



**Motorola Model: XT2651V**  
**FCC ID: IHDT56AX5**

## **Power Density Simulation Report**

**July 2026**  
**Rev. 0.1**

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## 2. Simulation Approach for MPE

This section details the approach taken to identify the worst-case beams and beam pairs for each mm-wave antenna array module for evaluation planes 2 mm away from the mobile device.

### 2.1. General Approach

The concept of beamforming adds an additional dimension to the test matrix, effectively increasing the number of the exposure test cases to be checked, by a factor equal to the number of beams that the device can form. This makes it impractical to measure every beam in every measurement plane. Because the mm-wave power density measurement is time-consuming per beam and measurement plane, it is necessary to identify a-priori the worst-case beams for each measurement condition (plane) via simulation, so that these beams can then be measured to characterize the worst-case power density of the device.

The Ansys HFSS simulation tool (HFSS 24.1) was used for the simulation of near-field power density for this process.

### 2.2. Finding Worst-Case Near-Field Results

This process consists of two parts:

1. Finding worst-case surface(s) for each beam, per antenna group and per antenna module in the middle channel of each band for determining worst-case housing influence.
2. Finding worst-case PD value for all three channels of each band for each beam and beam pair, per antenna group and per antenna module for determining the scaling factor for input power limit.

For part 1, only a few measurement planes are considered. The details of selection criteria are as described in a later section. At each x-y-z location on any of the selected measurement planes which are near to a mm-wave module, the simulated PD for each beam from that module is assessed in the middle channel of each band. The test separation distance is 2mm from the device. The worst case of all of these PD results in a worst measurement plane is then identified, and that module and beam configuration is selected for the measurement of PD on the measurement plane in question.

For part 2, only the identified worst-case surfaces are considered as the evaluation planes. At each x-y-z location on any of the selected measurement planes which are near to a mm-wave module, the simulated PD for each beam and beam pair from that module is assessed for all three channels of each band. The test separation distance is 2mm from the device. The worst cases of all these PD results for each individual beam and beam pair are then identified, and that PD value is then compared to PD design target for determining the scaling factor for input power limit as described in RF Exposure Part 0 Report.

For single beams (single-polarization beam generated by transmission from a single Antenna Group, AG0 or AG1 in a module), the PD is simulated directly from the phase weights applied by the modem. For dual beams (beam pairs, i.e. a dual-polarization beam pair generated by transmission from both Antenna Groups in a module), a conservative uncertainty factor was applied based on simulated PD recalculated for every possible group phase relationship between the two beams, to conservatively cover the worst possible combination of relative phase between the two beams (worst-case addition of the fields).

The six measurement planes are named as follows:

- S1 = front
- S2 = back
- S3 = left
- S4 = right
- S5 = top
- S6 = bottom

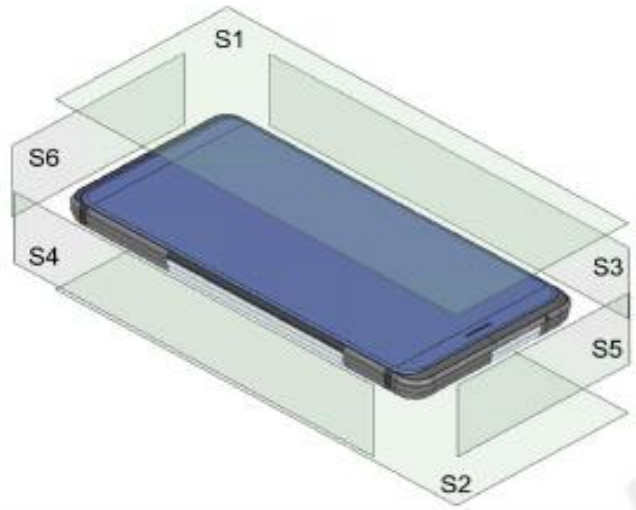


Figure 2.2-1 Identification of the six measurement planes.

## 2.3. Simulation Tool

### 2.3.1. Tool Description

For the mm-wave power density simulations, the commercially available ANSYS Electromagnetics suite version 24.1(HFSS) is used. The ANSYS HFSS tool is used in the industry for simulating 3D, full-wave electromagnetic fields. Motorola uses this EM simulation tool for mm-wave problems due to its established accuracy, advanced solver, and high-performance computing technology capabilities for doing accurate and rapid characterization of high-frequency components.

### 2.3.2. Solver Description

HFSS' solver employs the Finite Element Method, which operates in the frequency domain. The HFSS simulation employed a direct solver with first order basis functions.

### 2.3.3. Convergence criteria and power density calculations

HFSS uses a volume air box containing the simulated area to calculate the EM fields. The box is truncated by an Absorbing Boundary Condition. The simulation uses the adaptive mesh technique to meet the exit criteria of  $\Delta S < 0.02$ . The  $\Delta S$  is the change in the magnitude of the S-parameters between two consecutive passes; if the magnitude and phase of all S-parameters change by an amount less than the Maximum-Delta-S-per-Pass value from one iteration to the next, the adaptive analysis stops. Otherwise, the mesh is refined in higher energy areas, according to proprietary Ansys algorithms, and an additional solution pass is taken. An example of a fully refined mesh through one cross-section of the device is shown in the figure below.

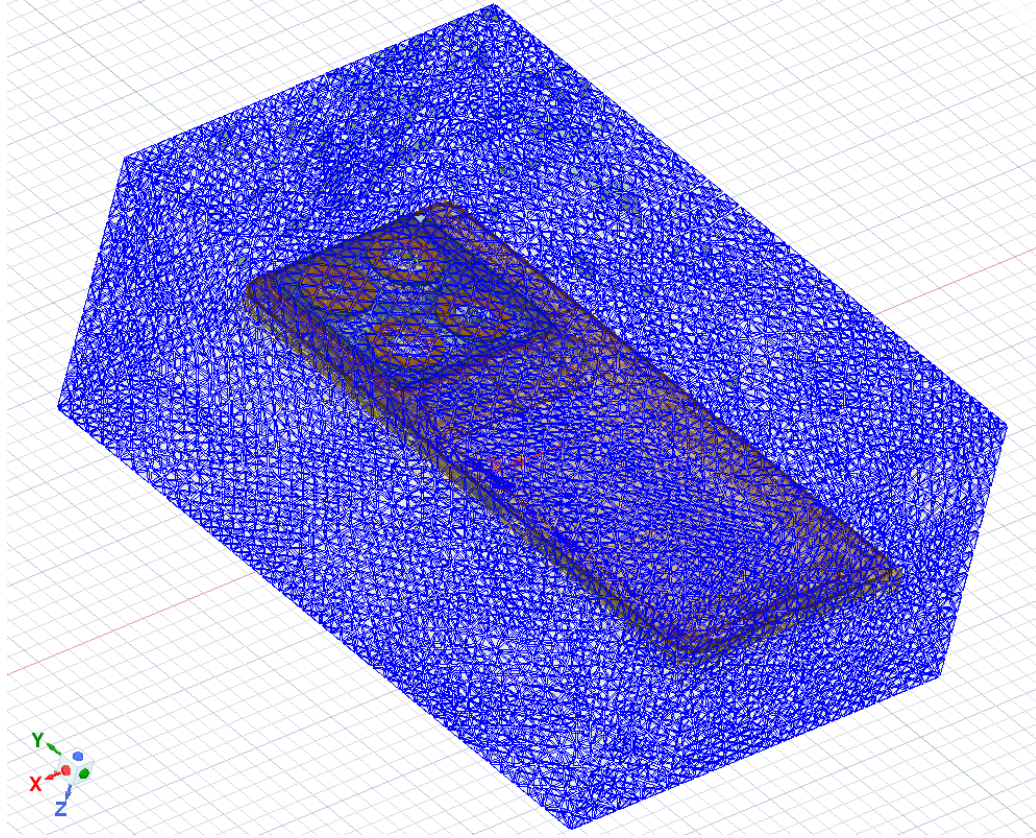


Figure 2.3.3-1: Example of the adaptive mesh technique & Mobile size

Figure 2.3.3-1: The HFSS mesh in a model of the device. After finding the simulated electric and magnetic (E and H) fields, the Poynting vector is calculated based on “peak” (i.e. non-RMS) field values in a grid with a 1 mm step, on the appropriate measurement planes as defined in previous sections. The Poynting vector at each spatial point is readily available in HFSS through the “Field Calculator” navigation option. The magnitude of the real part of the Poynting vector (all X, Y, Z components) at each spatial point i.e. the point power density is exported from HFSS to do the averaging. The spatially averaged power density at each point on a given surface is then calculated by taking the average of the point power density over a 4 square cm area. Thus the total power density (all X, Y, Z components) through any given surface is used to calculate the averaged power density.

Hence the spatially averaged power density on a given surface is calculated as the surface integral of the Poynting vector over a 4 square cm averaging area A:

$$P_{av} = \frac{1}{2A} \int_A |\text{Re}(\vec{E} \times \vec{H}^*)| \cdot dS$$

Note that E and H are the complex field vectors, and the calculation thus leads to the total power density average.

### 2.3.4. 3D Models Used in the Simulations

The 3D model simulated consists of the full CAD model of the mobile device that includes all of the significant structure such as PCB, metal frame, battery, cables and legacy antennas as well as mmWave antenna modules called Back module and Right module. The modeling contains the entire EUT to enable a Smart transmit GEN2, as well. Back module is placed at the back side of the device, facing the back side. A view of the 3D model variant used in each of the various module simulations is shown in the figures 2.3.4-1.

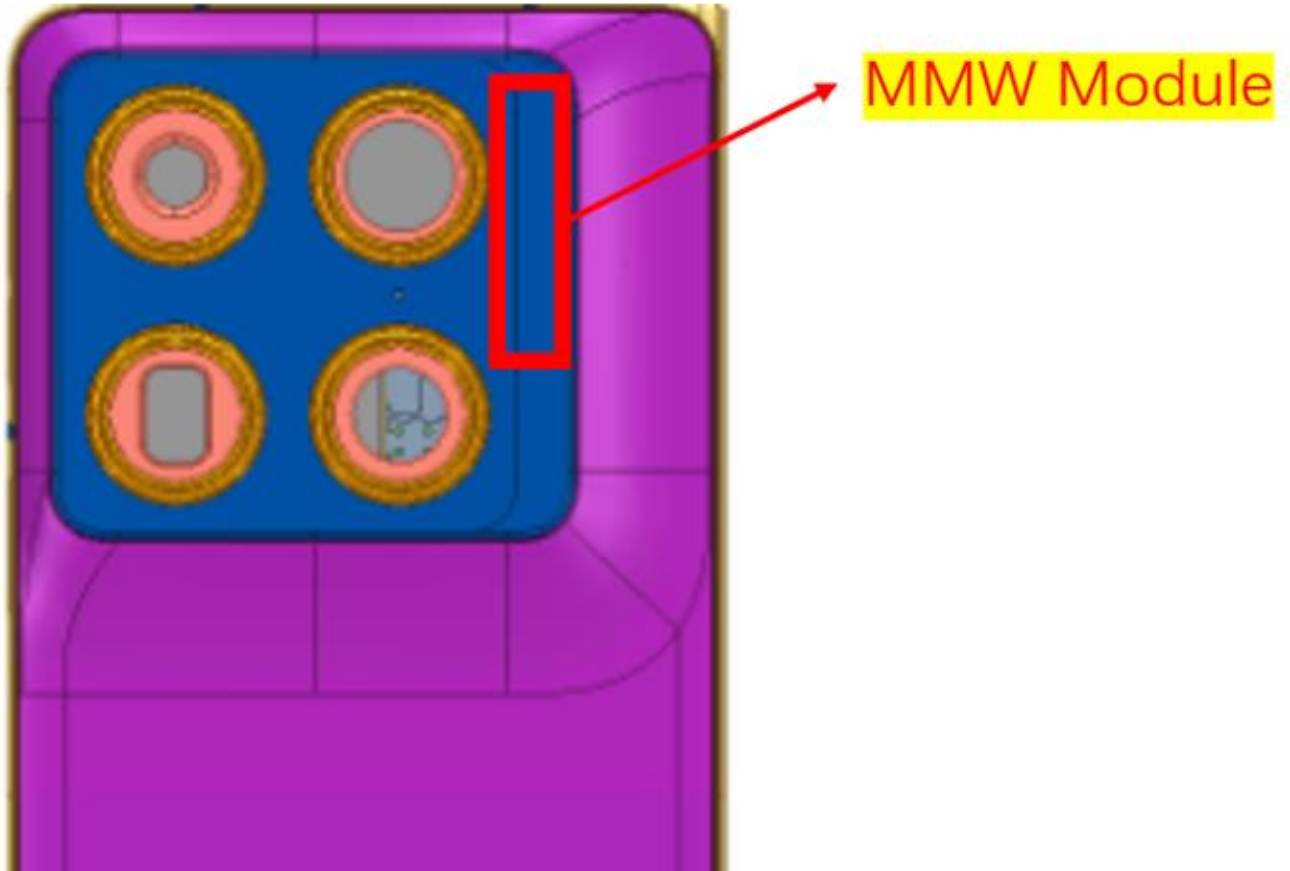


Figure 2.3.4-1: 3D model used for mmW Module (**Back module**), the antenna array is showed

Figure 2.3.4-2: Simulation model which is mounted a mmWave antenna module(Flip Open Status)

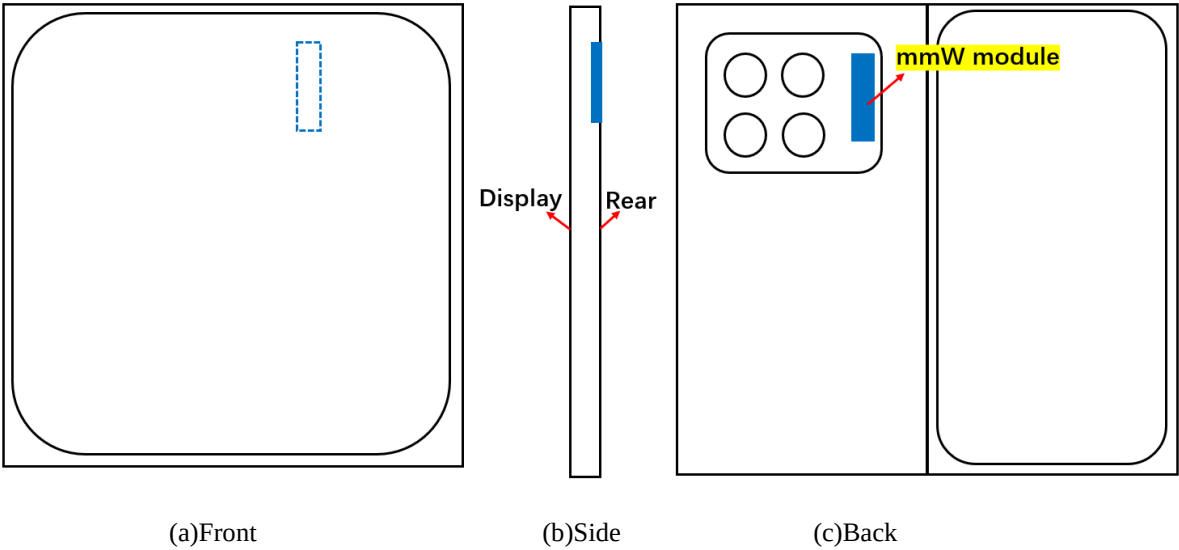
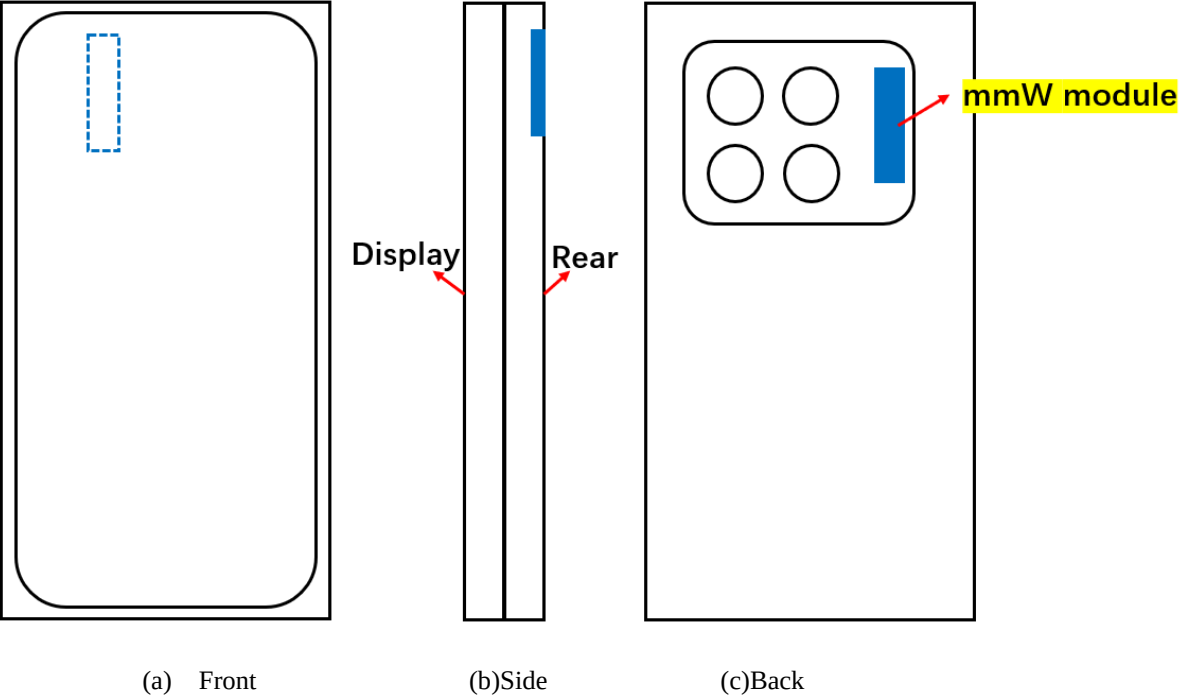


Figure 2.3.4-2: Simulation model which is mounted a mmWave antenna module(Flip Closed Status)



### 2.3.5. PD evaluation planes

Due to the location of the mmWave module and the antenna array orientation relative to the surface of the device, one or more surface(s) might be excluded for PD calculation as they will have no impact for the worst-case PD determination when using Equation below:

$$PD = \max\{PD_{s1}, PD_{s2}, PD_{s3}, PD_{s4}, PD_{s5}, PD_{s6}\}$$

Where  $PD_{s1}, PD_{s2}, PD_{s3}, PD_{s4}, PD_{s5}, PD_{s6}$  are the highest PD on surface S1, S2, S3, S4, S5 and S6 of the devices respectively.

