 0.867                    | Battery 1#            | /         |
| Back Side  | 0mm   | 60/5300                   | 802.11a   | 1.410                    | 1.550              | 0.426 | 0.10             | 99%               | 0.430                  | 15.16                 | 16.00               | 0.522                    | Battery 2#            | /         |
| Top Side   | 0mm   | 60/5300                   | 802.11a   | 2.710                    | 3.760              | 1.020 | 0.18             | 99%               | 1.030                  | 15.16                 | 16.00               | 1.250                    | Battery 2#            | /         |
| Back Side  | 4mm*  | 60/5300                   | 802.11a   | 0.317                    | 0.409              | 0.122 | -0.17            | 99%               | 0.123                  | 15.16                 | 16.00               | 0.150                    | Battery 1#            | /         |
| Test data of U-NII-2C band   |       |                           |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Front Side   | 0mm   | 104/5520                  | 802.11a   | 1.090                    | 0.998              | 0.340 | 0.00             | 99%               | 0.343                  | 15.19                 | 16.00               | 0.414                    | Battery 1#            | /         |
| Back Side  | 0mm   | 104/5520                  | 802.11a   | 1.320                    | 1.640              | 0.438 | -0.14            | 99%               | 0.442                  | 15.19                 | 16.00               | 0.533                    | Battery 1#            | /         |
| Right Side   | 0mm   | 104/5520                  | 802.11a   | 0.562                    | /                  | /     | 0.00             | 99%               | /                      | 15.19                 | 16.00               | /                        | Battery 1#            | /         |
| Top Side   | 0mm   | 104/5520                  | 802.11a   | 3.150                    | 4.060              | 0.995 | 0.16             | 99%               | 1.005                  | 15.19                 | 16.00               | 1.211                    | Battery 1#            | /         |
| Top Side   | 0mm   | 104/5520                  | 802.11a   | 3.220                    | 3.700              | 0.882 | 0.16             | 99%               | 0.891                  | 15.19                 | 16.00               | 1.074                    | Battery 2#            | /         |
| Back Side  | 4mm*  | 104/5520                  | 802.11a   | 0.765                    | 0.965              | 0.281 | 0.14             | 99%               | 0.284                  | 15.19                 | 16.00               | 0.342                    | Battery 1#            | /         |
| ANT2   |       |                           |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Test data of U-NII-2A band   |       |                           |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Front Side   | 0mm   | 60/5300                   | 802.11a   | 0.128                    | 0.151              | 0.045 | 0.00             | 99%               | 0.045                  | 14.93                 | 15.00               | 0.046                    | Battery 1#            | /         |
| Back Side  | 0mm   | 60/5300                   | 802.11a   | 4.100                    | 5.940              | 1.200 | 0.07             | 99%               | 1.212                  | 14.93                 | 15.00               | 1.232                    | Battery 1#            | /         |
| Right Side   | 0mm   | 60/5300                   | 802.11a   | 1.500                    | 1.680              | 0.376 | -0.08            | 99%               | 0.380                  | 14.93                 | 15.00               | 0.386                    | Battery 1#            | /         |
| Top Side   | 0mm   | 60/5300                   | 802.11a   | 0.524                    | 0.519              | 0.127 | -0.01            | 99%               | 0.128                  | 14.93                 | 15.00               | 0.130                    | Battery 1#            | /         |
| Back Side  | 0mm   | 60/5300                   | 802.11a   | 0.690                    | 6.930              | 1.170 | -0.05            | 99%               | 1.182                  | 14.93                 | 15.00               | 1.201                    | Battery 2#            | /         |
| Back Side  | 4mm*  | 60/5300                   | 802.11a   | 0.980                    | 1.580              | 0.331 | -0.14            | 99%               | 0.334                  | 14.93                 | 15.00               | 0.340                    | Battery 2#            | /         |
| Test data of U-NII-2C band   |       |                           |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Front Side   | 0mm   | 104/5520                  | 802.11a   | 0.164                    | /                  | /     | -0.14            | 99%               | /                      | 14.95                 | 15.00               | /                        | Battery 1#            | /         |
| Back Side  | 0mm   | 104/5520                  | 802.11a   | 1.870                    | 2.360              | 0.489 | -0.08            | 99%               | 0.494                  | 14.95                 | 15.00               | 0.500                    | Battery 1#            | /         |
| Right Side   | 0mm   | 104/5520                  | 802.11a   | 0.604                    | /                  | /     | -0.07            | 99%               | /                      | 14.95                 | 15.00               | /                        | Battery 1#            | /         |
| Top Side   | 0mm   | 104/5520                  | 802.11a   | 0.187                    | /                  | /     | -0.17            | 99%               | /                      | 14.95                 | 15.00               | /                        | Battery 1#            | /         |
| Top Side   | 0mm   | 104/5520                  | 802.11a   | 0.254                    | 0.298              | 0.063 | 0.13             | 99%               | 0.064                  | 14.95                 | 15.00               | 0.065                    | Battery 1#            | /         |
| Back Side  | 0mm   | 104/5520                  | 802.11a   | 2.980                    | 3.790              | 0.767 | 0.06             | 99%               | 0.775                  | 14.95                 | 15.00               | 0.784                    | Battery 2#            | /         |
| Back Side  | 4mm*  | 104/5520                  | 802.11a   | 0.527                    | 0.894              | 0.194 | -0.14            | 99%               | 0.196                  | 14.93                 | 15.00               | 0.199                    | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT1)                                  |       |                           |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Top Side   | 0mm   | 60/5300                   | 802.11a   | 3.830                    | 4.350              | 1.020 | 0.00             | 99%               | 1.030                  | 15.16                 | 16.00               | 1.250                    | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT2)                                  |       |                           |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Back Side  | 0mm   | 60/5300                   | 802.11a   | 4.060                    | 4.930              | 1.030 | -0.15            | 99%               | 1.040                  | 14.50                 | 15.00               | 1.167                    | Battery 1#            | Yes       |

Table 224: Product Specific 10-g SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Product Specific 10-g SAR test of WiFi 5G, SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 75% limit, so SAR for other WiFi 5G mode is not required.

2) \* These additional SAR test results are only used to determine Simultaneous Transmission SAR test exclusion(Refer to section 7.3.3 for details).