Please note that the ‘Right’ and ‘Left’ edge mentioned in this report are defined from the perspective of looking at the device from the front side (display) with the top of the device pointing up.

Table 1. PD evaluation planes

|             | Front | Back | Left<br>From<br>Front V | Right | Top | Bottom |
|-------------|-------|------|-------------------------|-------|-----|--------|
|             | S1    | S2   | S3                      | S4    | S5  | S6     |
| Back Module | O     | O    | O                       | O     | O   | O      |

Figure 2.3.5-1 is the PD surface(2mm&5mm). It is used to export PD data of 2mm&5mm on each surface, and then calculate PD data of 4cm<sup>2</sup> after export.

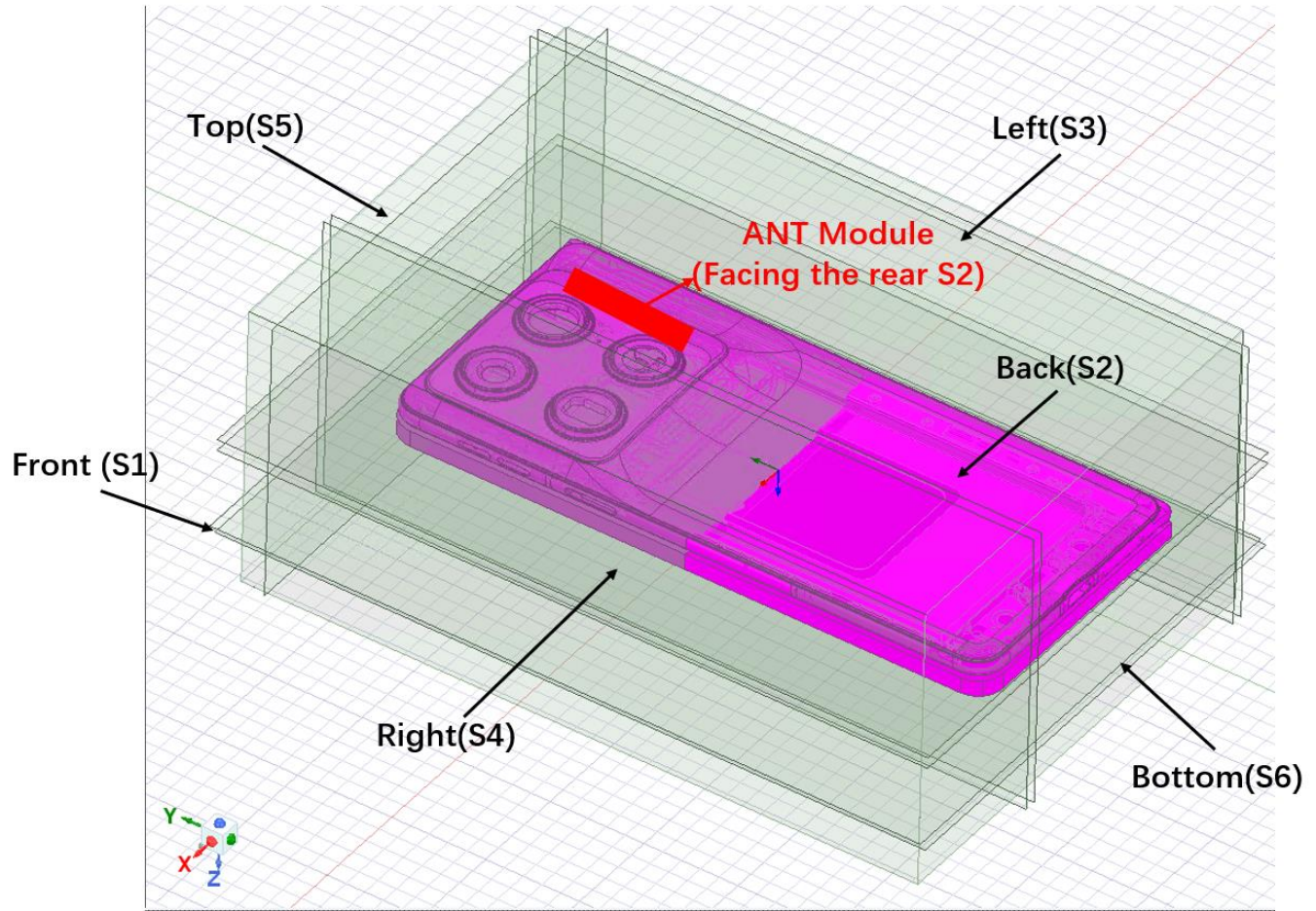


Figure 2.3.5-1: PD surface(2mm&5mm)

### 2.3.6. Boundary condition

To simulate electromagnetic tool based on FEM, the boundary condition allows electromagnetic waves to be electrically open at the boundary and radiated far away without reflection. ANSYS Electromagnetics suite version 2024.R1 (HFSS) can support the absorbing boundary condition (ABC) for radiation boundary and normally make a quarter wavelength from the radiating structure. In this report, to cover all beamforming cases of mmWave antenna modules, 40 mm spacing from the device for each surfaces were adopted. This distance is sufficiently large enough for “Qualcomm IPLG script” to extract valid E- and H-fields from all adjacent exposure surfaces of the EUT.

### 2.3.7. Source excitation condition

The number of antenna ports of module for source excitation are the same. The antenna port of module is divided into 10 ports for n261  $1 \times 5$  patch array antennas, 10 ports for n260  $1 \times 5$  patch array antennas. In the 10 ports included in each patch antenna, 5 ports are divided into vertical polarization feeding, and the other 5 ports are divided into horizontal polarization feeding.

Figure 2.3.7.1 shows the module structure and surrounding structure. The module is encrypted in the ANSYS Electromagnetics suite (HFSS) and can only check the feeding position.

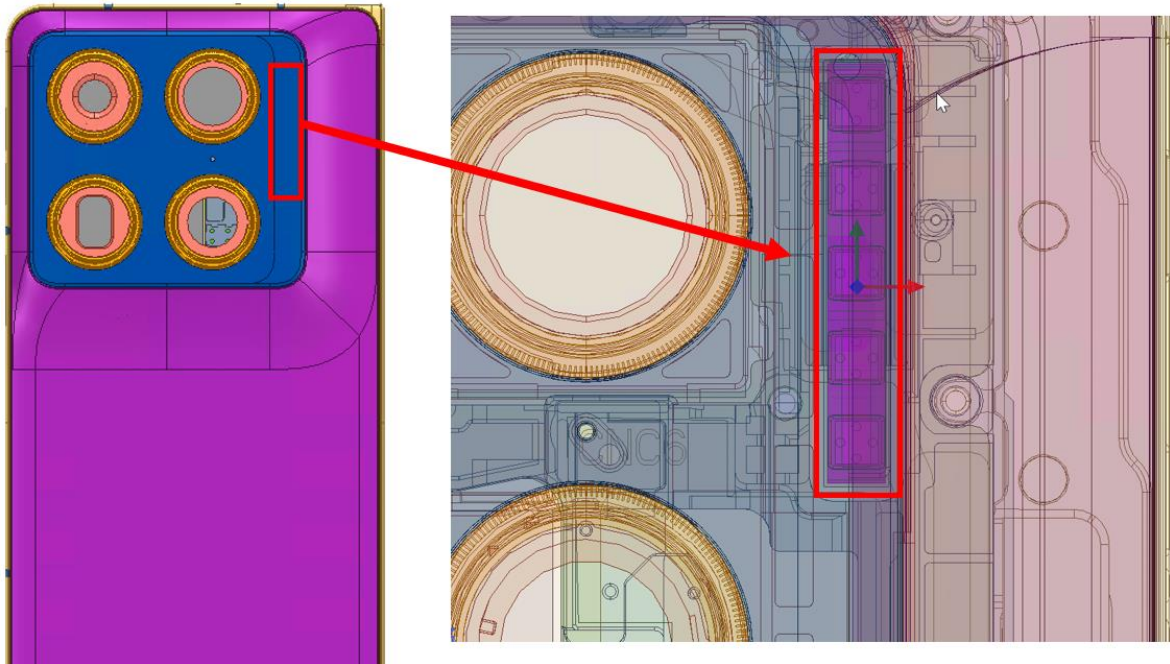


Figure 2.3.7.1 mmWave module

After finishing 3D full wave electromagnetic simulation of modeling structure, the magnitude and phase information can be loaded for each port by using “Edit Sources” function in ANSYS Electromagnetics suite (HFSS). Figure 2.3.7.2 shows an example of antenna port excitations.

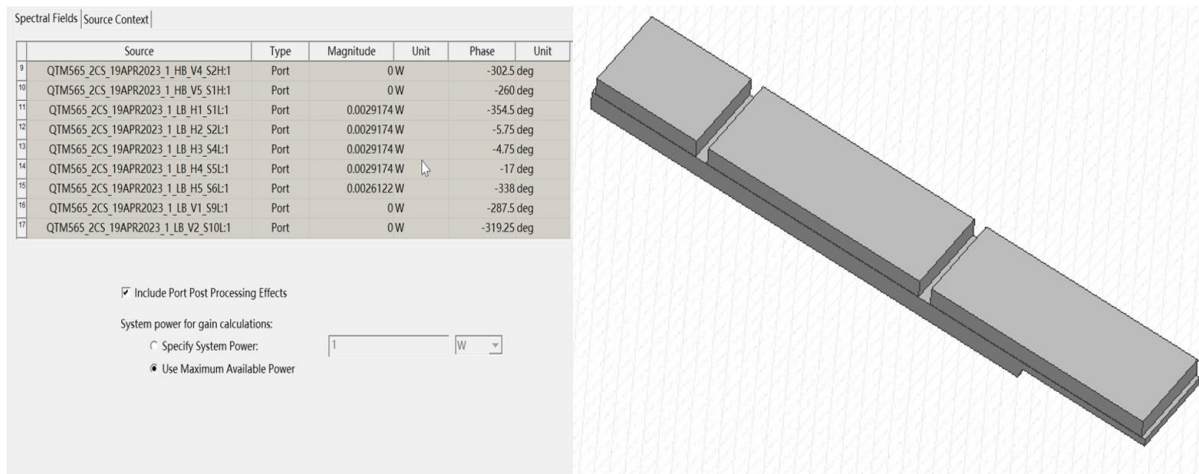


Figure 2.3.7.2 An example of port excitation

Since ANSYS Electromagnetics suite (HFSS) uses FEM solver based on frequency domain analysis method, the input source for the port excitation applies sinusoidal waveform for each frequency.

### 2.3.8. Condition of simulation completion

The simulation completion condition of ANSYS Electromagnetics suite (HFSS) is defined as delta S. The ANSYS Electromagnetics suite (HFSS) calculates the S-parameter for the mesh conditions of each step and determines whether to proceed with the operation of the next step by comparing the difference between the S-parameters in the previous step. A difference between the previous step and the current step of S-parameter is expressed as delta S, and the delta S generally sets 0.02. The simulation result of this report is the result of setting delta S to 0.02.

## 2.4. Simulated verification

### 2.4.1. Spatial-averaged power density

As mentioned in the previous section, the Poynting vector ( $\vec{S}$ ) can be obtained through cross product of an electric field ( $\vec{E}$ ) and complex conjugate of a magnetic field ( $\vec{H}$ ). The real term of the Poynting vector can be described as the point power density or peak power density. Using the point power density, the spatial-averaged power density can be obtained by the integral of a 4 square cm area at 1 mm intervals of the point power density result.

Figure 2.4.1-1 shows examples of the distribution plot of point power density and the averaged power density.

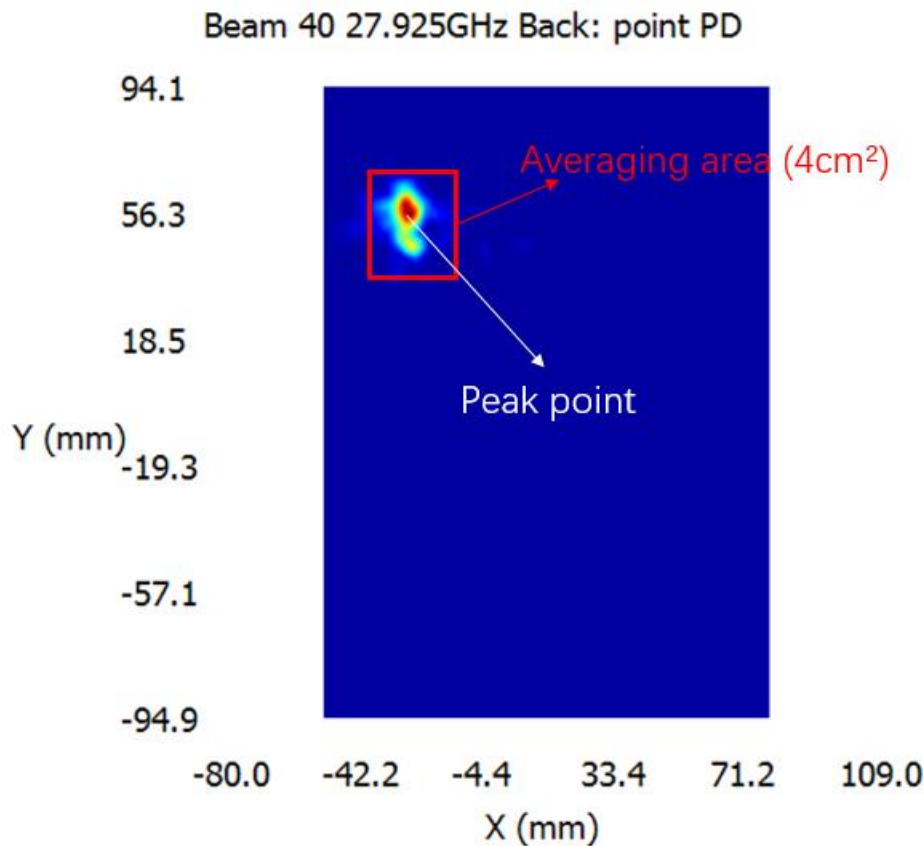


Figure 2.4.1-1 Power density distribution (Example)

For the Smart transmit GEN2, the “Qualcomm IPLG script” were used to extract E-fields and H-fields from the validated simulation and to assess the mutual coupling between all the mmWave antenna modules and all the beams in the codebook to determine the backoff value for each mmWave module. Note the assessment and backoff value derivation are automated with “Qualcomm IPLG script”. Once the script is done with assessment, it will provide the sim.power.limit (backoff is already included) for all the beams for all three channels for the specified PD\_design\_target. This mode takes the minimum sim.power.limit out of all three channels (low, mid and high) and use the result sim.power.limit

## 2.4.2. Comparison between simulated and measured Results

In this section, the simulated power density distribution and measured power density distributions are compared to each mmWave antenna. Furthermore, to verify the Smart transmit GEN2, the PD distributions printing out from the “Qualcomm IPLG script” are added.