| Product Specific 10-g SAR  | Dist. | Test Channel /Freq.(MHz) | Test Mode | Area Scan 1-g SAR (W/kg) | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty cycle | Scaled 10-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 10-g SAR (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|--------------------------|--------------------|-------|------------------|-------------------|------------------------|-----------------------|---------------------|--------------------------|-----------------------|-----------|
|  |       |                          |           |                          | 1-g                | 10-g  |                  |                   |                        |                       |                     |                          |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Test data of WiFi 5G CDD with ANT1                                     |       |                          |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Test data of U-NII-2A band   |       |                          |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Front Side   | 0mm   | 60/5300                  | 802.11a   | 0.717                    | 0.729              | 0.255 | -0.10            | 99%               | 0.258                  | 15.16                 | 16.00               | 0.313                    | Battery 1#            | /         |
| Back Side  | 0mm   | 60/5300                  | 802.11a   | 1.120                    | 1.480              | 0.409 | -0.12            | 99%               | 0.413                  | 15.16                 | 16.00               | 0.501                    | Battery 1#            | /         |
| Right Side   | 0mm   | 60/5300                  | 802.11a   | 0.267                    | /                  | /     | -0.13            | 99%               | /                      | 15.16                 | 16.00               | /                        | Battery 1#            | /         |
| Top Side   | 0mm   | 60/5300                  | 802.11a   | 2.710                    | 3.760              | 1.020 | 0.18             | 99%               | 1.030                  | 15.16                 | 16.00               | 1.250                    | Battery 1#            | /         |
| Back Side  | 0mm   | 60/5300                  | 802.11a   | 1.410                    | 1.550              | 0.426 | 0.10             | 99%               | 0.430                  | 15.16                 | 16.00               | 0.522                    | Battery 2#            | /         |
| Back Side  | 4mm*  | 60/5300                  | 802.11a   | 0.317                    | 0.409              | 0.122 | -0.17            | 99%               | 0.123                  | 15.16                 | 16.00               | 0.150                    | Battery 1#            | /         |
| Test data of U-NII-2C band   |       |                          |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Front Side   | 0mm   | 104/5520                 | 802.11a   | 1.090                    | 0.998              | 0.340 | 0.00             | 99%               | 0.343                  | 15.19                 | 16.00               | 0.414                    | Battery 1#            | /         |
| Back Side  | 0mm   | 104/5520                 | 802.11a   | 1.320                    | 1.640              | 0.438 | -0.14            | 99%               | 0.442                  | 15.19                 | 16.00               | 0.533                    | Battery 1#            | /         |
| Right Side   | 0mm   | 104/5520                 | 802.11a   | 0.562                    | /                  | /     | 0.00             | 99%               | /                      | 15.19                 | 16.00               | /                        | Battery 1#            | /         |
| Top Side   | 0mm   | 104/5520                 | 802.11a   | 3.150                    | 4.060              | 0.995 | 0.16             | 99%               | 1.005                  | 15.19                 | 16.00               | 1.211                    | Battery 1#            | /         |
| Top Side   | 0mm   | 104/5520                 | 802.11a   | 3.220                    | 3.700              | 0.882 | 0.16             | 99%               | 0.891                  | 15.19                 | 16.00               | 1.074                    | Battery 2#            | /         |
| Back Side  | 4mm*  | 104/5520                 | 802.11a   | 0.765                    | 0.965              | 0.281 | 0.14             | 99%               | 0.284                  | 15.19                 | 16.00               | 0.342                    | Battery 1#            | /         |
| Test data of WiFi 5G CDD with ANT2                                     |       |                          |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Test data of U-NII-2A band   |       |                          |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Front Side   | 0mm   | 60/5300                  | 802.11a   | 0.128                    | 0.151              | 0.045 | 0.00             | 99%               | 0.045                  | 14.93                 | 15.00               | 0.046                    | Battery 1#            | /         |
| Back Side  | 0mm   | 60/5300                  | 802.11a   | 4.100                    | 5.940              | 1.200 | 0.07             | 99%               | 1.212                  | 14.93                 | 15.00               | 1.232                    | Battery 1#            | /         |
| Right Side   | 0mm   | 60/5300                  | 802.11a   | 1.500                    | 1.680              | 0.376 | -0.08            | 99%               | 0.380                  | 14.93                 | 15.00               | 0.386                    | Battery 1#            | /         |
| Top Side   | 0mm   | 60/5300                  | 802.11a   | 0.524                    | 0.519              | 0.127 | -0.01            | 99%               | 0.128                  | 14.93                 | 15.00               | 0.130                    | Battery 1#            | /         |
| Back Side  | 0mm   | 60/5300                  | 802.11a   | 0.690                    | 6.930              | 1.170 | -0.05            | 99%               | 1.182                  | 14.93                 | 15.00               | 1.201                    | Battery 2#            | /         |
| Back Side  | 4mm*  | 60/5300                  | 802.11a   | 0.980                    | 1.580              | 0.331 | -0.14            | 99%               | 0.334                  | 14.93                 | 15.00               | 0.340                    | Battery 2#            | /         |
| Test data of U-NII-2C band   |       |                          |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Front Side   | 0mm   | 104/5520                 | 802.11a   | 0.147                    | 0.178              | 0.053 | -0.14            | 99%               | 0.053                  | 14.95                 | 15.00               | 0.054                    | Battery 1#            | /         |
| Back Side  | 0mm   | 104/5520                 | 802.11a   | 1.870                    | 2.360              | 0.489 | -0.08            | 99%               | 0.494                  | 14.95                 | 15.00               | 0.500                    | Battery 1#            | /         |
| Right Side   | 0mm   | 104/5520                 | 802.11a   | 0.604                    | /                  | /     | -0.07            | 99%               | /                      | 14.95                 | 15.00               | /                        | Battery 1#            | /         |
| Top Side   | 0mm   | 104/5520                 | 802.11a   | 0.187                    | /                  | /     | -0.17            | 99%               | /                      | 14.95                 | 15.00               | /                        | Battery 1#            | /         |
| Top Side   | 0mm   | 104/5520                 | 802.11a   | 0.254                    | 0.298              | 0.063 | 0.13             | 99%               | 0.064                  | 14.95                 | 15.00               | 0.065                    | Battery 2#            | /         |
| Back Side  | 0mm   | 104/5520                 | 802.11a   | 2.980                    | 3.790              | 0.767 | 0.06             | 99%               | 0.775                  | 14.95                 | 15.00               | 0.784                    | Battery 2#            | /         |
| Back Side  | 4mm*  | 104/5520                 | 802.11a   | 0.527                    | 0.894              | 0.194 | -0.14            | 99%               | 0.196                  | 14.93                 | 15.00               | 0.199                    | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT1)                                  |       |                          |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Top Side   | 0mm   | 60/5300                  | 802.11a   | 3.830                    | 4.350              | 1.020 | 0.00             | 99%               | 1.030                  | 15.16                 | 16.00               | 1.250                    | Battery 2#            | /         |
| LYA-L0C Test at the worst case (ANT2)                                  |       |                          |           |                          |                    |       |                  |                   |                        |                       |                     |                          |                       |           |
| Back Side  | 0mm   | 60/5300                  | 802.11a   | 4.060                    | 4.930              | 1.030 | -0.15            | 99%               | 1.040                  | 14.50                 | 15.00               | 1.167                    | Battery 1#            | /         |

Table 225: Product Specific 10-g SAR test results of WiFi 5G CDD

Note :

- 1) \* These additional SAR test results are only used to determine Simultaneous Transmission SAR test exclusion(Refer to section 7.3.3 for details).
- 2) For WiFi 5G U-NII-2A band, the max tune-up power of 64CH is lower than other channels, so SAR test is performed on 60CH.

3) For WiFi 5G U-NII-2C band, the max tune-up power of 100CH and 140CH are lower than other channels, so SAR test is performed on 104CH.

| Product Specific 10-g SAR  | Dist. | Test Channel /Freq.(MHz) | Test Mode | WiFi Reported 1-g SAR(W/kg) |       |                      | Accessory Information |
|----------------------------|-------|--------------------------|-----------|-----------------------------|-------|----------------------|-----------------------|
|                            |       |                          |           | Ant 1                       | Ant 2 | CDD/MIMO (Ant1+Ant2) |                       |
| <b>CDDMIMO</b>             |       |                          |           |                             |       |                      |                       |
| Test data of U-NII-2A band |       |                          |           |                             |       |                      |                       |
| Front Side                 | 0mm   | 60/5300                  | 802.11a   | 0.313                       | 0.046 | 0.359                | Battery 1#            |
| Back Side                  | 0mm   | 60/5300                  | 802.11a   | 0.522                       | 1.232 | 1.754                | Battery 1#            |
| Right Side                 | 0mm   | 60/5300                  | 802.11a   | 1.250                       | 0.386 | 1.636                | Battery 1#            |
| Top Side                   | 0mm   | 60/5300                  | 802.11a   | 1.250                       | 0.130 | 1.380                | Battery 1#            |
| Back Side                  | 4mm*  | 60/5300                  | 802.11a   | 0.150                       | 0.340 | 0.490                | Battery 1#            |
| Test data of U-NII-2C band |       |                          |           |                             |       |                      |                       |
| Front Side                 | 0mm   | 104/5520                 | 802.11a   | 0.414                       | 0.054 | 0.468                | Battery 1#            |
| Back Side                  | 0mm   | 104/5520                 | 802.11a   | 0.533                       | 0.784 | 1.317                | Battery 1#            |
| Right Side                 | 0mm   | 104/5520                 | 802.11a   | 1.211                       | 0.784 | 1.995                | Battery 1#            |
| Top Side                   | 0mm   | 104/5520                 | 802.11a   | 1.211                       | 0.065 | 1.276                | Battery 1#            |
| Back Side                  | 4mm*  | 104/5520                 | 802.11a   | 0.342                       | 0.199 | 0.541                | Battery 1#            |

Table 226: Product Specific 10-g SAR of WiFi 5G CDD

Note:

- 1) Per KDB248227D01, for Product Specific 10-g SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR is adjusted by the ratio of 802.11a to other WiFi 5G mode specified maximum output power and the adjusted SAR is < 75% limit, so SAR for other WiFi 5G mode is not required.
- 2) \* These additional SAR test results are only used to determine Simultaneous Transmission SAR test exclusion(Refer to section 7.3.3 for details).

## 7.2.18 SAR measurement Result of BT

| Test Position of Head  | Test channel /Freq.(MHz) | Test Mode | SAR Value (W/kg) |       | Power Drift (dB) | Actual duty factor | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported SAR1-g (W/kg) | Accessory Information | SAR Plot. |
|--|--------------------------|-----------|------------------|-------|------------------|--------------------|-----------------------|-----------------------|---------------------|------------------------|-----------------------|-----------|
|  |                          |           | 1-g              | 10-g  |                  |                    |                       |                       |                     |                        |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |                          |           |                  |       |                  |                    |                       |                       |                     |                        |                       |           |
| Left cheek   | 70/2472                  | DH5       | 0.051            | 0.021 | -0.08            | 77%                | 0.066                 | 8.78                  | 10.00               | 0.088                  | Battery 1#            | /         |
| Left tilt  | 70/2472                  | DH5       | 0.044            | 0.020 | 0.10             | 77%                | 0.057                 | 8.78                  | 10.00               | 0.058                  | Battery 1#            | /         |
| Right cheek  | 70/2472                  | DH5       | 0.022            | 0.010 | -0.02            | 77%                | 0.029                 | 8.78                  | 10.00               | 0.030                  | Battery 1#            | /         |
| Right tilt   | 70/2472                  | DH5       | 0.024            | 0.012 | 0.02             | 77%                | 0.032                 | 8.78                  | 10.00               | 0.032                  | Battery 1#            | /         |
| Left cheek   | 70/2472                  | DH5       | 0.037            | 0.014 | -0.11            | 77%                | 0.048                 | 8.78                  | 10.00               | 0.049                  | Battery 2#            | /         |
| Left cheek   | 11/2413                  | DH5       | 0.031            | 0.014 | 0.03             | 77%                | 0.040                 | 8.02                  | 10.00               | 0.049                  | Battery 1#            | /         |
| Left cheek   | 78/2480                  | DH5       | 0.038            | 0.015 | 0.05             | 77%                | 0.049                 | 8.30                  | 10.00               | 0.055                  | Battery 1#            | /         |
| LYA-L0C Test at the worst case   |                          |           |                  |       |                  |                    |                       |                       |                     |                        |                       |           |
| Left cheek   | 70/2472                  | DH5       | 0.072            | 0.037 | -0.12            | 77%                | 0.093                 | 8.78                  | 10.00               | 0.095                  | Battery 1#            | Yes       |

Table 227: Head SAR test results of BT

Note: For BT SAR, the max tune-up power of 11CH~78CH are higher than other channels, so SAR test is performed on 11-70-78CH.

| Test Position of Body-Worn | Dist. | Test Channel /Freq.(MHz) | Test Mode | Measured SAR(W/kg) |       | Power Drift (dB) | Actual duty factor | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported 1-g SAR (W/kg) | Accessory Information | SAR Plot. |
|----------------------------|-------|--------------------------|-----------|--------------------|-------|------------------|--------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                            |       |                          |           | 1-g                | 10-g  |                  |                    |                       |                       |                     |                         |                       |           |
| Front Side                 | 15mm  | 70/2472                  | DH5       | 0.004              | 0.001 | -0.05            | 77%                | 0.005                 | 8.78                  | 10.00               | 0.006                   | Battery 1#            | /         |
| Back Side                  | 15mm  | 70/2472                  | DH5       | 0.002              | 0.001 | -0.04            | 77%                | 0.003                 | 8.78                  | 10.00               | 0.004                   | Battery 1#            | /         |
| Front Side                 | 15mm  | 70/2472                  | DH5       | 0.004              | 0.001 | -0.03            | 77%                | 0.006                 | 8.78                  | 10.00               | 0.008                   | Battery 2#            | Yes       |

Table 228:Body-Worn SAR test results of BT

Note: For BT SAR, the max tune-up power of 11CH~78CH are higher than other channels, so SAR test is performed on 70CH.

| Test Position of Hotspot | Dist. | Test channel /Freq.(MHz) | Test Mode | SAR Value (W/kg) |       | Power Drift (dB) | Actual duty factor | Scaled 1-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported SAR10-g (W/kg) | Accessory Information | SAR Plot. |
|--------------------------|-------|--------------------------|-----------|------------------|-------|------------------|--------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|                          |       |                          |           | 1-g              | 10-g  |                  |                    |                       |                       |                     |                         |                       |           |
| Front Side               | 10mm  | 70/2472                  | DH5       | 0.024            | 0.012 | -0.15            | 77%                | 0.031                 | 8.78                  | 10.00               | 0.041                   | Battery 1#            | /         |
| Back Side                | 10mm  | 70/2472                  | DH5       | 0.031            | 0.013 | 0.13             | 77%                | 0.040                 | 8.78                  | 10.00               | 0.053                   | Battery 1#            | Yes       |
| Right Side               | 10mm  | 70/2472                  | DH5       | 0.024            | 0.011 | 0.09             | 77%                | 0.031                 | 8.78                  | 10.00               | 0.041                   | Battery 1#            | /         |
| Top Side                 | 10mm  | 70/2472                  | DH5       | 0.015            | 0.007 | 0.10             | 77%                | 0.019                 | 8.78                  | 10.00               | 0.025                   | Battery 1#            | /         |
| Back Side                | 10mm  | 70/2472                  | DH5       | 0.030            | 0.013 | 0.13             | 77%                | 0.038                 | 8.78                  | 10.00               | 0.051                   | Battery 2#            | /         |