Based on comparison of power density distributions, the power densities of simulated, measured and the “Qualcomm MG Script” have a good correlation. The discrepancy in amplitude between the “Qualcomm MG Script” 4cm<sup>2</sup> averaged power density and measured 4cm<sup>2</sup> averaged power density is considered as housing influence and used in determining input power limit for each beam for RF exposure compliance.

The input powers per each active port are listed below for both Simulation and Measurement validation and power density characterization. For Simulation, these values were entered directly into the HFSS model. For measurements, using FTM, the phone was configured to set the active port power to these powers in CW modulation.

Table 2 Input power for simulations and measurements

| Band       | Antenna             | Input Power (dBm) |      |
|------------|---------------------|-------------------|------|
|            |                     | SISO              | MIMO |
| 5G NR n261 | Back Module (Patch) | 6                 | 6    |
| 5G NR n260 | Back Module (Patch) | 6                 | 6    |

PD evaluations were performed based on simulation for all the beams on all determined surfaces of the device. The beams that corresponds to the worst PD for each antenna group for each antenna module for both bands with their corresponding worst surfaces are listed in below table:

Table 3 Worst case beams for each antenna group for each antenna module identified through HFSS simulations

| Condition      | Band | Antenna             | Beam ID | Surface   |
|----------------|------|---------------------|---------|-----------|
| Flip<br>Closed | n261 | Back module (patch) | 14      | Back (S2) |
|                |      |                     | 270     | Back (S2) |
|                | n260 | Back module (patch) | 15      | Back (S2) |
|                |      |                     | 270     | Back (S2) |
| Condition      | Band | Antenna             | Beam ID | Surface   |
| Flip<br>Open   | n261 | Back module (patch) | 14      | Back (S2) |
|                |      |                     | 270     | Back (S2) |
|                | n260 | Back module (patch) | 15      | Back (S2) |
|                |      |                     | 270     | Back (S2) |

### 2.4.3. Comparison between simulated and measured Results

The below simulation at measurement results were performed at 2mm evaluation distance and 28GHz/38.5GHz. The input.power.limit was determined based on the results below from the RF Exposure Part 0 Report.

Table 4 Comparison between simulated and measured results

|                |      |                        |         |          |         | 4 cm2 avg. PD (W/m2) |       |
|----------------|------|------------------------|---------|----------|---------|----------------------|-------|
|                | Band | Antenna                | Beam ID | Surface  | Channel | Meas.                | Sim.  |
| Flip<br>Closed | n261 | Back module<br>(patch) | 14      | Back(S2) | Mid     | 11.4                 | 15.98 |
|                |      |                        | 270     | Back(S2) | Mid     | 15                   | 15.7  |
|                | n260 | Back module<br>(patch) | 15      | Back(S2) | Mid     | 10.4                 | 15.98 |
|                |      |                        | 270     | Back(S2) | Mid     | 9.17                 | 12.62 |
| Flip<br>Open   | n261 | Back module<br>(patch) | 14      | Back(S2) | Mid     | 11.2                 | 16.19 |
|                |      |                        | 270     | Back(S2) | Mid     | 15.1                 | 15.65 |
|                | n260 | Back module<br>(patch) | 15      | Back(S2) | Mid     | 11.6                 | 16    |
|                |      |                        | 270     | Back(S2) | Mid     | 9.36                 | 12.48 |

Based on comparison of power density distributions, simulated power density and measured power density have a good correlation. The discrepancy in amplitude between simulated 4cm2 averaged power density and measured 4cm2 averaged power density is considered as housing influence and used in determining input power limit for each beam for RF exposure compliance (see RF Exposure Part 0 Report).

### 【Flip Closed Status】

Table 5-1 n261 mmW module Mid Channel , Beam ID 41

| Beam ID | Surface | View | Simulated PD |
|---------|---------|------|--------------|
|---------|---------|------|--------------|

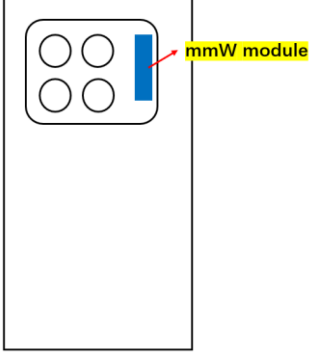
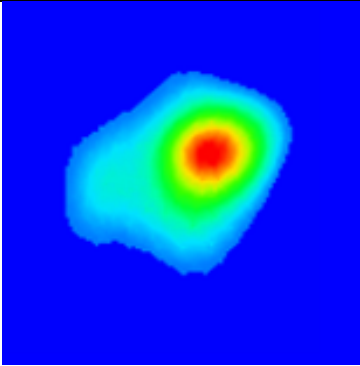
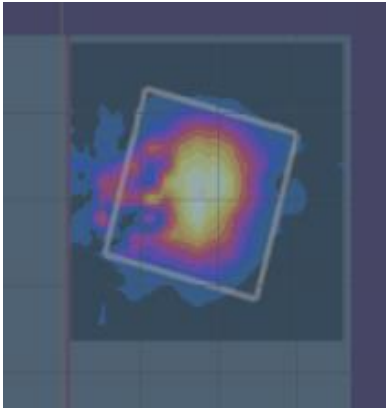
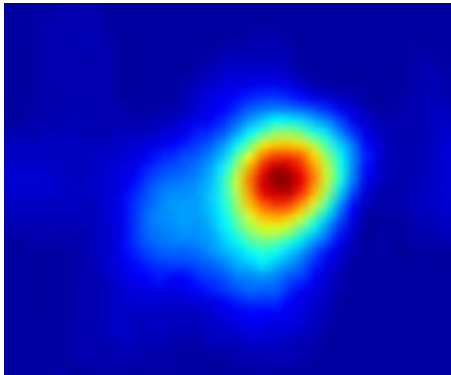
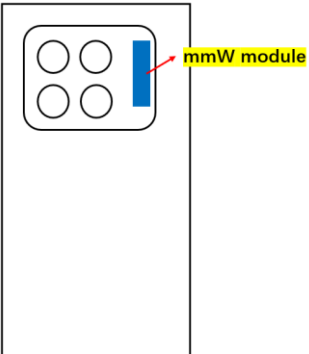
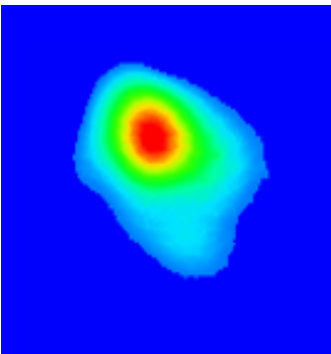
|    |          |                                                                                    |                                                                                     |
|----|----------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 14 | S2(Back) |   |  |
|    |          | Measured PD                                                                        | Print out from Qualcomm MG script                                                   |
|    |          |  |  |

**Table 5-2 n261 mmW module Mid Channel, Beam ID 270**

| Beam ID | Surface  | View                                                                                | Simulated PD                                                                          |
|---------|----------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 270     | S2(Back) |  |  |
|         |          | Measured PD                                                                         | Print out from Qualcomm MG script                                                     |

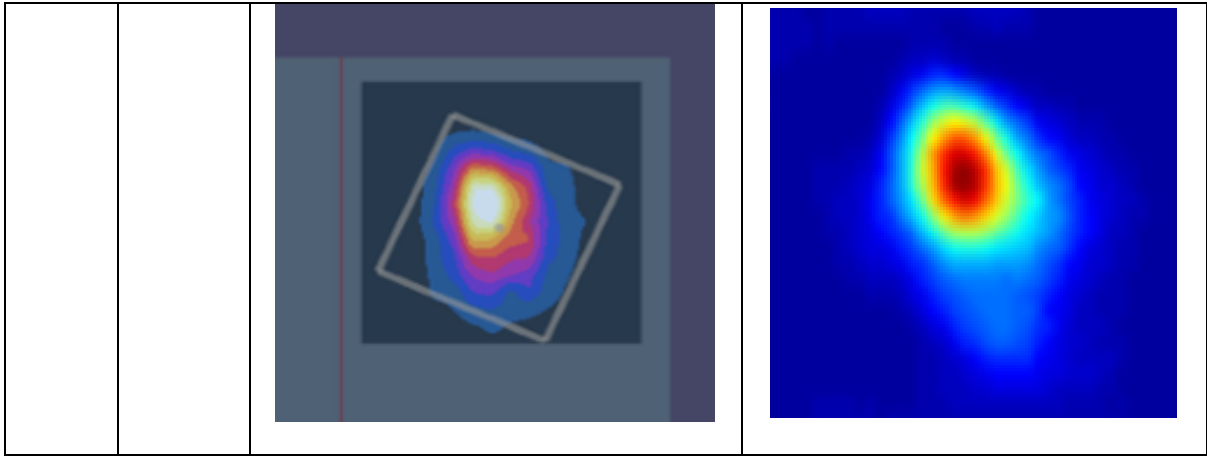


**Table 5-3 n260 mmW module Mid Channel, Beam ID 15**

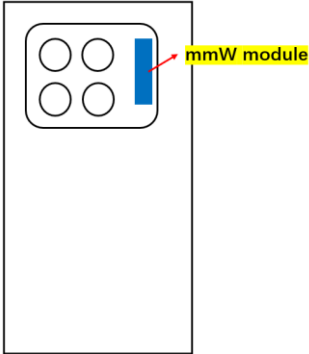
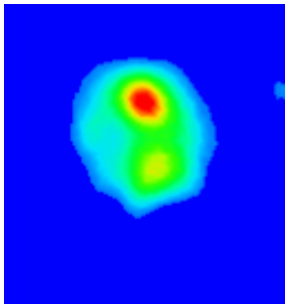
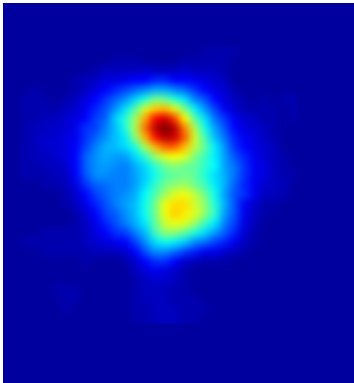
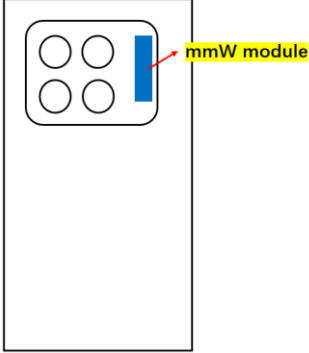
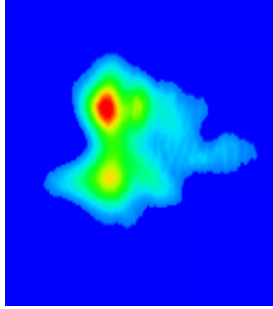
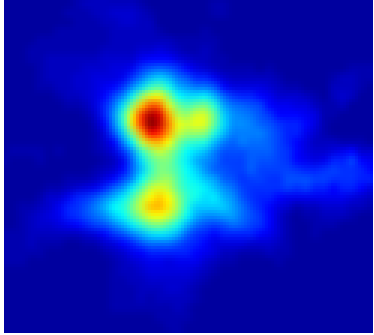
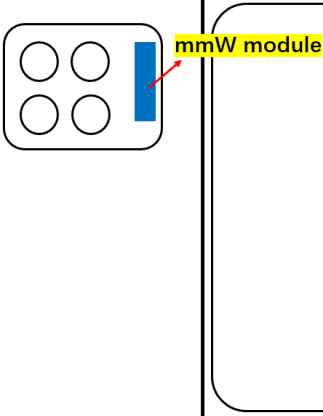
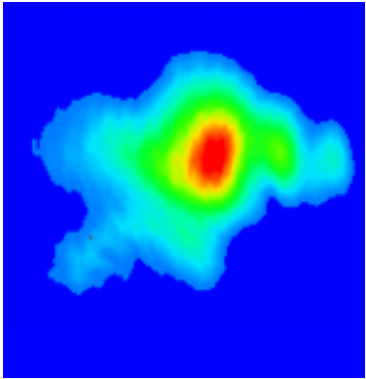
| Beam ID | Surface  | View                                                                                               | Simulated PD                                                                                                               |
|---------|----------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 15      | S2(Back) |                  |                                        |
|         |          | Measured PD<br> | Print out from Qualcomm MG script<br> |

**Table 5-4 n260 mmW module Mid Channel, Beam ID 270**

| Beam ID | Surface  | View                                                                               | Simulated PD                                                                         |
|---------|----------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 270     | S2(Back) |   |   |
|         |          | Measured PD                                                                        | Print out from Qualcomm MG script                                                    |
|         |          |  |  |

### 【Flip Open Status】

**Table 5-5 n261 mmW module Mid Channel, Beam ID 14**

| Beam ID | Surface  | View                                                                                | Simulated PD                                                                          |
|---------|----------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 14      | S2(Back) |  |  |

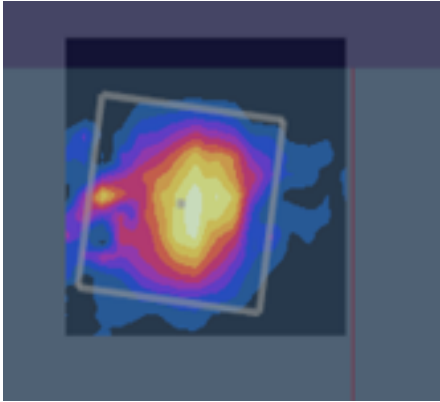
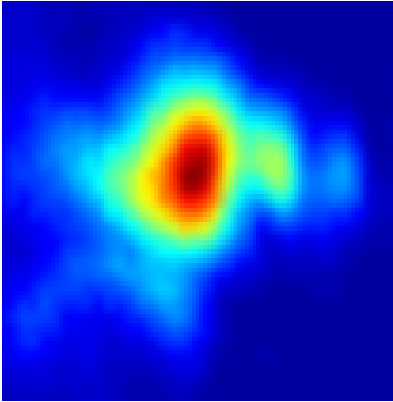
|  |  | Measured PD                                                                       | Print out from Qualcomm MG script                                                   |
|--|--|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |

**Table 5-6 n261 mmW module Mid Channel, Beam ID 270**

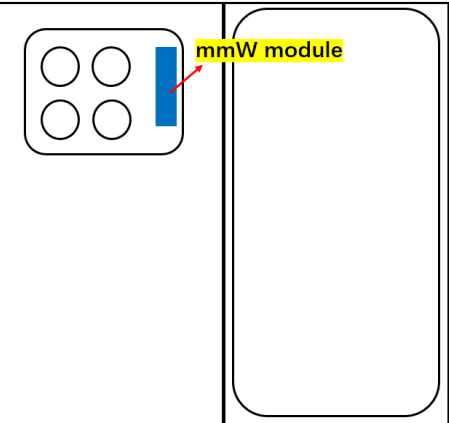
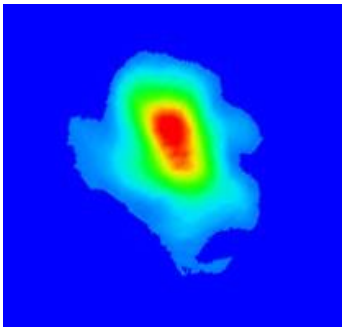
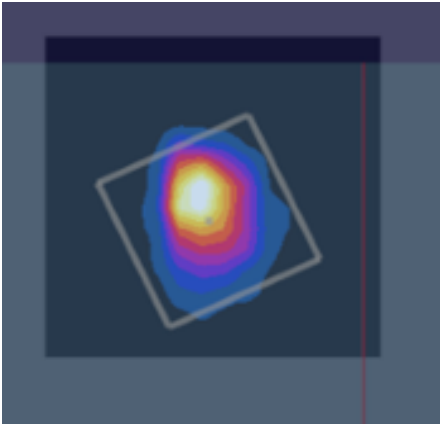
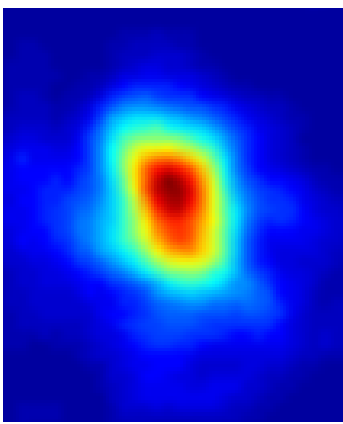
| Beam ID | Surface  | View                                                                                                       | Simulated PD                                                                                                                       |
|---------|----------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 270     | S2(Back) |                          |                                                |
|         |          | <div>Measured PD</div>  | <div>Print out from Qualcomm MG script</div>  |