Table 229:Hotspot SAR test results of BT

Note: For BT SAR, the max tune-up power of 11CH~78CH are higher than other channels, so SAR test is performed on 70CH.

| Product Specific 10-g SAR  | Dist. | Test channel /Freq.(MHz) | Test Mode | SAR Value (W/kg) |       | Power Drift (dB) | Actual duty factor | Scaled 10-g SAR (W/kg) | Conducted Power (dBm) | Tune-up Power (dBm) | Reported SAR10-g (W/kg) | Accessory Information | SAR Plot. |
|--|-------|--------------------------|-----------|------------------|-------|------------------|--------------------|------------------------|-----------------------|---------------------|-------------------------|-----------------------|-----------|
|  |       |                          |           | 1-g              | 10-g  |                  |                    |                        |                       |                     |                         |                       |           |
| Test data From LYA-L29 report (report NO.:SYBH(Z-SAR)20180706013002-2) |       |                          |           |                  |       |                  |                    |                        |                       |                     |                         |                       |           |
| Front Side   | 0mm   | 70/2472                  | DH5       | 0.159            | 0.075 | 0.06             | 77%                | 0.098                  | 8.78                  | 10.00               | 0.130                   | Battery 1#            | /         |
| Back Side  | 0mm   | 70/2472                  | DH5       | 0.152            | 0.067 | 0.13             | 77%                | 0.087                  | 8.78                  | 10.00               | 0.115                   | Battery 1#            | /         |
| Right Side   | 0mm   | 70/2472                  | DH5       | 0.001            | 0.000 | 0.14             | 77%                | 0.001                  | 8.78                  | 10.00               | 0.001                   | Battery 1#            | /         |
| Top Side   | 0mm   | 70/2472                  | DH5       | 0.291            | 0.100 | 0.15             | 77%                | 0.130                  | 8.78                  | 10.00               | 0.172                   | Battery 1#            | /         |
| Top Side   | 0mm   | 70/2472                  | DH5       | 0.258            | 0.099 | -0.12            | 77%                | 0.128                  | 8.78                  | 10.00               | 0.170                   | Battery 2#            | /         |
| LYA-L0C Test at the worst case   |       |                          |           |                  |       |                  |                    |                        |                       |                     |                         |                       |           |
| Top Side   | 0mm   | 70/2472                  | DH5       | 0.263            | 0.101 | 0.14             | 77%                | 0.131                  | 8.78                  | 10.00               | 0.174                   | Battery 1#            | Yes       |

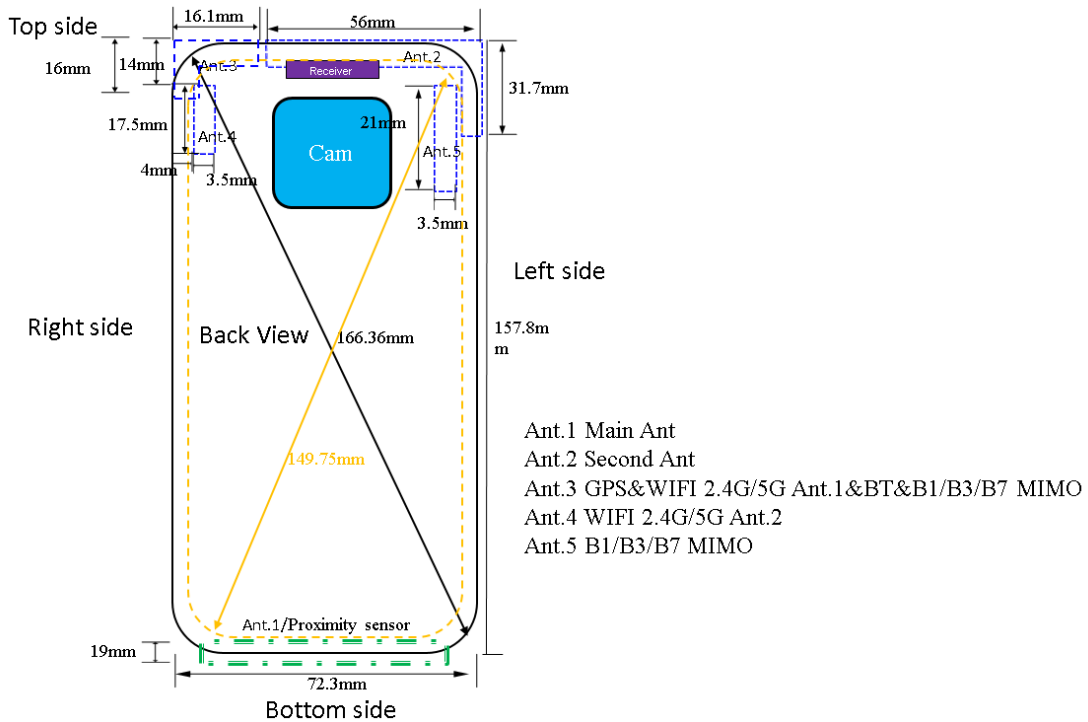
Table 230:Product Specific 10-g SAR test results of BT

Note: For BT SAR, the max tune-up power of 11CH~78CH are higher than other channels, so SAR test is performed on 70CH.



### 7.3 Multiple Transmitter Evaluation

The following tables list information which is relevant for the decision if a simultaneous transmit evaluation is necessary according to FCC KDB 447498D01 General RF Exposure Guidance v06. The location of the antennas inside the device is shown as below picture:



Note:

- 1) Per KDB 648474 D04, because the diagonal distance of this device is  $\geq 160\text{mm}$ , so it is a phablet .
- 2) Main antenna(Ant1) and Secondary antenna(Ant.2) can't transmit simultaneously. Only one antenna can be used for 2G/3G/4G transmission at a time. Ant.1,Ant.2,Ant.3, Ant.5 supports DL LTE 4\*4 MIMO (LTE Band B7).
- 3) Ant.5 does not support TX function.

| Mode                     | Exposure Condition                | Front Side | Back Side | Left Side | Right Side | Top Side | Bottom Side |
|--------------------------|-----------------------------------|------------|-----------|-----------|------------|----------|-------------|
| Main Ant                 | Hotspot/ Product specific 10g SAR | Yes        | Yes       | Yes       | Yes        | No       | Yes         |
| Second Ant               | Hotspot/ Product specific 10g SAR | Yes        | Yes       | Yes       | Yes        | Yes      | No          |
| WiFi2.4G/5G Ant 1/BT Ant | Hotspot/ Product specific 10g SAR | Yes        | Yes       | No        | Yes        | Yes      | No          |
| WiFi2.4G/5G Ant 2        | Hotspot/ Product specific 10g SAR | Yes        | Yes       | No        | Yes        | Yes      | No          |

Table 231: Sides for Hotspot testing

Note:

- 1) Per KDB 941225 D06 and KDB 648474 D04, particular DUT edges were not required to be evaluated for Hotspot SAR if the antenna-to-edge distance is greater than 2.5cm;
- 2) WiFi 5G U-NII-2A and U-NII-2C band does not support hotspot function, therefore U-NII-2A and U-NII-2C were not evaluated for hotspot SAR .