Table 5-7 n260 mmW module Mid Channel, Beam ID 15

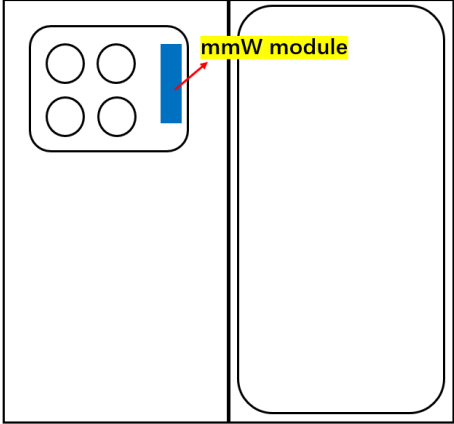
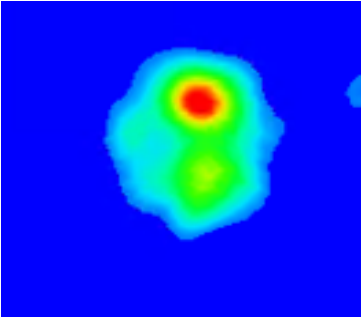
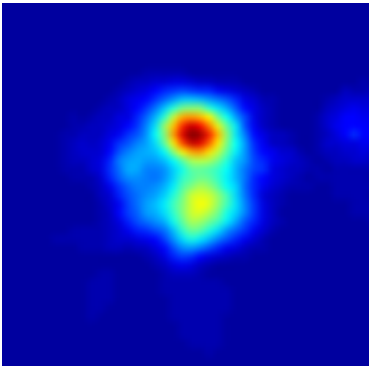
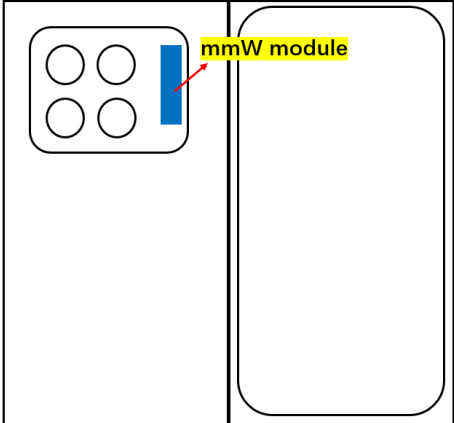
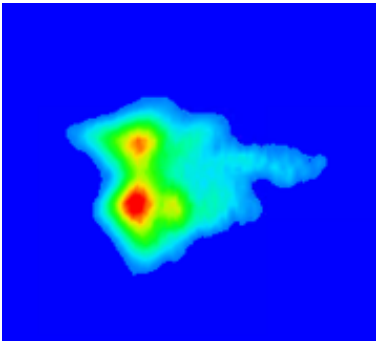
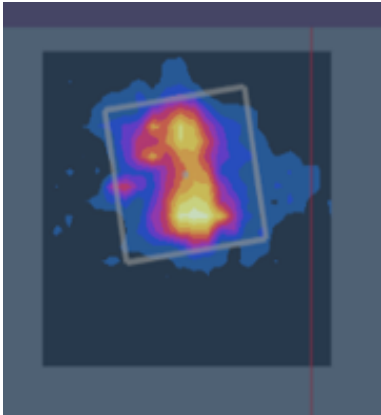
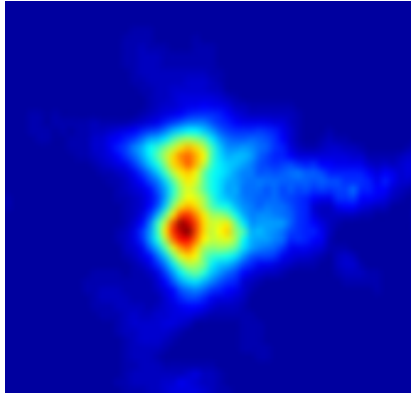
| Beam ID | Surface  | View                                                                               | Simulated PD                                                                         |
|---------|----------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 15      | S2(Back) |   |   |
|         |          | Measured PD                                                                        | Print out from Qualcomm MG script                                                    |
|         |          |  |  |

Table 5-8 n260 mmW module Mid Channel, Beam ID 270

| Beam ID | Surface  | View                                                                                | Simulated PD                                                                          |
|---------|----------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 270     | S2(Back) |  |  |

|  |  | Measured PD                                                                       | Print out from Qualcomm MG script                                                  |
|--|--|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |  |  |

The Smart transmit GEN2 cannot be finalized until the additional verification are performed and passed. Follow the below steps for verifications in the mid channel:

#### VERIFICATION 1:

Use “Qualcomm IPLG script” to print the PD plots for all the beams selected and evaluated for model validation.

- Throughout above comparisons (Table 5-1 to 5-8), the model validation including IPLG script were verified.

This model take “GEN2\_UNIFIED” mode, thus, only verification 1 is required.

#### 2.4.4. Simulated Results

This section shows the PD simulation results of mmW module at 28 GHz and 39 GHz for each evaluation plane specified in Table 6 at separation distance of 2mm and 5mm for open condition and for closed conditions. The ratio of PD exposure from 2mm to 5mm (open and closed) evaluation distance for each beam are also reported in this section to support RF exposure analysis for simultaneous transmission scenarios performed in the Part 1 Near Field PD report.

The relative phase between beam pairs is not controlled in the chipset design. Therefore, the relative phase between each beam pair was considered mathematically to identify the worst-case conditions. The below MIMO results represent the highest reported MIMO simulation results after a conservative uncertainty factor was applied based on simulated PD recalculated for every group phase relationship between the two beams sweeping from 0° to 360° at a 5° step interval.

The worst-case simulated PD determined from the tables in this section were used for conservativeness in input power limit determination in RF Exposure Part 0 Report.

#### 2.4.4.1 PD for Low/Mid/High Channel at 28GHz/29GHz

Table 6-1 to 6-12 shows the PD simulation evaluation of the back mmW module at low, middle and high channel that 27.5GHz/27.925GHz/28.35GHz in n261 and 37GHz/38.5GHz/40GHz in n260 for the corresponding evaluation planes specified in Table 6.

#### 【Flip Closed Status】

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Closed n260 Back module_4cm2 Average Total PD (W/m^2)_low channel |            |            |             |           |              |             |            |            |             |           |              |                                       |  |
|--------------|--------------|-------------------|------------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|---------------------------------------|--|
|              |              |                   | Surface 2mm                                                            |            |            |             |           |              | Surface 5mm |            |            |             |           |              | 87.9%                                 |  |
|              |              |                   | S1<br>front                                                            | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | Ratio worst surface<br>back (5mm/2mm) |  |
| 0            |              | 0                 | 0.01                                                                   | 2.31       | 0.24       | 0.06        | 0.43      | 0.01         | 0.01        | 1.69       | 0.16       | 0.06        | 0.36      | 0.01         | 73.2%                                 |  |
| 1            |              | 0                 | 0.03                                                                   | 2.72       | 0.48       | 0.03        | 0.43      | 0.02         | 0.02        | 1.99       | 0.41       | 0.03        | 0.36      | 0.02         | 73.2%                                 |  |
| 2            |              | 0                 | 0.12                                                                   | 3.48       | 0.43       | 0.05        | 0.87      | 0.02         | 0.08        | 2.6        | 0.35       | 0.04        | 0.53      | 0.02         | 74.7%                                 |  |
| 3            |              | 0                 | 0.05                                                                   | 3.25       | 0.4        | 0.03        | 0.76      | 0.02         | 0.04        | 2.43       | 0.33       | 0.03        | 0.51      | 0.02         | 74.8%                                 |  |
| 4            |              | 0                 | 0.01                                                                   | 2.33       | 0.36       | 0.06        | 0.79      | 0.01         | 0.01        | 1.72       | 0.3        | 0.06        | 0.5       | 0.01         | 73.8%                                 |  |
| 5            |              | 0                 | 0.14                                                                   | 6.47       | 1          | 0.08        | 2.19      | 0.07         | 0.1         | 4.12       | 0.79       | 0.08        | 1.67      | 0.06         | 63.7%                                 |  |
| 6            |              | 0                 | 0.06                                                                   | 4.31       | 0.66       | 0.11        | 0.93      | 0.01         | 0.04        | 3.56       | 0.54       | 0.11        | 0.63      | 0.01         | 82.6%                                 |  |
| 7            |              | 0                 | 0.05                                                                   | 5.46       | 1.05       | 0.11        | 0.52      | 0.03         | 0.03        | 4.54       | 0.87       | 0.11        | 0.43      | 0.02         | 83.2%                                 |  |
| 8            |              | 0                 | 0.03                                                                   | 5.38       | 0.64       | 0.08        | 1.2       | 0.06         | 0.02        | 3.9        | 0.52       | 0.07        | 1.12      | 0.06         | 72.5%                                 |  |
| 9            |              | 0                 | 0.25                                                                   | 6          | 0.72       | 0.09        | 2.22      | 0.06         | 0.18        | 4.08       | 0.51       | 0.09        | 1.46      | 0.06         | 68.0%                                 |  |
| 10           |              | 0                 | 0.06                                                                   | 4.92       | 0.93       | 0.11        | 0.56      | 0.01         | 0.04        | 4.31       | 0.8        | 0.11        | 0.34      | 0.01         | 87.6%                                 |  |
| 11           |              | 0                 | 0.03                                                                   | 7.37       | 1.32       | 0.09        | 1.62      | 0.02         | 0.02        | 6.26       | 1.07       | 0.08        | 1.2       | 0.02         | 84.9%                                 |  |
| 12           |              | 0                 | 0.13                                                                   | 15.44      | 2.24       | 0.19        | 8.52      | 0.16         | 0.09        | 11.62      | 1.54       | 0.17        | 6.96      | 0.15         | 75.3%                                 |  |
| 13           |              | 0                 | 0.65                                                                   | 10.13      | 2.39       | 0.24        | 5.98      | 0.07         | 0.44        | 8.49       | 1.98       | 0.23        | 3.98      | 0.06         | 83.8%                                 |  |
| 14           |              | 0                 | 0.43                                                                   | 11.45      | 3.04       | 0.31        | 3.76      | 0.02         | 0.29        | 9.83       | 2.25       | 0.27        | 2.36      | 0.02         | 85.9%                                 |  |
| 15           |              | 0                 | 0.03                                                                   | 15.89      | 3.26       | 0.52        | 2.35      | 0.03         | 0.02        | 13.6       | 2.69       | 0.49        | 1.41      | 0.03         | 85.6%                                 |  |
| 16           |              | 0                 | 0.1                                                                    | 15.58      | 2.72       | 0.23        | 6.73      | 0.32         | 0.08        | 12.19      | 2.07       | 0.17        | 5.65      | 0.3          | 78.2%                                 |  |
| 17           |              | 0                 | 0.28                                                                   | 11.05      | 2.08       | 0.27        | 5.01      | 0.09         | 0.2         | 8.25       | 1.78       | 0.27        | 3.87      | 0.09         | 74.7%                                 |  |
| 18           |              | 0                 | 0.69                                                                   | 8.81       | 2.3        | 0.32        | 6.71      | 0.03         | 0.46        | 7.61       | 1.69       | 0.31        | 4.34      | 0.02         | 86.4%                                 |  |
| 19           |              | 0                 | 0.05                                                                   | 15.38      | 4.17       | 0.41        | 0.74      | 0.03         | 0.03        | 13.52      | 2.63       | 0.38        | 0.5       | 0.03         | 87.9%                                 |  |
| 20           |              | 0                 | 0.12                                                                   | 14.34      | 3.67       | 0.19        | 5.31      | 0.13         | 0.08        | 11.83      | 3.11       | 0.15        | 3.71      | 0.12         | 82.5%                                 |  |
| 256          |              | 0                 | 0.02                                                                   | 2.35       | 0.2        | 0.07        | 0.19      | 0.02         | 0.01        | 1.82       | 0.15       | 0.06        | 0.13      | 0.02         | 77.4%                                 |  |
| 257          |              | 0                 | 0.02                                                                   | 2.49       | 0.28       | 0.09        | 0.27      | 0.02         | 0.02        | 1.88       | 0.23       | 0.08        | 0.2       | 0.02         | 75.5%                                 |  |
| 258          |              | 0                 | 0.04                                                                   | 3          | 0.28       | 0.08        | 0.43      | 0.02         | 0.03        | 2.13       | 0.25       | 0.07        | 0.31      | 0.02         | 71.0%                                 |  |
| 259          |              | 0                 | 0.05                                                                   | 2.96       | 0.29       | 0.08        | 0.51      | 0.02         | 0.03        | 2.29       | 0.21       | 0.07        | 0.36      | 0.01         | 77.4%                                 |  |
| 260          |              | 0                 | 0.02                                                                   | 2.19       | 0.37       | 0.05        | 0.37      | 0.03         | 0.02        | 1.66       | 0.31       | 0.04        | 0.26      | 0.03         | 75.8%                                 |  |
| 261          |              | 0                 | 0.12                                                                   | 5.42       | 0.68       | 0.18        | 1.29      | 0.05         | 0.08        | 3.78       | 0.67       | 0.16        | 0.87      | 0.05         | 69.7%                                 |  |
| 262          |              | 0                 | 0.04                                                                   | 5.73       | 0.62       | 0.25        | 0.38      | 0.04         | 0.03        | 4.71       | 0.49       | 0.22        | 0.25      | 0.04         | 82.2%                                 |  |
| 263          |              | 0                 | 0.04                                                                   | 4.78       | 0.49       | 0.21        | 0.41      | 0.05         | 0.03        | 3.78       | 0.39       | 0.19        | 0.34      | 0.05         | 79.1%                                 |  |
| 264          |              | 0                 | 0.05                                                                   | 3.57       | 0.45       | 0.09        | 0.62      | 0.06         | 0.04        | 2.35       | 0.47       | 0.08        | 0.45      | 0.05         | 65.8%                                 |  |
| 265          |              | 0                 | 0.07                                                                   | 5.14       | 0.61       | 0.19        | 0.57      | 0.02         | 0.05        | 4.07       | 0.51       | 0.17        | 0.36      | 0.02         | 79.2%                                 |  |
| 266          |              | 0                 | 0.1                                                                    | 6          | 0.95       | 0.18        | 0.98      | 0.01         | 0.07        | 4.87       | 0.75       | 0.16        | 0.6       | 0.01         | 81.2%                                 |  |
| 267          |              | 0                 | 0.05                                                                   | 4.37       | 0.49       | 0.14        | 1.38      | 0.07         | 0.03        | 3.27       | 0.42       | 0.11        | 0.95      | 0.06         | 74.8%                                 |  |
| 268          |              | 0                 | 0.14                                                                   | 10.9       | 2.99       | 0.27        | 2.17      | 0.18         | 0.1         | 8.11       | 3.11       | 0.21        | 1.64      | 0.16         | 74.4%                                 |  |
| 269          |              | 0                 | 0.28                                                                   | 12.38      | 2.63       | 0.55        | 2.7       | 0.06         | 0.2         | 10.53      | 2.4        | 0.48        | 1.34      | 0.05         | 85.1%                                 |  |
| 270          |              | 0                 | 0.14                                                                   | 15.23      | 2.51       | 1.04        | 1.58      | 0.06         | 0.1         | 12.23      | 1.96       | 0.97        | 1         | 0.06         | 80.3%                                 |  |
| 271          |              | 0                 | 0.13                                                                   | 11.11      | 1.68       | 0.64        | 1.45      | 0.16         | 0.09        | 8.95       | 1.52       | 0.57        | 1.03      | 0.15         | 80.6%                                 |  |
| 272          |              | 0                 | 0.11                                                                   | 10.91      | 2.06       | 0.18        | 4.39      | 0.28         | 0.08        | 8.5        | 1.71       | 0.16        | 3.15      | 0.26         | 77.9%                                 |  |
| 273          |              | 0                 | 0.16                                                                   | 11.94      | 3          | 0.43        | 2.17      | 0.04         | 0.11        | 9.68       | 2.71       | 0.36        | 1.35      | 0.04         | 81.1%                                 |  |
| 274          |              | 0                 | 0.31                                                                   | 13.89      | 2.3        | 0.73        | 2.68      | 0.08         | 0.21        | 11.28      | 1.95       | 0.67        | 1.56      | 0.07         | 81.2%                                 |  |
| 275          |              | 0                 | 0.06                                                                   | 13.84      | 2.09       | 1           | 1.13      | 0.1          | 0.05        | 11.05      | 1.7        | 0.89        | 0.83      | 0.09         | 79.8%                                 |  |
| 276          |              | 0                 | 0.16                                                                   | 11.04      | 2.12       | 0.32        | 3.76      | 0.11         | 0.12        | 9.02       | 2.08       | 0.27        | 2.63      | 0.1          | 81.7%                                 |  |
| 0            | 256          | 0                 | 0.06                                                                   | 5.28       | 0.51       | 0.2         | 0.93      | 0.04         | 0.04        | 3.84       | 0.4        | 0.18        | 0.74      | 0.04         | 72.7%                                 |  |
| 1            | 257          | 0                 | 0.07                                                                   | 5.49       | 0.9        | 0.17        | 1.04      | 0.08         | 0.05        | 4.2        | 0.74       | 0.16        | 0.71      | 0.08         | 76.5%                                 |  |
| 2            | 258          | 0                 | 0.21                                                                   | 6.84       | 0.87       | 0.21        | 1.87      | 0.07         | 0.14        | 4.88       | 0.73       | 0.19        | 1.12      | 0.06         | 71.3%                                 |  |
| 3            | 259          | 0                 | 0.19                                                                   | 7.1        | 0.89       | 0.15        | 1.79      | 0.04         | 0.13        | 5.27       | 0.74       | 0.14        | 1.19      | 0.04         | 74.2%                                 |  |
| 4            | 260          | 0                 | 0.06                                                                   | 5.38       | 0.97       | 0.14        | 1.69      | 0.06         | 0.04        | 4.09       | 0.8        | 0.14        | 1.16      | 0.06         | 76.0%                                 |  |
| 5            | 261          | 0                 | 0.49                                                                   | 12.47      | 1.74       | 0.42        | 4.66      | 0.19         | 0.33        | 8.6        | 1.53       | 0.4         | 3.33      | 0.17         | 69.0%                                 |  |
| 6            | 262          | 0                 | 0.16                                                                   | 11.02      | 1.64       | 0.52        | 2         | 0.05         | 0.11        | 9.03       | 1.36       | 0.52        | 1.32      | 0.05         | 81.9%                                 |  |
| 7            | 263          | 0                 | 0.11                                                                   | 11.23      | 1.67       | 0.46        | 1.13      | 0.13         | 0.08        | 8.84       | 1.41       | 0.42        | 0.85      | 0.12         | 78.7%                                 |  |
| 8            | 264          | 0                 | 0.13                                                                   | 9.94       | 1.68       | 0.26        | 2.31      | 0.22         | 0.08        | 6.51       | 1.3        | 0.23        | 2.04      | 0.2          | 65.5%                                 |  |
| 9            | 265          | 0                 | 0.43                                                                   | 11.08      | 1.64       | 0.33        | 3.44      | 0.1          | 0.31        | 8.61       | 1.52       | 0.28        | 2.35      | 0.09         | 77.7%                                 |  |
| 10           | 266          | 0                 | 0.3                                                                    | 11.76      | 2.2        | 0.4         | 2.37      | 0.03         | 0.2         | 9.59       | 1.78       | 0.38        | 1.43      | 0.03         | 81.5%                                 |  |
| 11           | 267          | 0                 | 0.13                                                                   | 12.79      | 2.09       | 0.3         | 3.18      | 0.14         | 0.09        | 10.32      | 1.76       | 0.25        | 2.55      | 0.13         | 80.7%                                 |  |
| 12           | 268          | 0                 | 0.43                                                                   | 25.51      | 7.02       | 0.53        | 14.53     | 0.55         | 0.32        | 18.49      | 6.91       | 0.44        | 11.79     | 0.5          | 72.5%                                 |  |
| 13           | 269          | 0                 | 1.47                                                                   | 26.29      | 6.62       | 1.23        | 12.79     | 0.18         | 1           | 22.68      | 5.54       | 1.08        | 7.41      | 0.17         | 86.3%                                 |  |
| 14           | 270          | 0                 | 0.96                                                                   | 29.85      | 7.65       | 2           | 8.46      | 0.11         | 0.66        | 24.35      | 6.35       | 1.87        | 5.2       | 0.11         | 81.6%                                 |  |
| 15           | 271          | 0                 | 0.2                                                                    | 29.82      | 6.34       | 2.01        | 4.4       | 0.29         | 0.15        | 24.55      | 5.42       | 1.84        | 3.03      | 0.26         | 82.3%                                 |  |
| 16           | 272          | 0                 | 0.37                                                                   | 31.61      | 6.48       | 0.43        | 12.19     | 1.06         | 0.24        | 23.87      | 5.06       | 0.34        | 9.94      | 0.99         | 75.5%                                 |  |
| 17           | 273          | 0                 | 0.75                                                                   | 25.65      | 7.48       | 0.84        | 10.04     | 0.15         | 0.52        | 19.7       | 6.75       | 0.79        | 7.89      | 0.14         | 76.8%                                 |  |
| 18           | 274          | 0                 | 1.78                                                                   | 28.22      | 7.45       | 1.58        | 15.46     | 0.15         | 1.21        | 23.72      | 5.94       | 1.53        | 9.6       | 0.15         | 84.1%                                 |  |
| 19           | 275          | 0                 | 0.18                                                                   | 31.56      | 7.15       | 2.14        | 2.05      | 0.2          | 0.13        | 26.56      | 5.56       | 1.95        | 1.64      | 0.18         | 84.2%                                 |  |
| 20           | 276          | 0                 | 0.28                                                                   | 29.48      | 7.91       | 0.77        | 10.23     | 0.31         | 0.19        | 24.18      | 6.97       | 0.62        | 7.45      | 0.29         | 82.0%                                 |  |