### 7.3.1 Stand-alone SAR test exclusion

Per FCC KDB 447498D01v06, the 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where:

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

| Mode | Position  | $P_{\text{max}}$ (dBm)* | $P_{\text{max}}$ (mW) | Distance (mm) | f (GHz) | Calculation Result | SAR Exclusion threshold | SAR test exclusion |
|------|-----------|-------------------------|-----------------------|---------------|---------|--------------------|-------------------------|--------------------|
| BT   | Body-Worn | 10.00                   | 10.00                 | 15            | 2.480   | 1.05               | 3.00                    | Yes**              |
| BT   | Hotspot   | 10.00                   | 10.00                 | 10            | 2.480   | 1.57               | 3.00                    | Yes**              |

Table 232: Standalone SAR test exclusion for BT

Note:

- 1)\* - maximum possible output power declared by manufacturer
- 2) \*\*-Per KDB447498D01, for situations where the estimated SAR is overly conservative for certain conditions, the test lab may choose to perform standalone SAR measurements, then use the reported SAR to determine simultaneous transmission SAR test exclusion.

### 7.3.2 Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities of this device are as below:

| NO. | Simultaneous TX Combination   | Head | Body-worn | Hotspot | Product Specific 10-g (0mm) |
|-----|---|------|-----------|---------|-----------------------------|
| 1   | GSM Voice(Ant 1) + BT   | Yes  | Yes       | N/A     | Yes                         |
| 2   | GSM DATA(Ant 1) + BT  | N/A  | Yes       | Yes     | Yes                         |
| 3   | GSM Voice(Ant 2) + BT   | Yes  | Yes       | N/A     | Yes                         |
| 4   | GSM DATA (Ant 2)+ BT  | N/A  | Yes       | Yes     | Yes                         |
| 5   | GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi- Fi 2.4G MIMO | Yes  | Yes       | N/A     | Yes                         |
| 6   | GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO   | N/A  | Yes       | Yes     | Yes                         |
| 7   | GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO  | Yes  | Yes       | N/A     | Yes                         |
| 8   | GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO   | N/A  | Yes       | Yes     | Yes                         |
| 9   | UMTS (Ant 1) + BT   | Yes  | Yes       | Yes     | Yes                         |
| 10  | UMTS (Ant 2) + BT   | Yes  | Yes       | Yes     | Yes                         |
| 11  | UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO      | Yes  | Yes       | Yes     | Yes                         |
| 12  | UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO      | Yes  | Yes       | Yes     | Yes                         |
| 13  | LTE (Ant 1) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO       | Yes  | Yes       | Yes     | Yes                         |
| 14  | LTE(Ant 1) + BT   | Yes  | Yes       | Yes     | Yes                         |
| 15  | LTE (Ant 2) + Wi-Fi 2.4G (Ant 1)/ Wi-Fi 2.4G (Ant 2)/ Wi-Fi 2.4G MIMO       | Yes  | Yes       | Yes     | Yes                         |
| 16  | LTE (Ant 2) + BT  | Yes  | Yes       | Yes     | Yes                         |
| 17  | GSM Voice(Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO        | Yes  | Yes       | N/A     | Yes                         |
| 18  | GSM DATA(Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi- Fi 5G MIMO        | N/A  | Yes       | Yes     | Yes                         |
| 19  | GSM Voice(Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO        | Yes  | Yes       | N/A     | Yes                         |
| 20  | GSM DATA(Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO         | N/A  | Yes       | Yes     | Yes                         |
| 21  | UMTS (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO            | Yes  | Yes       | Yes     | Yes                         |
| 22  | UMTS (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO            | Yes  | Yes       | Yes     | Yes                         |
| 23  | LTE (Ant 1) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO             | Yes  | Yes       | Yes     | Yes                         |
| 24  | LTE (Ant 2) + Wi-Fi 5G (Ant 1)/ Wi-Fi 5G (Ant 2)/ Wi-Fi 5G MIMO             | Yes  | Yes       | Yes     | Yes                         |
| 25  | GSM Voice(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)                    | Yes  | Yes       | N/A     | Yes                         |
| 26  | GSM DATA(Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)                     | N/A  | Yes       | Yes     | Yes                         |

|    |  |     |     |     |     |
|----|--|-----|-----|-----|-----|
| 27 | GSM Voice(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2) | Yes | Yes | N/A | Yes |
| 28 | GSM DATA(Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)  | N/A | Yes | Yes | Yes |
| 29 | UMTS (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)     | Yes | Yes | Yes | Yes |
| 30 | UMTS (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)     | Yes | Yes | Yes | Yes |
| 31 | LTE (Ant 1) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)      | Yes | Yes | Yes | Yes |
| 32 | LTE (Ant 2) + Wi-Fi 2.4G (Ant 1) + Wi-Fi 5G (Ant 2)      | Yes | Yes | Yes | Yes |
| 33 | GSM Voice(Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)       | Yes | Yes | N/A | Yes |
| 34 | GSM DATA(Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)        | N/A | Yes | Yes | Yes |
| 35 | GSM Voice(Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)       | Yes | Yes | N/A | Yes |
| 36 | GSM DATA (Ant 2)+ BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)        | N/A | Yes | Yes | Yes |
| 37 | UMTS (Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)           | Yes | Yes | Yes | Yes |
| 38 | UMTS (Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)           | Yes | Yes | Yes | Yes |
| 39 | LTE (Ant 1) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)            | Yes | Yes | Yes | Yes |
| 40 | LTE (Ant 2) + BT+ Wi-Fi 5G (Ant1/ Ant2/ MIMO)            | Yes | Yes | Yes | Yes |

Table 233: Simultaneous Transmission Possibilities

Note:

- 1) Neither Wi-Fi 2.4G Ant.1 nor Wi-Fi 2.4G Ant.2 can transmit simultaneously with Bluetooth.
- 2) Wi-Fi 5G Ant.1 can transmit simultaneously with Bluetooth and Ant.2 also can transmit simultaneously with Bluetooth.
- 3) Wi-Fi 2.4G has two TX antennas. Wi-Fi 2.4G 802.11g/n support 2\*2 CDD/MIMO function.
- 4) Wi-Fi 5G has two TX antennas. Wi-Fi 5G 802.11 a/n/ac support 2\*2 CDD/MIMO function.
- 5) Wi-Fi 2.4G& Wi-Fi 5G can't work at same mode, but they can transmit simultaneously at different modes (Wi-Fi station/P-to-P) by using different Wi-Fi antennas. Only Wi-Fi 2.4G Ant1 station mode and Wi-Fi 5G Ant2 P-to-P mode or Wi-Fi 2.4G Ant1 P-to-P mode and Wi-Fi 5G Ant2 P-to-P mode can transmit simultaneously.
- 6) The device does not support DTM function.
- 7) \* VoLTE or pre-installed VOIP applications are considered.
- 8) The Main Antenna (Ant1) and Second Antenna (Ant 2) can't transmit simultaneously.
- 9) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.
- 10) The device supports Vo- WiFi function.
- 11) WiFi 5G ANT1 and WiFi 2.4G ANT2 can not transmit simultaneously.