Table 6-1 PD of Back mmW module (n260) Low channel

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Closed n260 Back module_4cm2 Average Total PD (W/m^2)_Mid channel |            |            |             |           |              |             |            |            |             |           |              |       | Ratio worst<br>surface back<br>(5mm/2mm) |
|--------------|--------------|-------------------|------------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|-------|------------------------------------------|
|              |              |                   | Surface 2mm                                                            |            |            |             |           |              | Surface 5mm |            |            |             |           |              |       |                                          |
|              |              |                   | S1<br>front                                                            | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom |       |                                          |
| 0            |              | 0                 | 0.01                                                                   | 2.32       | 0.3        | 0.06        | 0.36      | 0.01         | 0.01        | 1.68       | 0.23       | 0.06        | 0.3       | 0.01         | 72.4% |                                          |
| 1            |              | 0                 | 0.02                                                                   | 2.7        | 0.44       | 0.04        | 0.41      | 0.03         | 0.01        | 2.08       | 0.34       | 0.04        | 0.29      | 0.02         | 77.0% |                                          |
| 2            |              | 0                 | 0.13                                                                   | 3.52       | 0.43       | 0.05        | 1.04      | 0.01         | 0.1         | 2.75       | 0.37       | 0.04        | 0.65      | 0.01         | 78.1% |                                          |
| 3            |              | 0                 | 0.09                                                                   | 2.97       | 0.35       | 0.05        | 1.09      | 0.02         | 0.06        | 2.21       | 0.26       | 0.04        | 0.75      | 0.02         | 74.4% |                                          |
| 4            |              | 0                 | 0.02                                                                   | 2.08       | 0.23       | 0.04        | 0.77      | 0.01         | 0.01        | 1.64       | 0.17       | 0.04        | 0.51      | 0.01         | 78.8% |                                          |
| 5            |              | 0                 | 0.13                                                                   | 6.55       | 0.91       | 0.08        | 2.33      | 0.04         | 0.1         | 4.34       | 0.67       | 0.07        | 1.81      | 0.04         | 66.3% |                                          |
| 6            |              | 0                 | 0.03                                                                   | 4.3        | 0.99       | 0.12        | 0.87      | 0.02         | 0.02        | 3.46       | 0.83       | 0.11        | 0.65      | 0.02         | 80.5% |                                          |
| 7            |              | 0                 | 0.03                                                                   | 5.22       | 1.09       | 0.1         | 0.51      | 0.03         | 0.02        | 4.37       | 0.92       | 0.09        | 0.4       | 0.03         | 83.7% |                                          |
| 8            |              | 0                 | 0.03                                                                   | 5.65       | 0.85       | 0.11        | 0.9       | 0.07         | 0.02        | 3.69       | 0.67       | 0.11        | 0.78      | 0.06         | 65.3% |                                          |
| 9            |              | 0                 | 0.26                                                                   | 5.99       | 0.71       | 0.1         | 2.7       | 0.04         | 0.2         | 4.04       | 0.59       | 0.08        | 1.81      | 0.04         | 67.4% |                                          |
| 10           |              | 0                 | 0.03                                                                   | 4.59       | 1          | 0.09        | 0.6       | 0.01         | 0.02        | 4.09       | 0.81       | 0.08        | 0.41      | 0.01         | 89.1% |                                          |
| 11           |              | 0                 | 0.08                                                                   | 7.05       | 1.11       | 0.12        | 1.75      | 0.03         | 0.05        | 5.93       | 0.89       | 0.1         | 1.19      | 0.02         | 84.1% |                                          |
| 12           |              | 0                 | 0.17                                                                   | 13.38      | 2.13       | 0.25        | 7.15      | 0.14         | 0.12        | 9.98       | 1.59       | 0.2         | 5.96      | 0.14         | 74.6% |                                          |
| 13           |              | 0                 | 0.5                                                                    | 12.79      | 3.06       | 0.27        | 4.42      | 0.06         | 0.37        | 11.14      | 2.33       | 0.25        | 2.97      | 0.06         | 87.1% |                                          |
| 14           |              | 0                 | 0.55                                                                   | 9.28       | 2.07       | 0.39        | 5.57      | 0.02         | 0.39        | 7.97       | 1.77       | 0.33        | 3.66      | 0.02         | 85.9% |                                          |
| 15           |              | 0                 | 0.05                                                                   | 15.98      | 4.42       | 0.45        | 2.62      | 0.02         | 0.04        | 14.27      | 3.66       | 0.4         | 1.59      | 0.02         | 89.3% |                                          |
| 16           |              | 0                 | 0.12                                                                   | 13.72      | 3.36       | 0.24        | 5.84      | 0.28         | 0.08        | 10.6       | 2.62       | 0.16        | 4.66      | 0.26         | 77.3% |                                          |
| 17           |              | 0                 | 0.33                                                                   | 9.15       | 2.48       | 0.25        | 6.56      | 0.06         | 0.25        | 6.37       | 2.03       | 0.21        | 4.91      | 0.05         | 69.6% |                                          |
| 18           |              | 0                 | 0.65                                                                   | 10         | 2.45       | 0.33        | 6.06      | 0.03         | 0.46        | 8.82       | 1.87       | 0.29        | 4.06      | 0.03         | 88.2% |                                          |
| 19           |              | 0                 | 0.17                                                                   | 14.02      | 3.79       | 0.37        | 2.14      | 0.03         | 0.12        | 12.72      | 3.26       | 0.32        | 1.32      | 0.03         | 90.7% |                                          |
| 20           |              | 0                 | 0.15                                                                   | 14.04      | 3.25       | 0.21        | 5.96      | 0.15         | 0.1         | 11.26      | 2.7        | 0.18        | 4         | 0.14         | 80.2% |                                          |
| 256          |              | 0                 | 0.01                                                                   | 2.05       | 0.15       | 0.12        | 0.21      | 0.03         | 0.01        | 1.49       | 0.12       | 0.1         | 0.13      | 0.03         | 72.7% |                                          |
| 257          |              | 0                 | 0.02                                                                   | 2.03       | 0.18       | 0.07        | 0.3       | 0.04         | 0.02        | 1.53       | 0.15       | 0.07        | 0.21      | 0.03         | 75.4% |                                          |
| 258          |              | 0                 | 0.06                                                                   | 2.86       | 0.16       | 0.1         | 0.47      | 0.04         | 0.04        | 2.17       | 0.16       | 0.09        | 0.29      | 0.04         | 75.9% |                                          |
| 259          |              | 0                 | 0.03                                                                   | 2.07       | 0.2        | 0.07        | 0.66      | 0.02         | 0.02        | 1.56       | 0.13       | 0.06        | 0.48      | 0.02         | 75.4% |                                          |
| 260          |              | 0                 | 0.01                                                                   | 1.91       | 0.3        | 0.04        | 0.38      | 0.03         | 0.01        | 1.46       | 0.24       | 0.03        | 0.28      | 0.02         | 76.4% |                                          |
| 261          |              | 0                 | 0.15                                                                   | 5.03       | 0.46       | 0.17        | 1.48      | 0.08         | 0.1         | 3.67       | 0.42       | 0.14        | 1.01      | 0.07         | 73.0% |                                          |
| 262          |              | 0                 | 0.06                                                                   | 4.49       | 0.4        | 0.29        | 0.69      | 0.01         | 0.04        | 3.57       | 0.31       | 0.26        | 0.43      | 0.01         | 79.5% |                                          |
| 263          |              | 0                 | 0.03                                                                   | 4.14       | 0.41       | 0.23        | 0.34      | 0.09         | 0.02        | 3.17       | 0.31       | 0.21        | 0.3       | 0.09         | 76.6% |                                          |
| 264          |              | 0                 | 0.03                                                                   | 3.61       | 0.46       | 0.09        | 0.49      | 0.11         | 0.03        | 2.35       | 0.33       | 0.08        | 0.41      | 0.11         | 65.1% |                                          |
| 265          |              | 0                 | 0.06                                                                   | 4.18       | 0.42       | 0.22        | 0.78      | 0.02         | 0.04        | 3.1        | 0.35       | 0.19        | 0.51      | 0.02         | 74.2% |                                          |
| 266          |              | 0                 | 0.05                                                                   | 4.47       | 0.52       | 0.17        | 0.93      | 0.01         | 0.04        | 3.58       | 0.41       | 0.15        | 0.64      | 0.01         | 80.1% |                                          |
| 267          |              | 0                 | 0.05                                                                   | 3.42       | 0.49       | 0.07        | 1.14      | 0.08         | 0.04        | 2.46       | 0.38       | 0.07        | 0.81      | 0.07         | 71.9% |                                          |
| 268          |              | 0                 | 0.15                                                                   | 9.62       | 1.17       | 0.37        | 2.73      | 0.11         | 0.1         | 7.12       | 1.18       | 0.34        | 2.07      | 0.1          | 74.0% |                                          |
| 269          |              | 0                 | 0.27                                                                   | 10.32      | 1.69       | 0.51        | 2.62      | 0.02         | 0.18        | 8.61       | 1.53       | 0.44        | 1.55      | 0.02         | 83.4% |                                          |
| 270          |              | 0                 | 0.16                                                                   | 12.62      | 1.18       | 1.07        | 1.83      | 0.05         | 0.11        | 10.36      | 0.83       | 0.98        | 1.2       | 0.04         | 82.1% |                                          |
| 271          |              | 0                 | 0.08                                                                   | 8.83       | 1.08       | 0.59        | 0.94      | 0.11         | 0.06        | 7.28       | 0.87       | 0.56        | 0.65      | 0.11         | 82.4% |                                          |
| 272          |              | 0                 | 0.15                                                                   | 7.97       | 1.54       | 0.18        | 4.12      | 0.65         | 0.11        | 6.54       | 1.24       | 0.15        | 3.1       | 0.61         | 82.1% |                                          |
| 273          |              | 0                 | 0.2                                                                    | 10.29      | 2          | 0.51        | 2.88      | 0.07         | 0.15        | 8.52       | 1.73       | 0.44        | 2.08      | 0.06         | 82.8% |                                          |
| 274          |              | 0                 | 0.32                                                                   | 11.34      | 1.21       | 0.86        | 2.95      | 0.06         | 0.22        | 9.38       | 0.87       | 0.73        | 1.79      | 0.06         | 82.7% |                                          |
| 275          |              | 0                 | 0.08                                                                   | 10.28      | 1.1        | 0.9         | 0.89      | 0.1          | 0.05        | 8.37       | 0.93       | 0.83        | 0.61      | 0.09         | 81.4% |                                          |
| 276          |              | 0                 | 0.13                                                                   | 8.45       | 1.32       | 0.32        | 3.03      | 0.25         | 0.09        | 7.08       | 1.3        | 0.27        | 2.14      | 0.24         | 83.8% |                                          |
| 0            | 256          | 0                 | 0.04                                                                   | 4.79       | 0.57       | 0.24        | 0.83      | 0.08         | 0.03        | 3.38       | 0.47       | 0.21        | 0.64      | 0.07         | 70.6% |                                          |
| 1            | 257          | 0                 | 0.07                                                                   | 4.97       | 0.71       | 0.16        | 1.22      | 0.11         | 0.04        | 3.78       | 0.55       | 0.14        | 0.83      | 0.11         | 76.1% |                                          |
| 2            | 258          | 0                 | 0.32                                                                   | 6.67       | 0.83       | 0.26        | 2.44      | 0.09         | 0.23        | 5.26       | 0.71       | 0.22        | 1.53      | 0.08         | 78.9% |                                          |
| 3            | 259          | 0                 | 0.16                                                                   | 5.69       | 0.76       | 0.18        | 2.73      | 0.06         | 0.11        | 4.14       | 0.46       | 0.15        | 1.95      | 0.06         | 72.8% |                                          |
| 4            | 260          | 0                 | 0.05                                                                   | 4.61       | 0.73       | 0.11        | 1.48      | 0.05         | 0.03        | 3.62       | 0.58       | 0.1         | 1.05      | 0.05         | 78.5% |                                          |
| 5            | 261          | 0                 | 0.44                                                                   | 12.51      | 2.01       | 0.32        | 6.08      | 0.22         | 0.32        | 8.54       | 1.35       | 0.26        | 4.48      | 0.21         | 68.3% |                                          |
| 6            | 262          | 0                 | 0.14                                                                   | 9.67       | 1.93       | 0.58        | 2.27      | 0.05         | 0.1         | 7.99       | 1.58       | 0.53        | 1.59      | 0.05         | 82.6% |                                          |
| 7            | 263          | 0                 | 0.11                                                                   | 10.17      | 1.65       | 0.4         | 1.12      | 0.21         | 0.07        | 7.73       | 1.38       | 0.37        | 0.89      | 0.2          | 76.0% |                                          |
| 8            | 264          | 0                 | 0.09                                                                   | 10.24      | 1.98       | 0.31        | 1.99      | 0.34         | 0.08        | 7.21       | 1.57       | 0.27        | 1.66      | 0.32         | 70.4% |                                          |
| 9            | 265          | 0                 | 0.47                                                                   | 10.44      | 1.72       | 0.36        | 4.76      | 0.07         | 0.35        | 8.23       | 1.46       | 0.32        | 3.3       | 0.07         | 78.8% |                                          |
| 10           | 266          | 0                 | 0.14                                                                   | 9.25       | 1.64       | 0.36        | 1.91      | 0.03         | 0.1         | 7.73       | 1.38       | 0.32        | 1.41      | 0.02         | 83.6% |                                          |
| 11           | 267          | 0                 | 0.15                                                                   | 12.14      | 1.7        | 0.32        | 3.81      | 0.18         | 0.11        | 9.76       | 1.34       | 0.27        | 2.56      | 0.16         | 80.4% |                                          |
| 12           | 268          | 0                 | 0.56                                                                   | 27.27      | 5.05       | 0.73        | 15.62     | 0.44         | 0.38        | 19.77      | 4.72       | 0.68        | 12.94     | 0.42         | 72.5% |                                          |
| 13           | 269          | 0                 | 1.21                                                                   | 26.18      | 6.84       | 1.19        | 9.61      | 0.11         | 0.83        | 23.25      | 5.19       | 1.03        | 5.74      | 0.11         | 88.8% |                                          |
| 14           | 270          | 0                 | 1.21                                                                   | 26.71      | 4.95       | 2.11        | 12.59     | 0.09         | 0.85        | 22.04      | 3.87       | 1.92        | 8.29      | 0.08         | 82.5% |                                          |
| 15           | 271          | 0                 | 0.18                                                                   | 25.59      | 6.39       | 1.63        | 4.61      | 0.18         | 0.12        | 22.69      | 5.11       | 1.52        | 2.64      | 0.17         | 88.7% |                                          |
| 16           | 272          | 0                 | 0.28                                                                   | 28.65      | 6.93       | 0.46        | 13.31     | 1.67         | 0.22        | 23.05      | 5.51       | 0.38        | 10.02     | 1.58         | 80.5% |                                          |
| 17           | 273          | 0                 | 0.85                                                                   | 24.1       | 6.86       | 1.05        | 15.1      | 0.11         | 0.62        | 19.58      | 5.79       | 0.99        | 11.77     | 0.11         | 81.2% |                                          |
| 18           | 274          | 0                 | 1.77                                                                   | 25.62      | 5.15       | 1.61        | 15.52     | 0.14         | 1.24        | 21.58      | 3.78       | 1.4         | 9.92      | 0.13         | 84.2% |                                          |
| 19           | 275          | 0                 | 0.26                                                                   | 24.98      | 5.65       | 1.81        | 2.98      | 0.21         | 0.19        | 22.07      | 4.66       | 1.63        | 1.89      | 0.19         | 88.4% |                                          |
| 20           | 276          | 0                 | 0.27                                                                   | 26.96      | 5.81       | 0.88        | 11.64     | 0.69         | 0.2         | 21.73      | 5.02       | 0.72        | 8         | 0.66         | 80.6% |                                          |

Table 6-2 PD of Back mmW module (n260) Middle channel

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Closed n260 Back module_4cm2 Average Total PD (W/m^2)_High channel |            |            |             |           |              |             |            |            |             |           |              |                                          |  |
|--------------|--------------|-------------------|-------------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|------------------------------------------|--|
|              |              |                   | Surface 2mm                                                             |            |            |             |           |              | Surface 5mm |            |            |             |           |              | 91.2%                                    |  |
|              |              |                   | S1<br>front                                                             | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | Ratio worst<br>surface back<br>(5mm/2mm) |  |
| 0            |              | 0                 | 0.01                                                                    | 2          | 0.27       | 0.06        | 0.26      | 0.01         | 0           | 1.44       | 0.2        | 0.05        | 0.22      | 0.01         | 72.0%                                    |  |
| 1            |              | 0                 | 0.03                                                                    | 2.87       | 0.41       | 0.04        | 0.43      | 0.02         | 0.02        | 2.16       | 0.39       | 0.03        | 0.31      | 0.02         | 75.3%                                    |  |
| 2            |              | 0                 | 0.12                                                                    | 3.12       | 0.32       | 0.05        | 1.07      | 0.01         | 0.09        | 2.44       | 0.28       | 0.04        | 0.63      | 0.01         | 78.2%                                    |  |
| 3            |              | 0                 | 0.09                                                                    | 2.67       | 0.28       | 0.05        | 1.15      | 0.01         | 0.07        | 2.02       | 0.2        | 0.05        | 0.8       | 0.01         | 75.7%                                    |  |
| 4            |              | 0                 | 0.03                                                                    | 2.36       | 0.25       | 0.04        | 0.61      | 0.01         | 0.02        | 1.95       | 0.19       | 0.03        | 0.38      | 0.01         | 82.6%                                    |  |
| 5            |              | 0                 | 0.07                                                                    | 6.38       | 0.78       | 0.13        | 2.05      | 0.03         | 0.05        | 4.34       | 0.52       | 0.12        | 1.57      | 0.03         | 68.0%                                    |  |
| 6            |              | 0                 | 0.03                                                                    | 4.04       | 0.65       | 0.11        | 0.83      | 0.03         | 0.02        | 3.08       | 0.55       | 0.1         | 0.66      | 0.03         | 76.2%                                    |  |
| 7            |              | 0                 | 0.03                                                                    | 4.59       | 0.92       | 0.11        | 0.44      | 0.03         | 0.02        | 3.84       | 0.88       | 0.09        | 0.33      | 0.03         | 83.7%                                    |  |
| 8            |              | 0                 | 0.04                                                                    | 5.65       | 0.77       | 0.13        | 0.85      | 0.03         | 0.03        | 3.83       | 0.58       | 0.11        | 0.77      | 0.03         | 67.8%                                    |  |
| 9            |              | 0                 | 0.21                                                                    | 5.87       | 0.72       | 0.13        | 2.35      | 0.02         | 0.16        | 4.05       | 0.54       | 0.12        | 1.52      | 0.02         | 69.0%                                    |  |
| 10           |              | 0                 | 0.03                                                                    | 3.93       | 0.74       | 0.09        | 0.59      | 0.03         | 0.02        | 3.41       | 0.72       | 0.08        | 0.44      | 0.02         | 86.8%                                    |  |
| 11           |              | 0                 | 0.1                                                                     | 6          | 0.81       | 0.12        | 1.67      | 0.02         | 0.07        | 5.1        | 0.63       | 0.1         | 1.18      | 0.02         | 85.0%                                    |  |
| 12           |              | 0                 | 0.1                                                                     | 11.21      | 2.47       | 0.22        | 5.25      | 0.14         | 0.07        | 8.42       | 2.19       | 0.2         | 4.05      | 0.13         | 75.1%                                    |  |
| 13           |              | 0                 | 0.49                                                                    | 13.36      | 3.18       | 0.33        | 3.64      | 0.06         | 0.36        | 11.96      | 2.73       | 0.29        | 1.93      | 0.06         | 89.5%                                    |  |
| 14           |              | 0                 | 0.58                                                                    | 8.45       | 2.17       | 0.31        | 6.05      | 0.03         | 0.4         | 7.59       | 2.03       | 0.3         | 4.2       | 0.03         | 89.8%                                    |  |
| 15           |              | 0                 | 0.07                                                                    | 14.45      | 3.4        | 0.41        | 1.37      | 0.06         | 0.05        | 13.18      | 3.23       | 0.37        | 0.98      | 0.05         | 91.2%                                    |  |
| 16           |              | 0                 | 0.11                                                                    | 13.85      | 2.82       | 0.2         | 7.22      | 0.12         | 0.08        | 11.33      | 2.05       | 0.19        | 5.53      | 0.12         | 81.8%                                    |  |
| 17           |              | 0                 | 0.3                                                                     | 8.78       | 2.21       | 0.23        | 5.29      | 0.04         | 0.22        | 6.87       | 1.68       | 0.21        | 3.95      | 0.04         | 78.2%                                    |  |
| 18           |              | 0                 | 0.66                                                                    | 11.18      | 2.72       | 0.26        | 5.2       | 0.04         | 0.47        | 10.04      | 2.48       | 0.22        | 3.19      | 0.04         | 89.8%                                    |  |
| 19           |              | 0                 | 0.26                                                                    | 11.16      | 2.84       | 0.38        | 3.18      | 0.04         | 0.18        | 10.02      | 2.95       | 0.35        | 2.37      | 0.04         | 89.8%                                    |  |
| 20           |              | 0                 | 0.16                                                                    | 13.66      | 2.7        | 0.3         | 6.3       | 0.08         | 0.12        | 11.47      | 2.03       | 0.25        | 4.72      | 0.07         | 84.0%                                    |  |
| 256          |              | 0                 | 0.01                                                                    | 1.97       | 0.14       | 0.11        | 0.13      | 0.03         | 0.01        | 1.39       | 0.14       | 0.1         | 0.09      | 0.03         | 70.6%                                    |  |
| 257          |              | 0                 | 0.01                                                                    | 2.11       | 0.16       | 0.08        | 0.26      | 0.05         | 0.01        | 1.57       | 0.12       | 0.07        | 0.19      | 0.05         | 74.4%                                    |  |
| 258          |              | 0                 | 0.05                                                                    | 2.73       | 0.27       | 0.12        | 0.5       | 0.03         | 0.04        | 2.11       | 0.2        | 0.11        | 0.33      | 0.03         | 77.3%                                    |  |
| 259          |              | 0                 | 0.03                                                                    | 2.28       | 0.22       | 0.1         | 0.6       | 0.01         | 0.02        | 1.72       | 0.16       | 0.09        | 0.42      | 0.01         | 75.4%                                    |  |
| 260          |              | 0                 | 0.03                                                                    | 2.11       | 0.36       | 0.03        | 0.57      | 0.02         | 0.02        | 1.62       | 0.29       | 0.02        | 0.4       | 0.02         | 76.8%                                    |  |
| 261          |              | 0                 | 0.06                                                                    | 4.84       | 0.49       | 0.22        | 1.32      | 0.05         | 0.04        | 3.38       | 0.36       | 0.19        | 0.95      | 0.04         | 69.8%                                    |  |
| 262          |              | 0                 | 0.02                                                                    | 4.31       | 0.44       | 0.23        | 0.51      | 0.02         | 0.02        | 3.4        | 0.33       | 0.2         | 0.33      | 0.02         | 78.9%                                    |  |
| 263          |              | 0                 | 0.02                                                                    | 4.29       | 0.32       | 0.22        | 0.35      | 0.12         | 0.02        | 3.2        | 0.29       | 0.2         | 0.21      | 0.11         | 74.6%                                    |  |
| 264          |              | 0                 | 0.03                                                                    | 3.88       | 0.32       | 0.12        | 0.42      | 0.14         | 0.03        | 2.44       | 0.36       | 0.1         | 0.35      | 0.14         | 62.9%                                    |  |
| 265          |              | 0                 | 0.02                                                                    | 3.92       | 0.34       | 0.23        | 0.49      | 0.03         | 0.02        | 3.01       | 0.26       | 0.19        | 0.36      | 0.02         | 76.8%                                    |  |
| 266          |              | 0                 | 0.06                                                                    | 5.06       | 0.57       | 0.15        | 1.43      | 0.01         | 0.04        | 3.97       | 0.46       | 0.14        | 0.92      | 0.01         | 78.5%                                    |  |
| 267          |              | 0                 | 0.06                                                                    | 3.54       | 0.65       | 0.11        | 1.12      | 0.05         | 0.05        | 2.57       | 0.51       | 0.1         | 0.76      | 0.04         | 72.6%                                    |  |
| 268          |              | 0                 | 0.11                                                                    | 8.09       | 1.12       | 0.27        | 3.1       | 0.07         | 0.08        | 6.51       | 0.89       | 0.25        | 2.45      | 0.06         | 80.5%                                    |  |
| 269          |              | 0                 | 0.12                                                                    | 9.64       | 0.95       | 0.69        | 2.85      | 0.03         | 0.09        | 7.98       | 0.85       | 0.62        | 1.88      | 0.02         | 82.8%                                    |  |
| 270          |              | 0                 | 0.18                                                                    | 11.95      | 0.83       | 0.98        | 2.32      | 0.04         | 0.13        | 9.8        | 0.67       | 0.89        | 1.51      | 0.04         | 82.0%                                    |  |
| 271          |              | 0                 | 0.07                                                                    | 10.3       | 1.27       | 0.79        | 1.04      | 0.11         | 0.04        | 8.59       | 1.06       | 0.75        | 0.9       | 0.11         | 83.4%                                    |  |
| 272          |              | 0                 | 0.08                                                                    | 7.77       | 1.09       | 0.2         | 3.28      | 0.57         | 0.06        | 4.88       | 0.96       | 0.16        | 2.41      | 0.54         | 62.8%                                    |  |
| 273          |              | 0                 | 0.14                                                                    | 8.78       | 1.25       | 0.44        | 3.7       | 0.07         | 0.1         | 7.42       | 1.21       | 0.42        | 3.01      | 0.06         | 84.5%                                    |  |
| 274          |              | 0                 | 0.19                                                                    | 11.26      | 1.2        | 0.91        | 2         | 0.06         | 0.14        | 9.33       | 0.87       | 0.79        | 1.19      | 0.05         | 82.9%                                    |  |
| 275          |              | 0                 | 0.11                                                                    | 12.51      | 1.29       | 0.94        | 1.48      | 0.11         | 0.07        | 10.51      | 1.08       | 0.87        | 0.92      | 0.11         | 84.0%                                    |  |
| 276          |              | 0                 | 0.13                                                                    | 7.28       | 0.96       | 0.47        | 2.46      | 0.3          | 0.1         | 6.21       | 0.88       | 0.44        | 1.64      | 0.28         | 85.3%                                    |  |
| 0            | 256          | 0                 | 0.02                                                                    | 4.44       | 0.6        | 0.25        | 0.6       | 0.04         | 0.02        | 3.11       | 0.49       | 0.22        | 0.49      | 0.04         | 70.0%                                    |  |
| 1            | 257          | 0                 | 0.06                                                                    | 5.3        | 0.63       | 0.18        | 1.13      | 0.13         | 0.04        | 4.14       | 0.59       | 0.17        | 0.8       | 0.12         | 78.1%                                    |  |
| 2            | 258          | 0                 | 0.32                                                                    | 6.4        | 0.76       | 0.28        | 2.72      | 0.05         | 0.23        | 5.16       | 0.58       | 0.26        | 1.64      | 0.05         | 80.6%                                    |  |
| 3            | 259          | 0                 | 0.19                                                                    | 5.68       | 0.67       | 0.2         | 2.95      | 0.03         | 0.14        | 4.23       | 0.45       | 0.18        | 1.98      | 0.03         | 74.5%                                    |  |
| 4            | 260          | 0                 | 0.1                                                                     | 4.97       | 0.76       | 0.07        | 1.72      | 0.04         | 0.06        | 4.06       | 0.57       | 0.06        | 1.04      | 0.04         | 81.7%                                    |  |
| 5            | 261          | 0                 | 0.24                                                                    | 12.65      | 1.88       | 0.55        | 5.7       | 0.1          | 0.17        | 8.56       | 1.23       | 0.49        | 4.29      | 0.1          | 67.7%                                    |  |
| 6            | 262          | 0                 | 0.07                                                                    | 9          | 1.43       | 0.52        | 2.06      | 0.08         | 0.05        | 7.12       | 1.2        | 0.48        | 1.55      | 0.08         | 79.1%                                    |  |
| 7            | 263          | 0                 | 0.09                                                                    | 9.65       | 1.35       | 0.44        | 1.18      | 0.23         | 0.06        | 7.83       | 1.21       | 0.4         | 0.81      | 0.22         | 81.1%                                    |  |
| 8            | 264          | 0                 | 0.1                                                                     | 10.52      | 1.46       | 0.36        | 1.78      | 0.27         | 0.08        | 8.09       | 1.28       | 0.32        | 1.53      | 0.26         | 76.9%                                    |  |
| 9            | 265          | 0                 | 0.26                                                                    | 9.22       | 1.59       | 0.57        | 3.49      | 0.05         | 0.19        | 7.4        | 1.19       | 0.49        | 2.61      | 0.05         | 80.3%                                    |  |
| 10           | 266          | 0                 | 0.13                                                                    | 8.43       | 1.22       | 0.28        | 2.68      | 0.05         | 0.08        | 7.15       | 1.13       | 0.25        | 1.9       | 0.05         | 84.8%                                    |  |
| 11           | 267          | 0                 | 0.23                                                                    | 11.81      | 1.57       | 0.36        | 3.89      | 0.11         | 0.15        | 9.59       | 1.4        | 0.32        | 2.84      | 0.11         | 81.2%                                    |  |
| 12           | 268          | 0                 | 0.36                                                                    | 26.44      | 5.09       | 0.63        | 13.12     | 0.33         | 0.24        | 19.84      | 3.08       | 0.56        | 10.03     | 0.32         | 75.0%                                    |  |
| 13           | 269          | 0                 | 0.98                                                                    | 26.53      | 5.92       | 1.67        | 10.42     | 0.13         | 0.7         | 24.06      | 4.99       | 1.49        | 5.57      | 0.13         | 90.7%                                    |  |
| 14           | 270          | 0                 | 1.39                                                                    | 26.93      | 3.88       | 2.09        | 14.75     | 0.11         | 0.99        | 22.41      | 3.64       | 1.98        | 9.98      | 0.1          | 83.2%                                    |  |
| 15           | 271          | 0                 | 0.24                                                                    | 26.11      | 5.26       | 1.92        | 3.55      | 0.22         | 0.16        | 22.81      | 5.11       | 1.8         | 2.38      | 0.21         | 87.4%                                    |  |
| 16           | 272          | 0                 | 0.32                                                                    | 27.2       | 5.61       | 0.58        | 15.92     | 1.12         | 0.21        | 23.16      | 3.94       | 0.49        | 11.87     | 1.05         | 85.1%                                    |  |
| 17           | 273          | 0                 | 0.79                                                                    | 23.22      | 4.5        | 0.99        | 15.25     | 0.14         | 0.58        | 20.09      | 3.36       | 0.98        | 12.16     | 0.13         | 86.5%                                    |  |
| 18           | 274          | 0                 | 1.53                                                                    | 27.76      | 4.51       | 1.85        | 12.58     | 0.16         | 1.1         | 23.46      | 3.91       | 1.63        | 7.54      | 0.15         | 84.5%                                    |  |
| 19           | 275          | 0                 | 0.53                                                                    | 25.08      | 3.8        | 2.02        | 7.01      | 0.21         | 0.37        | 21.15      | 3.73       | 1.92        | 4.82      | 0.2          | 84.3%                                    |  |
| 20           | 276          | 0                 | 0.43                                                                    | 24.69      | 5.22       | 1.29        | 11.78     | 0.63         | 0.29        | 21.73      | 4.35       | 1.17        | 8.85      | 0.59         | 88.0%                                    |  |