### 7.3.3 SAR Summation Scenario

| Test Position             |                 | Second antenna SARMax |         |         |         |         |        |        |        |        |         |         |         |         |         | Second antenna MaxSAR |       |
|---------------------------|-----------------|-----------------------|---------|---------|---------|---------|--------|--------|--------|--------|---------|---------|---------|---------|---------|-----------------------|-------|
|                           |                 | GSM850                | GSM1900 | UMTS B2 | UMTS B4 | UMTS B5 | LTE B2 | LTE B4 | LTE B5 | LTE B7 | LTE B12 | LTE B17 | LTE B26 | LTE B38 | LTE B41 | LTE B66               | 1     |
| Head                      | Left cheek      | 0.422                 | 0.196   | 0.193   | 0.100   | 0.558   | 0.088  | 0.231  | 0.516  | 0.260  | 0.546   | /       | 0.468   | 0.195   | 0.186   | 0.437                 | 0.558 |
|                           | Left tilt       | 0.310                 | 0.205   | 0.243   | 0.098   | 0.394   | 0.115  | 0.176  | 0.298  | 0.307  | 0.383   | /       | 0.488   | 0.244   | 0.232   | 0.349                 | 0.488 |
|                           | Right cheek     | 0.402                 | 0.283   | 0.377   | 0.180   | 0.496   | 0.186  | 0.367  | 0.357  | 0.403  | 0.420   | /       | 0.583   | 0.343   | 0.464   | 0.487                 | 0.496 |
|                           | Right tilt      | 0.319                 | 0.353   | 0.531   | 0.111   | 0.411   | 0.254  | 0.257  | 0.249  | 0.524  | 0.349   | /       | 0.411   | 0.415   | 0.355   | 0.551                 | 0.551 |
| Body Worn                 | Front Side      | 0.049                 | 0.035   | 0.127   | 0.118   | 0.184   | 0.083  | 0.065  | 0.171  | 0.125  | 0.188   | /       | 0.169   | 0.141   | 0.241   | 0.166                 | 0.241 |
|                           | Back Side       | 0.061                 | 0.041   | 0.148   | 0.159   | 0.196   | 0.087  | 0.122  | 0.138  | 0.186  | 0.169   | /       | 0.141   | 0.131   | 0.190   | 0.233                 | 0.233 |
| Hotspot                   | Front Side      | 0.124                 | 0.076   | 0.326   | 0.267   | 0.325   | 0.123  | 0.120  | 0.276  | 0.301  | 0.405   | /       | 0.376   | 0.202   | 0.384   | 0.255                 | 0.405 |
|                           | Back Side       | 0.113                 | 0.106   | 0.322   | 0.273   | 0.363   | 0.138  | 0.186  | 0.258  | 0.335  | 0.433   | /       | 0.352   | 0.292   | 0.600   | 0.201                 | 0.600 |
|                           | Left Side       | 0.089                 | 0.015   | 0.033   | 0.022   | 0.207   | 0.026  | 0.014  | 0.180  | 0.187  | 0.201   | /       | 0.218   | 0.124   | 0.230   | 0.013                 | 0.230 |
|                           | Right Side      | 0.019                 | 0.006   | 0.008   | 0.016   | 0.050   | 0.015  | 0.023  | 0.038  | 0.072  | 0.051   | /       | 0.052   | 0.045   | 0.052   | 0.010                 | 0.072 |
|                           | Top Side        | 0.075                 | 0.190   | 0.423   | 0.346   | 0.202   | 0.251  | 0.157  | 0.153  | 0.884  | 0.256   | /       | 0.285   | 0.522   | 0.636   | 0.318                 | 0.884 |
|                           | Bottom Side     | /                     | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                     | /     |
| Product Specific 10-g SAR | Front Side      | /                     | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                     | 0.000 |
|                           | Back Side (4mm) | /                     | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                     | 0.000 |
|                           | Back Side (0mm) | /                     | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                     | 0.000 |
|                           | Left Side       | /                     | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                     | 0.000 |
|                           | Right Side      | /                     | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                     | 0.000 |
|                           | Top Side        | /                     | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                     | 0.000 |
|                           | Bottom Side     | /                     | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                     | 0.000 |

Table 234: Second antenna Max SAR

| Test Position         |                 | Main antenna SARMax |         |         |         |         |        |        |        |        |         |         |         |         |         | Main antenna MaxSAR |       |       |
|-----------------------|-----------------|---------------------|---------|---------|---------|---------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------------------|-------|-------|
|                       |                 | GSM850              | GSM1900 | UMTS B2 | UMTS B4 | UMTS B5 | LTE B2 | LTE B4 | LTE B5 | LTE B7 | LTE B12 | LTE B17 | LTE B26 | LTE B38 | LTE B41 | LTE B66             | 1     |       |
| Head                  | Left cheek      | 0.125               | 0.087   | 0.192   | 0.233   | 0.144   | 0.172  | 0.177  | 0.162  | 0.077  | 0.128   | /       | 0.132   | 0.035   | 0.020   | 0.168               | 0.233 |       |
|                       | Left tilt       | 0.060               | 0.025   | 0.173   | 0.055   | 0.069   | 0.073  | 0.044  | 0.097  | 0.086  | 0.087   | /       | 0.100   | 0.022   | 0.020   | 0.060               | 0.173 |       |
|                       | Right cheek     | 0.268               | 0.050   | 0.109   | 0.092   | 0.261   | 0.094  | 0.083  | 0.311  | 0.162  | 0.162   | /       | 0.302   | 0.081   | 0.085   | 0.089               | 0.311 |       |
|                       | Right tilt      | 0.075               | 0.037   | 0.082   | 0.058   | 0.087   | 0.083  | 0.051  | 0.092  | 0.053  | 0.072   | /       | 0.069   | 0.015   | 0.014   | 0.067               | 0.092 |       |
| Body Worn             | Front Side      | 0.187               | 0.301   | 0.673   | 0.737   | 0.185   | 0.236  | 0.634  | 0.212  | 0.431  | 0.198   | /       | 0.212   | 0.143   | 0.144   | 0.950               | 0.950 |       |
|                       | Back Side       | 0.251               | 0.368   | 0.807   | 0.944   | 0.303   | 0.321  | 0.946  | 0.283  | 0.242  | 0.252   | /       | 0.315   | 0.181   | 0.174   | 0.923               | 0.946 |       |
| Hotspot               | Front Side      | 0.393               | 0.202   | 0.264   | 0.391   | 0.263   | 0.234  | 0.278  | 0.336  | 0.806  | 0.289   | /       | 0.276   | 0.299   | 0.294   | 0.249               | 0.806 |       |
|                       | Back Side       | 0.532               | 0.256   | 0.366   | 0.420   | 0.482   | 0.304  | 0.359  | 0.458  | 0.695  | 0.326   | /       | 0.404   | 0.345   | 0.351   | 0.294               | 0.695 |       |
|                       | Left Side       | 0.152               | 0.018   | 0.029   | 0.024   | 0.086   | 0.026  | 0.020  | 0.107  | 0.129  | 0.135   | /       | 0.093   | 0.145   | 0.122   | 0.017               | 0.152 |       |
|                       | Right Side      | 0.362               | 0.034   | 0.049   | 0.055   | 0.324   | 0.038  | 0.042  | 0.346  | 0.023  | 0.301   | /       | 0.303   | 0.042   | 0.043   | 0.042               | 0.362 |       |
|                       | Top Side        | /                   | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                   | /     | 0.000 |
|                       | Bottom Side     | 0.198               | 0.503   | 0.765   | 0.777   | 0.163   | 0.571  | 0.689  | 0.210  | 0.295  | 0.143   | /       | 0.224   | 0.325   | 0.235   | 0.539               | 0.777 |       |
| Product Specific 10-g | Front Side      | /                   | 1.251   | 2.579   | 2.208   | /       | /      | /      | /      | 1.018  | /       | /       | /       | /       | /       | 1.102               | 2.579 |       |
|                       | Back Side (4mm) | /                   | 1.081   | 2.686   | 2.594   | /       | 2.517  | 2.420  | /      | 0.586  | /       | /       | /       | /       | /       | 2.570               | 2.686 |       |
|                       | Back Side (0mm) | /                   | /       | 1.678   | 1.809   | /       | 1.903  | 1.583  | /      | 0.991  | /       | /       | /       | /       | /       | 1.717               | 1.903 |       |
|                       | Left Side       | /                   | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                   | 0.000 |       |
|                       | Right Side      | /                   | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                   | 0.000 |       |
|                       | Top Side        | /                   | /       | /       | /       | /       | /      | /      | /      | /      | /       | /       | /       | /       | /       | /                   | 0.000 |       |
|                       | Bottom Side     | /                   | 2.368   | 3.171   | 2.945   | /       | 1.957  | 3.050  | /      | /      | /       | /       | /       | /       | /       | 1.445               | 3.171 |       |