Table 6-3 PD of Back mmW module (n260) High channel

|              |              |                   | Flip Closed n261 Back module_4cm2 Average Total PD (W/m^2)_low channel |            |            |             |           |              |             |            |            |             |           |              |                                       |  |  |
|--------------|--------------|-------------------|------------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|---------------------------------------|--|--|
| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Surface 2mm                                                            |            |            |             |           |              | Surface 5mm |            |            |             |           |              | 88.6%                                 |  |  |
|              |              |                   | S1<br>front                                                            | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | Ratio worst surface<br>back (5mm/2mm) |  |  |
| 0            |              | 0                 | 0.02                                                                   | 1.73       | 0.27       | 0.09        | 0.2       | 0.02         | 0.01        | 1.23       | 0.2        | 0.08        | 0.15      | 0.02         | 71.1%                                 |  |  |
| 1            |              | 0                 | 0.02                                                                   | 2.42       | 0.19       | 0.09        | 0.3       | 0.02         | 0.01        | 1.73       | 0.16       | 0.08        | 0.22      | 0.01         | 71.5%                                 |  |  |
| 2            |              | 0                 | 0.03                                                                   | 2.72       | 0.33       | 0.13        | 0.49      | 0.01         | 0.02        | 1.93       | 0.33       | 0.12        | 0.32      | 0.01         | 71.0%                                 |  |  |
| 3            |              | 0                 | 0.03                                                                   | 2.63       | 0.2        | 0.11        | 0.83      | 0.01         | 0.02        | 1.83       | 0.17       | 0.09        | 0.49      | 0.01         | 69.6%                                 |  |  |
| 4            |              | 0                 | 0.04                                                                   | 2.19       | 0.2        | 0.13        | 0.9       | 0.01         | 0.03        | 1.49       | 0.19       | 0.12        | 0.49      | 0.01         | 68.0%                                 |  |  |
| 5            |              | 0                 | 0.06                                                                   | 3.78       | 0.29       | 0.14        | 2.53      | 0.03         | 0.04        | 2.68       | 0.24       | 0.12        | 1.58      | 0.02         | 70.9%                                 |  |  |
| 6            |              | 0                 | 0.05                                                                   | 6.54       | 0.58       | 0.38        | 1.23      | 0.02         | 0.04        | 4.91       | 0.55       | 0.36        | 1.08      | 0.01         | 75.1%                                 |  |  |
| 7            |              | 0                 | 0.04                                                                   | 4.94       | 0.63       | 0.29        | 0.35      | 0.01         | 0.03        | 3.91       | 0.52       | 0.27        | 0.22      | 0.01         | 79.1%                                 |  |  |
| 8            |              | 0                 | 0.11                                                                   | 3.63       | 0.49       | 0.11        | 2.18      | 0.04         | 0.06        | 2.54       | 0.47       | 0.1         | 1.2       | 0.04         | 70.0%                                 |  |  |
| 9            |              | 0                 | 0.05                                                                   | 3.53       | 0.41       | 0.16        | 0.62      | 0.05         | 0.04        | 2.5        | 0.32       | 0.14        | 0.55      | 0.05         | 70.8%                                 |  |  |
| 10           |              | 0                 | 0.04                                                                   | 7.27       | 0.73       | 0.33        | 0.4       | 0.01         | 0.03        | 5.57       | 0.72       | 0.3         | 0.36      | 0.01         | 76.6%                                 |  |  |
| 11           |              | 0                 | 0.07                                                                   | 4.22       | 0.38       | 0.27        | 1.07      | 0.04         | 0.05        | 3.11       | 0.32       | 0.24        | 0.64      | 0.04         | 73.7%                                 |  |  |
| 12           |              | 0                 | 0.08                                                                   | 9.4        | 0.67       | 0.3         | 5.32      | 0.07         | 0.07        | 7.58       | 0.6        | 0.28        | 4.42      | 0.06         | 80.6%                                 |  |  |
| 13           |              | 0                 | 0.11                                                                   | 12.97      | 1.22       | 0.63        | 4.43      | 0.06         | 0.1         | 10.19      | 1.07       | 0.54        | 4.06      | 0.06         | 78.6%                                 |  |  |
| 14           |              | 0                 | 0.13                                                                   | 15.63      | 2.74       | 1.61        | 1.07      | 0.04         | 0.1         | 11.87      | 2.72       | 1.47        | 0.73      | 0.03         | 75.9%                                 |  |  |
| 15           |              | 0                 | 0.09                                                                   | 14.48      | 1.28       | 1.1         | 0.79      | 0.02         | 0.07        | 11.25      | 1.11       | 1.04        | 0.46      | 0.02         | 77.7%                                 |  |  |
| 16           |              | 0                 | 0.31                                                                   | 6.53       | 0.64       | 0.36        | 6.13      | 0.09         | 0.19        | 5.22       | 0.65       | 0.32        | 3.41      | 0.09         | 79.9%                                 |  |  |
| 17           |              | 0                 | 0.1                                                                    | 11.43      | 1.08       | 0.34        | 4.96      | 0.07         | 0.09        | 8.94       | 0.96       | 0.29        | 4.3       | 0.07         | 78.2%                                 |  |  |
| 18           |              | 0                 | 0.14                                                                   | 14.82      | 2.06       | 1.37        | 2.7       | 0.04         | 0.12        | 11.45      | 1.97       | 1.21        | 2.53      | 0.04         | 77.3%                                 |  |  |
| 19           |              | 0                 | 0.1                                                                    | 15.34      | 2.01       | 1.53        | 0.72      | 0.03         | 0.09        | 11.45      | 2.02       | 1.4         | 0.42      | 0.03         | 74.6%                                 |  |  |
| 20           |              | 0                 | 0.16                                                                   | 11.98      | 1.28       | 0.51        | 2.92      | 0.06         | 0.1         | 9.69       | 1.07       | 0.48        | 1.43      | 0.05         | 80.9%                                 |  |  |
| 256          |              | 0                 | 0.03                                                                   | 2.87       | 0.2        | 0.05        | 0.33      | 0.03         | 0.02        | 2.06       | 0.17       | 0.05        | 0.28      | 0.03         | 71.8%                                 |  |  |
| 257          |              | 0                 | 0.02                                                                   | 2.78       | 0.25       | 0.05        | 0.26      | 0.02         | 0.02        | 1.99       | 0.22       | 0.04        | 0.21      | 0.02         | 71.6%                                 |  |  |
| 258          |              | 0                 | 0.02                                                                   | 2.56       | 0.27       | 0.03        | 0.26      | 0.02         | 0.02        | 1.93       | 0.25       | 0.02        | 0.18      | 0.02         | 75.4%                                 |  |  |
| 259          |              | 0                 | 0.04                                                                   | 2.8        | 0.29       | 0.03        | 0.64      | 0.03         | 0.03        | 2.14       | 0.24       | 0.03        | 0.49      | 0.02         | 76.4%                                 |  |  |
| 260          |              | 0                 | 0.03                                                                   | 2.33       | 0.31       | 0.05        | 0.63      | 0.04         | 0.02        | 1.79       | 0.25       | 0.04        | 0.48      | 0.04         | 76.8%                                 |  |  |
| 261          |              | 0                 | 0.07                                                                   | 4.99       | 0.62       | 0.05        | 1.32      | 0.05         | 0.05        | 4.13       | 0.62       | 0.05        | 1.03      | 0.04         | 82.8%                                 |  |  |
| 262          |              | 0                 | 0.04                                                                   | 5.75       | 0.65       | 0.06        | 0.62      | 0.03         | 0.02        | 4.84       | 0.6        | 0.05        | 0.47      | 0.02         | 84.2%                                 |  |  |
| 263          |              | 0                 | 0.03                                                                   | 6.99       | 0.57       | 0.11        | 0.18      | 0.03         | 0.02        | 5.6        | 0.54       | 0.1         | 0.14      | 0.03         | 80.1%                                 |  |  |
| 264          |              | 0                 | 0.07                                                                   | 5.98       | 0.64       | 0.14        | 0.64      | 0.07         | 0.05        | 4.43       | 0.53       | 0.13        | 0.54      | 0.07         | 74.1%                                 |  |  |
| 265          |              | 0                 | 0.09                                                                   | 4.72       | 0.57       | 0.12        | 0.97      | 0.1          | 0.06        | 3.57       | 0.46       | 0.1         | 0.81      | 0.09         | 75.6%                                 |  |  |
| 266          |              | 0                 | 0.02                                                                   | 6.52       | 0.55       | 0.09        | 0.29      | 0.02         | 0.01        | 5.35       | 0.49       | 0.08        | 0.26      | 0.02         | 82.1%                                 |  |  |
| 267          |              | 0                 | 0.11                                                                   | 5.35       | 0.78       | 0.08        | 1.02      | 0.1          | 0.09        | 4.21       | 0.59       | 0.08        | 0.63      | 0.1          | 78.7%                                 |  |  |
| 268          |              | 0                 | 0.15                                                                   | 10.61      | 1.41       | 0.2         | 5.43      | 0.32         | 0.11        | 8.31       | 1.08       | 0.16        | 4.19      | 0.3          | 78.3%                                 |  |  |
| 269          |              | 0                 | 0.15                                                                   | 15.17      | 2.34       | 0.2         | 6.06      | 0.06         | 0.1         | 12.62      | 2.2        | 0.16        | 5.05      | 0.05         | 83.2%                                 |  |  |
| 270          |              | 0                 | 0.06                                                                   | 15.33      | 2.59       | 0.33        | 0.65      | 0.02         | 0.04        | 13.05      | 2.66       | 0.3         | 0.52      | 0.02         | 85.1%                                 |  |  |
| 271          |              | 0                 | 0.15                                                                   | 15.01      | 2.93       | 0.31        | 0.45      | 0.09         | 0.1         | 13.19      | 2.9        | 0.3         | 0.36      | 0.08         | 87.9%                                 |  |  |
| 272          |              | 0                 | 0.48                                                                   | 15.15      | 2.8        | 0.42        | 3.32      | 0.43         | 0.32        | 10.58      | 2.01       | 0.35        | 1.79      | 0.42         | 69.8%                                 |  |  |
| 273          |              | 0                 | 0.16                                                                   | 13.69      | 2.12       | 0.19        | 5.95      | 0.11         | 0.11        | 11.18      | 1.91       | 0.14        | 4.85      | 0.1          | 81.7%                                 |  |  |
| 274          |              | 0                 | 0.05                                                                   | 14.98      | 2.09       | 0.32        | 3.02      | 0.06         | 0.03        | 13.27      | 2.27       | 0.29        | 2.46      | 0.06         | 88.6%                                 |  |  |
| 275          |              | 0                 | 0.11                                                                   | 14.43      | 2.95       | 0.32        | 0.6       | 0.08         | 0.07        | 12.64      | 3          | 0.3         | 0.46      | 0.08         | 87.6%                                 |  |  |
| 276          |              | 0                 | 0.2                                                                    | 15.46      | 2.86       | 0.28        | 0.7       | 0.1          | 0.14        | 12.61      | 2.3        | 0.25        | 0.43      | 0.09         | 81.6%                                 |  |  |
| 0            | 256          | 0                 | 0.06                                                                   | 5.43       | 0.56       | 0.19        | 0.78      | 0.07         | 0.05        | 3.95       | 0.42       | 0.17        | 0.66      | 0.06         | 72.7%                                 |  |  |
| 1            | 257          | 0                 | 0.06                                                                   | 5.44       | 0.56       | 0.17        | 0.66      | 0.05         | 0.04        | 3.85       | 0.44       | 0.16        | 0.5       | 0.04         | 70.8%                                 |  |  |
| 2            | 258          | 0                 | 0.09                                                                   | 5.65       | 0.68       | 0.21        | 0.93      | 0.07         | 0.06        | 4.08       | 0.69       | 0.19        | 0.68      | 0.06         | 72.2%                                 |  |  |
| 3            | 259          | 0                 | 0.1                                                                    | 5.73       | 0.52       | 0.18        | 1.91      | 0.06         | 0.07        | 4.14       | 0.46       | 0.16        | 1.25      | 0.06         | 72.3%                                 |  |  |
| 4            | 260          | 0                 | 0.09                                                                   | 4.77       | 0.52       | 0.29        | 1.95      | 0.06         | 0.06        | 3.45       | 0.48       | 0.27        | 1.13      | 0.06         | 72.3%                                 |  |  |
| 5            | 261          | 0                 | 0.15                                                                   | 10.63      | 1.04       | 0.21        | 4.79      | 0.12         | 0.1         | 8.05       | 0.94       | 0.19        | 3.4       | 0.11         | 75.7%                                 |  |  |
| 6            | 262          | 0                 | 0.11                                                                   | 13.21      | 1.23       | 0.54        | 2.53      | 0.05         | 0.08        | 10.2       | 1.2        | 0.51        | 2.15      | 0.04         | 77.2%                                 |  |  |
| 7            | 263          | 0                 | 0.11                                                                   | 12.09      | 1.54       | 0.57        | 0.75      | 0.07         | 0.08        | 9.66       | 1.28       | 0.5         | 0.39      | 0.06         | 79.9%                                 |  |  |
| 8            | 264          | 0                 | 0.3                                                                    | 8.96       | 1.23       | 0.26        | 3.06      | 0.14         | 0.19        | 6.65       | 1.19       | 0.24        | 1.95      | 0.13         | 74.2%                                 |  |  |
| 9            | 265          | 0                 | 0.13                                                                   | 10.64      | 1.3        | 0.36        | 2.32      | 0.19         | 0.09        | 7.98       | 1.05       | 0.28        | 1.9       | 0.18         | 75.0%                                 |  |  |
| 10           | 266          | 0                 | 0.07                                                                   | 14.57      | 1.62       | 0.47        | 0.91      | 0.04         | 0.06        | 11.3       | 1.58       | 0.44        | 0.78      | 0.04         | 77.6%                                 |  |  |
| 11           | 267          | 0                 | 0.26                                                                   | 9.9        | 1.52       | 0.45        | 2.76      | 0.18         | 0.17        | 7.49       | 1.26       | 0.42        | 1.49      | 0.17         | 75.7%                                 |  |  |
| 12           | 268          | 0                 | 0.37                                                                   | 27.81      | 2.88       | 0.55        | 15.49     | 0.56         | 0.25        | 21.97      | 2.34       | 0.52        | 12.53     | 0.53         | 79.0%                                 |  |  |
| 13           | 269          | 0                 | 0.37                                                                   | 34.5       | 4.28       | 1.03        | 13.19     | 0.11         | 0.26        | 27.88      | 3.75       | 0.87        | 11.09     | 0.1          | 80.8%                                 |  |  |
| 14           | 270          | 0                 | 0.26                                                                   | 31.7       | 6.76       | 2.56        | 1.76      | 0.06         | 0.2         | 25.53      | 6.81       | 2.34        | 1.26      | 0.06         | 80.5%                                 |  |  |
| 15           | 271          | 0                 | 0.4                                                                    | 30.14      | 5.73       | 1.89        | 1.74      | 0.15         | 0.27        | 25.55      | 5.27       | 1.79        | 1.08      | 0.15         | 84.8%                                 |  |  |
| 16           | 272          | 0                 | 1.34                                                                   | 26.62      | 3.56       | 1.16        | 13.03     | 0.63         | 0.87        | 18.33      | 2.67       | 1.1         | 6.87      | 0.61         | 68.9%                                 |  |  |
| 17           | 273          | 0                 | 0.34                                                                   | 32.2       | 4.04       | 0.68        | 14.38     | 0.22         | 0.24        | 25.62      | 3.67       | 0.54        | 11.67     | 0.21         | 79.6%                                 |  |  |
| 18           | 274          | 0                 | 0.25                                                                   | 32.83      | 4.96       | 2.13        | 6.26      | 0.12         | 0.19        | 27.63      | 5.05       | 1.87        | 4.77      | 0.12         | 84.2%                                 |  |  |
| 19           | 275          | 0                 | 0.32                                                                   | 29.7       | 5.61       | 2.14        | 1.63      | 0.13         | 0.22        | 23.71      | 5.49       | 2.02        | 0.96      | 0.12         | 79.8%                                 |  |  |
| 20           | 276          | 0                 | 0.49                                                                   | 31.89      | 5.8        | 1.08        | 4.52      | 0.22         | 0.33        | 25.38      | 5.07       | 1.01        | 2.38      | 0.21         | 79.6%                                 |  |  |