Table 235: Main antenna Max SAR

| Test Position             |                 | Second antenna MaxSAR | WiFi2.4G ANT1 | WiFi2.4G ANT2 | WiFi 2.4G CDD | WiFi 5G ANT1 | WiFi 5G ANT2 | WiFi 5G CDD | BT    | Simultaneously Transmission SAR |                |              |       |
|---------------------------|-----------------|-----------------------|---------------|---------------|---------------|--------------|--------------|-------------|-------|---------------------------------|----------------|--------------|-------|
|                           |                 | 1                     | 2             | 3             | 4             | 5            | 6            | 7           | 8     | 1+MAX(2/3/4)                    | 1+MAX(5/6/7)+8 | 1+2+6        | 1+8   |
| Head                      | Left cheek      | 0.558                 | 0.324         | 0.040         | 0.364         | 0.314        | 0.039        | 0.346       | 0.095 | 0.922                           | <b>0.999</b>   | 0.921        | 0.653 |
|                           | Left tilt       | 0.488                 | 0.324         | 0.040         | 0.364         | 0.314        | 0.039        | 0.346       | 0.058 | 0.852                           | 0.892          | 0.851        | 0.546 |
|                           | Right cheek     | 0.496                 | 0.324         | 0.040         | 0.364         | 0.314        | 0.039        | 0.346       | 0.030 | 0.947                           | 0.959          | 0.946        | 0.613 |
|                           | Right tilt      | 0.551                 | 0.324         | 0.040         | 0.364         | 0.314        | 0.039        | 0.346       | 0.032 | 0.915                           | 0.929          | 0.914        | 0.583 |
| Body Worn                 | Front Side      | 0.241                 | 0.138         | 0.090         | 0.221         | 0.358        | 0.019        | 0.115       | 0.017 | 0.462                           | 0.616          | 0.398        | 0.258 |
|                           | Back Side       | 0.233                 | 0.138         | 0.090         | 0.221         | 0.358        | 0.482        | 0.578       | 0.005 | 0.454                           | 0.816          | <b>0.853</b> | 0.238 |
| Hotspot                   | Front Side      | 0.405                 | 0.334         | 0.256         | 0.549         | 0.254        | 0.404        | 0.658       | 0.043 | 0.954                           | 1.106          | 1.143        | 0.448 |
|                           | Back Side       | 0.600                 | 0.334         | 0.256         | 0.549         | 0.254        | 0.404        | 0.658       | 0.061 | 1.149                           | 1.319          | 1.338        | 0.661 |
|                           | Left Side       | 0.230                 | /             | /             | /             | /            | /            | /           | /     | 0.230                           | 0.230          | 0.230        | 0.230 |
|                           | Right Side      | 0.072                 | 0.334         | 0.256         | 0.549         | 0.254        | 0.404        | 0.658       | 0.045 | 0.621                           | 0.775          | 0.810        | 0.117 |
|                           | Top Side        | 0.884                 | 0.334         | 0.256         | 0.549         | 0.254        | 0.050        | 0.304       | 0.054 | <b>1.433</b>                    | 1.242          | 1.268        | 0.938 |
|                           | Bottom Side     | 0.000                 | /             | /             | /             | /            | /            | /           | /     | 0.000                           | 0.000          | 0.000        | 0.000 |
| Product Specific 10-g SAR | Front Side      | 0.000                 | /             | /             | /             | 0.414        | 0.046        | 0.468       | 0.130 | 0.000                           | 0.598          | 0.130        | 0.130 |
|                           | Back Side (4mm) | 0.000                 | /             | /             | /             | 0.342        | 0.340        | 0.541       | 0.115 | 0.000                           | 0.656          | 0.115        | 0.115 |
|                           | Back Side (0mm) | 0.000                 | /             | /             | /             | 0.533        | 1.232        | 1.754       | 0.115 | 0.000                           | <b>1.869</b>   | 0.115        | 0.115 |
|                           | Left Side       | 0.000                 | /             | /             | /             | /            | /            | /           | /     | 0.000                           | 0.000          | 0.000        | 0.000 |
|                           | Right Side      | 0.000                 | /             | /             | /             | 1.250        | 0.386        | 1.995       | 0.001 | 0.000                           | 1.996          | 0.001        | 0.001 |
|                           | Top Side        | 0.000                 | /             | /             | /             | 1.211        | 0.130        | 1.380       | 0.174 | 0.000                           | 1.554          | 0.174        | 0.174 |
|                           | Bottom Side     | 0.000                 | /             | /             | /             | /            | /            | /           | /     | 0.000                           | 0.000          | 0.000        | 0.000 |

Table 236: SAR Simultaneous Tx Combination of Second antenna with WiFi & BT Scenario

| Test Position         |                 | Main antenna MaxSAR | WiFi2.4G ANT1 | WiFi2.4G ANT2 | WiFi 2.4G CDD | WiFi 5G ANT1 | WiFi 5G ANT2 | WiFi 5G CDD | BT    | Simultaneously Transmission SAR |                |              |       |
|-----------------------|-----------------|---------------------|---------------|---------------|---------------|--------------|--------------|-------------|-------|---------------------------------|----------------|--------------|-------|
|                       |                 | 1                   | 2             | 3             | 4             | 5            | 6            | 7           | 8     | 1+MAX(2/3/4)                    | 1+MAX(5/6/7)+8 | 1+2+6        | 1+8   |
| Head                  | Left cheek      | 0.233               | 0.324         | 0.040         | 0.364         | 0.314        | 0.039        | 0.346       | 0.095 | 0.597                           | 0.674          | 0.596        | 0.328 |
|                       | Left tilt       | 0.173               | 0.324         | 0.040         | 0.364         | 0.314        | 0.039        | 0.346       | 0.058 | 0.537                           | 0.577          | 0.536        | 0.231 |
|                       | Right cheek     | 0.311               | 0.324         | 0.040         | 0.364         | 0.314        | 0.039        | 0.346       | 0.030 | 0.675                           | <b>0.687</b>   | 0.674        | 0.341 |
|                       | Right tilt      | 0.092               | 0.324         | 0.040         | 0.364         | 0.314        | 0.039        | 0.346       | 0.032 | 0.456                           | 0.470          | 0.455        | 0.124 |
| Body Worn             | Front Side      | 0.950               | 0.138         | 0.090         | 0.221         | 0.358        | 0.019        | 0.115       | 0.017 | 1.193                           | 1.347          | 1.129        | 0.989 |
|                       | Back Side       | 0.946               | 0.138         | 0.090         | 0.221         | 0.358        | 0.482        | 0.578       | 0.005 | 1.167                           | 1.529          | <b>1.566</b> | 0.951 |
| Hotspot               | Front Side      | 0.806               | 0.334         | 0.256         | 0.549         | 0.254        | 0.404        | 0.658       | 0.043 | 1.355                           | 1.507          | <b>1.544</b> | 0.849 |
|                       | Back Side       | 0.695               | 0.334         | 0.256         | 0.549         | 0.254        | 0.404        | 0.658       | 0.061 | 1.244                           | 1.414          | 1.433        | 0.756 |
|                       | Left Side       | 0.152               | /             | /             | /             | /            | /            | /           | /     | 0.152                           | 0.152          | 0.152        | 0.152 |
|                       | Right Side      | 0.362               | 0.334         | 0.256         | 0.549         | 0.254        | 0.404        | 0.658       | 0.045 | 0.911                           | 1.065          | 1.100        | 0.407 |
|                       | Top Side        | 0.000               | 0.334         | 0.256         | 0.549         | 0.254        | 0.050        | 0.304       | 0.054 | 0.549                           | 0.358          | 0.384        | 0.054 |
|                       | Bottom Side     | 0.777               | /             | /             | /             | /            | /            | /           | /     | 0.777                           | 0.777          | 0.777        | 0.777 |
| Product Specific 10-g | Front Side      | 2.579               | /             | /             | /             | 0.414        | 0.046        | 0.468       | 0.130 | 2.579                           | 3.177          | 2.625        | 2.709 |
|                       | Back Side (4mm) | 2.686               | /             | /             | /             | 0.342        | 0.340        | 0.541       | 0.115 | 2.686                           | 3.342          | 3.026        | 2.801 |
|                       | Back Side (0mm) | 1.903               | /             | /             | /             | 0.533        | 1.232        | 1.754       | 0.115 | 1.903                           | <b>3.772</b>   | 3.135        | 2.018 |
|                       | Left Side       | 0.000               | /             | /             | /             | /            | /            | /           | /     | 0.000                           | 0.000          | 0.000        | 0.000 |
|                       | Right Side      | 0.000               | /             | /             | /             | 1.250        | 0.386        | 1.995       | 0.001 | 0.000                           | 1.996          | 0.386        | 0.001 |
|                       | Top Side        | 0.000               | /             | /             | /             | 1.211        | 0.130        | 1.380       | 0.174 | 0.000                           | 1.554          | 0.130        | 0.174 |
|                       | Bottom Side     | 3.171               | /             | /             | /             | /            | /            | /           | /     | 3.171                           | 3.171          | 3.171        | 3.171 |

Table 237: SAR Simultaneous Tx Combination of Main antenna with WiFi & BT Scenario

The device also supports Tx wireless charging function. When the device is working on Tx wireless charging mode, other Tx antennas(2G/3G/4G/WIFI/BT) can still work. So this simultaneous transmission should also be considered.

Per KDB 447498D01, the following test exclusion conditions should be satisfied for all combinations of simultaneous transmission configurations:

The  $[\sum \text{ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg}] + [\sum \text{ of MPE ratios}] \leq 1.0$ .

Similarly For Product Specific 10-g SAR, the test exclusion conditions should be:

The  $[\sum \text{ of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 4.0 W/kg}] + [\sum \text{ of MPE ratios}] \leq 1.0$ .

The RF exposure ratios for all combinations of simultaneous transmission configurations are calculated as below:

| exposure condition        | MAX Simultaneous Transmission SAR (W/kg) | SAR Limit (W/kg) | Max E-field (V/m) | MPE Limit (V/m) | RF exposure ratio ( $\leq 1.0$ ) | Conclusion |
|---------------------------|--|------------------|-------------------|-----------------|----------------------------------|------------|
| Head                      | 0.999                                    | 1.6              | 1.23              | 83              | 0.639                            | PASS       |
| Body-worn                 | 1.566                                    | 1.6              | 1.23              | 83              | <b>0.994</b>                     | PASS       |
| Hotspot                   | 1.544                                    | 1.6              | 1.23              | 83              | 0.980                            | PASS       |
| Product Specific 10-g SAR | 3.772                                    | 4.0              | 1.23              | 83              | 0.958                            | PASS       |

Table 238: Simultaneous transmission RF exposure ratios for SAR & MPE(E-Field)

| exposure condition        | MAX Simultaneous Transmission SAR (W/kg) | SAR Limit (W/kg) | Max H-field (A/m) | MPE Limit (A/m) | RF exposure ratio ( $\leq 1.0$ ) | Conclusion |
|---------------------------|--|------------------|-------------------|-----------------|----------------------------------|------------|
| Head                      | 0.999                                    | 1.6              | 0.003             | 90              | 0.624                            | PASS       |
| Body-worn                 | 1.566                                    | 1.6              | 0.003             | 90              | 0.979                            | PASS       |
| Hotspot                   | 1.544                                    | 1.6              | 0.003             | 90              | 0.965                            | PASS       |
| Product Specific 10-g SAR | 3.772                                    | 4.0              | 0.003             | 90              | 0.943                            | PASS       |

Table 239: Simultaneous transmission RF exposure ratios for SAR & MPE(H-Field)

Note: Please refer to the Partial RF exposure test report for detailed Wireless Charging test results per SPR-002.

### 7.3.4 Simultaneous Transmission Conclusion

The above numeral summed SAR results and RF exposure ratio calculation results are sufficient to determine that simultaneous transmission RF exposure test exclusion applies per KDB 447498 D01.



**Appendix A. System Check Plots**

(Please See Appendix No.: SYBH(Z-SAR)20200307031001-2A, total: 33 pages)

**Appendix B. SAR Measurement Plots**

(Please See Appendix No.: SYBH(Z-SAR)20200307031001-2B, total: 104 pages)

**Appendix C. Calibration Certificate**

(Please See Appendix No.: SYBH(Z-SAR)20200307031001-2C, total: 190 pages)

**Appendix D. Photo documentation**

(Please See Appendix No.: SYBH(Z-SAR)20200307031001-2D, total: 7 pages)

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**End**