Table 6-4 PD of Back mmW module (n261) Low channel

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Closed n261 Back module_4cm2 Average Total PD (W/m^2)_Mid channel |            |            |             |           |              |             |            |            |             |           |              |                                          |  |
|--------------|--------------|-------------------|------------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|------------------------------------------|--|
|              |              |                   | Surface 2mm                                                            |            |            |             |           |              | Surface 5mm |            |            |             |           |              | 88.9%                                    |  |
|              |              |                   | S1<br>front                                                            | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | Ratio worst<br>surface back<br>(5mm/2mm) |  |
| 0            |              | 0                 | 0.02                                                                   | 1.85       | 0.27       | 0.08        | 0.2       | 0.02         | 0.01        | 1.3        | 0.2        | 0.08        | 0.16      | 0.02         | 70.3%                                    |  |
| 1            |              | 0                 | 0.02                                                                   | 2.42       | 0.18       | 0.09        | 0.32      | 0.02         | 0.01        | 1.71       | 0.15       | 0.09        | 0.23      | 0.02         | 70.7%                                    |  |
| 2            |              | 0                 | 0.04                                                                   | 2.73       | 0.33       | 0.12        | 0.43      | 0.01         | 0.02        | 1.96       | 0.33       | 0.11        | 0.29      | 0.01         | 71.8%                                    |  |
| 3            |              | 0                 | 0.03                                                                   | 2.63       | 0.23       | 0.11        | 0.75      | 0.02         | 0.02        | 1.85       | 0.21       | 0.1         | 0.46      | 0.02         | 70.3%                                    |  |
| 4            |              | 0                 | 0.03                                                                   | 2.23       | 0.2        | 0.11        | 0.94      | 0.01         | 0.02        | 1.53       | 0.16       | 0.1         | 0.56      | 0.01         | 68.6%                                    |  |
| 5            |              | 0                 | 0.05                                                                   | 3.75       | 0.3        | 0.14        | 2.49      | 0.03         | 0.03        | 2.66       | 0.28       | 0.12        | 1.64      | 0.03         | 70.9%                                    |  |
| 6            |              | 0                 | 0.03                                                                   | 6.38       | 0.7        | 0.36        | 1         | 0.02         | 0.03        | 4.79       | 0.71       | 0.33        | 0.86      | 0.02         | 75.1%                                    |  |
| 7            |              | 0                 | 0.05                                                                   | 5.11       | 0.6        | 0.29        | 0.42      | 0.01         | 0.03        | 4          | 0.5        | 0.27        | 0.25      | 0.01         | 78.3%                                    |  |
| 8            |              | 0                 | 0.11                                                                   | 3.71       | 0.42       | 0.15        | 1.9       | 0.05         | 0.07        | 2.71       | 0.4        | 0.12        | 1.08      | 0.04         | 73.0%                                    |  |
| 9            |              | 0                 | 0.03                                                                   | 3.89       | 0.41       | 0.18        | 0.64      | 0.05         | 0.02        | 2.67       | 0.33       | 0.17        | 0.56      | 0.04         | 68.6%                                    |  |
| 10           |              | 0                 | 0.03                                                                   | 7.24       | 0.68       | 0.33        | 0.4       | 0.02         | 0.03        | 5.56       | 0.67       | 0.31        | 0.33      | 0.02         | 76.8%                                    |  |
| 11           |              | 0                 | 0.08                                                                   | 4.38       | 0.38       | 0.26        | 1.07      | 0.05         | 0.06        | 3.26       | 0.32       | 0.23        | 0.64      | 0.04         | 74.4%                                    |  |
| 12           |              | 0                 | 0.08                                                                   | 9.11       | 0.71       | 0.33        | 5.11      | 0.1          | 0.05        | 7.2        | 0.62       | 0.31        | 4.27      | 0.09         | 79.0%                                    |  |
| 13           |              | 0                 | 0.12                                                                   | 13.13      | 1.21       | 0.61        | 4.16      | 0.06         | 0.11        | 10.18      | 1.09       | 0.53        | 3.77      | 0.06         | 77.5%                                    |  |
| 14           |              | 0                 | 0.1                                                                    | 15.98      | 2.94       | 1.58        | 1.21      | 0.03         | 0.08        | 12.07      | 3.04       | 1.44        | 0.82      | 0.03         | 75.5%                                    |  |
| 15           |              | 0                 | 0.1                                                                    | 14.5       | 1.7        | 1.08        | 0.85      | 0.02         | 0.08        | 11.25      | 1.51       | 1           | 0.48      | 0.02         | 77.6%                                    |  |
| 16           |              | 0                 | 0.32                                                                   | 6.75       | 0.58       | 0.39        | 5.69      | 0.09         | 0.21        | 5.43       | 0.58       | 0.35        | 3.3       | 0.09         | 80.4%                                    |  |
| 17           |              | 0                 | 0.12                                                                   | 11.29      | 1.09       | 0.3         | 4.73      | 0.07         | 0.1         | 8.68       | 0.97       | 0.26        | 4.07      | 0.07         | 76.9%                                    |  |
| 18           |              | 0                 | 0.13                                                                   | 15.33      | 2.44       | 1.43        | 2.51      | 0.04         | 0.11        | 11.71      | 2.43       | 1.29        | 2.34      | 0.04         | 76.4%                                    |  |
| 19           |              | 0                 | 0.11                                                                   | 15.63      | 2.22       | 1.49        | 0.67      | 0.03         | 0.09        | 11.57      | 2.34       | 1.31        | 0.45      | 0.03         | 74.0%                                    |  |
| 20           |              | 0                 | 0.21                                                                   | 12.08      | 1.19       | 0.51        | 3.21      | 0.05         | 0.13        | 9.83       | 1.07       | 0.46        | 1.67      | 0.05         | 81.4%                                    |  |
| 256          |              | 0                 | 0.02                                                                   | 2.96       | 0.19       | 0.06        | 0.33      | 0.03         | 0.01        | 2.18       | 0.17       | 0.06        | 0.3       | 0.03         | 73.6%                                    |  |
| 257          |              | 0                 | 0.03                                                                   | 2.81       | 0.22       | 0.04        | 0.25      | 0.03         | 0.02        | 2.04       | 0.18       | 0.04        | 0.21      | 0.03         | 72.6%                                    |  |
| 258          |              | 0                 | 0.03                                                                   | 2.65       | 0.3        | 0.03        | 0.3       | 0.03         | 0.02        | 2.04       | 0.28       | 0.03        | 0.22      | 0.02         | 77.0%                                    |  |
| 259          |              | 0                 | 0.05                                                                   | 2.78       | 0.28       | 0.03        | 0.68      | 0.03         | 0.03        | 2.15       | 0.24       | 0.03        | 0.51      | 0.02         | 77.3%                                    |  |
| 260          |              | 0                 | 0.04                                                                   | 2.31       | 0.34       | 0.07        | 0.67      | 0.03         | 0.03        | 1.78       | 0.25       | 0.06        | 0.54      | 0.03         | 77.1%                                    |  |
| 261          |              | 0                 | 0.08                                                                   | 5.09       | 0.6        | 0.06        | 1.42      | 0.06         | 0.05        | 4.22       | 0.58       | 0.05        | 1.12      | 0.06         | 82.9%                                    |  |
| 262          |              | 0                 | 0.04                                                                   | 5.82       | 0.61       | 0.05        | 0.73      | 0.04         | 0.03        | 5          | 0.54       | 0.04        | 0.56      | 0.04         | 85.9%                                    |  |
| 263          |              | 0                 | 0.03                                                                   | 7.02       | 0.57       | 0.13        | 0.21      | 0.03         | 0.02        | 5.72       | 0.53       | 0.12        | 0.17      | 0.03         | 81.5%                                    |  |
| 264          |              | 0                 | 0.06                                                                   | 5.95       | 0.54       | 0.13        | 0.61      | 0.06         | 0.04        | 4.52       | 0.43       | 0.13        | 0.55      | 0.06         | 76.0%                                    |  |
| 265          |              | 0                 | 0.07                                                                   | 4.72       | 0.59       | 0.11        | 0.94      | 0.12         | 0.05        | 3.71       | 0.46       | 0.08        | 0.8       | 0.11         | 78.6%                                    |  |
| 266          |              | 0                 | 0.02                                                                   | 6.69       | 0.53       | 0.1         | 0.28      | 0.03         | 0.01        | 5.52       | 0.48       | 0.08        | 0.24      | 0.03         | 82.5%                                    |  |
| 267          |              | 0                 | 0.13                                                                   | 5.25       | 0.91       | 0.1         | 1.28      | 0.09         | 0.09        | 4.17       | 0.73       | 0.09        | 0.76      | 0.08         | 79.4%                                    |  |
| 268          |              | 0                 | 0.2                                                                    | 10.04      | 1.89       | 0.22        | 5.85      | 0.38         | 0.13        | 7.99       | 1.39       | 0.19        | 4.6       | 0.35         | 79.6%                                    |  |
| 269          |              | 0                 | 0.21                                                                   | 15.12      | 2.29       | 0.2         | 5.99      | 0.08         | 0.14        | 12.7       | 2.18       | 0.16        | 4.92      | 0.07         | 84.0%                                    |  |
| 270          |              | 0                 | 0.05                                                                   | 15.7       | 2.45       | 0.36        | 0.69      | 0.02         | 0.04        | 13.44      | 2.49       | 0.33        | 0.51      | 0.02         | 85.6%                                    |  |
| 271          |              | 0                 | 0.15                                                                   | 15.12      | 3.09       | 0.33        | 0.52      | 0.08         | 0.1         | 13.35      | 3.08       | 0.3         | 0.41      | 0.07         | 88.3%                                    |  |
| 272          |              | 0                 | 0.56                                                                   | 14.36      | 2.41       | 0.45        | 4.09      | 0.4          | 0.38        | 10.13      | 1.87       | 0.44        | 2.24      | 0.38         | 70.5%                                    |  |
| 273          |              | 0                 | 0.21                                                                   | 13.37      | 2.3        | 0.2         | 5.88      | 0.14         | 0.14        | 10.95      | 1.98       | 0.15        | 4.73      | 0.13         | 81.9%                                    |  |
| 274          |              | 0                 | 0.06                                                                   | 15.42      | 2          | 0.36        | 3.19      | 0.07         | 0.04        | 13.71      | 2.1        | 0.32        | 2.59      | 0.07         | 88.9%                                    |  |
| 275          |              | 0                 | 0.12                                                                   | 14.67      | 3.08       | 0.34        | 0.65      | 0.08         | 0.08        | 12.91      | 3.14       | 0.32        | 0.51      | 0.07         | 88.0%                                    |  |
| 276          |              | 0                 | 0.24                                                                   | 15.52      | 2.98       | 0.25        | 0.98      | 0.08         | 0.16        | 12.9       | 2.57       | 0.24        | 0.56      | 0.07         | 83.1%                                    |  |
| 0            | 256          | 0                 | 0.05                                                                   | 5.41       | 0.57       | 0.21        | 0.82      | 0.05         | 0.04        | 3.96       | 0.46       | 0.2         | 0.7       | 0.05         | 73.2%                                    |  |
| 1            | 257          | 0                 | 0.07                                                                   | 5.48       | 0.52       | 0.19        | 0.65      | 0.06         | 0.05        | 3.89       | 0.41       | 0.17        | 0.49      | 0.05         | 71.0%                                    |  |
| 2            | 258          | 0                 | 0.08                                                                   | 5.74       | 0.71       | 0.2         | 0.83      | 0.07         | 0.06        | 4.16       | 0.7        | 0.19        | 0.62      | 0.06         | 72.5%                                    |  |
| 3            | 259          | 0                 | 0.13                                                                   | 5.61       | 0.69       | 0.19        | 1.93      | 0.05         | 0.08        | 4.24       | 0.65       | 0.17        | 1.26      | 0.05         | 75.6%                                    |  |
| 4            | 260          | 0                 | 0.1                                                                    | 4.78       | 0.62       | 0.29        | 2.28      | 0.06         | 0.07        | 3.51       | 0.45       | 0.27        | 1.31      | 0.05         | 73.4%                                    |  |
| 5            | 261          | 0                 | 0.15                                                                   | 10.68      | 1.19       | 0.24        | 4.93      | 0.14         | 0.1         | 8.16       | 1.11       | 0.2         | 3.72      | 0.13         | 76.4%                                    |  |
| 6            | 262          | 0                 | 0.13                                                                   | 13.27      | 1.4        | 0.49        | 2.23      | 0.07         | 0.09        | 10.42      | 1.3        | 0.46        | 1.9       | 0.07         | 78.5%                                    |  |
| 7            | 263          | 0                 | 0.11                                                                   | 12.56      | 1.48       | 0.6         | 0.87      | 0.07         | 0.07        | 10.02      | 1.22       | 0.55        | 0.47      | 0.07         | 79.8%                                    |  |
| 8            | 264          | 0                 | 0.28                                                                   | 9.42       | 0.99       | 0.33        | 2.82      | 0.15         | 0.18        | 7.15       | 0.9        | 0.32        | 1.83      | 0.15         | 75.9%                                    |  |
| 9            | 265          | 0                 | 0.11                                                                   | 10.68      | 1.22       | 0.4         | 2.34      | 0.17         | 0.08        | 7.81       | 0.93       | 0.36        | 1.95      | 0.16         | 73.1%                                    |  |
| 10           | 266          | 0                 | 0.05                                                                   | 14.94      | 1.45       | 0.45        | 0.94      | 0.05         | 0.04        | 11.64      | 1.41       | 0.42        | 0.76      | 0.04         | 77.9%                                    |  |
| 11           | 267          | 0                 | 0.33                                                                   | 10.12      | 1.57       | 0.43        | 3.13      | 0.16         | 0.21        | 7.73       | 1.32       | 0.4         | 1.65      | 0.15         | 76.4%                                    |  |
| 12           | 268          | 0                 | 0.43                                                                   | 26.63      | 3.3        | 0.64        | 16.19     | 0.56         | 0.3         | 21.17      | 2.59       | 0.59        | 13.22     | 0.53         | 79.5%                                    |  |
| 13           | 269          | 0                 | 0.47                                                                   | 34.37      | 4.85       | 0.97        | 12.7      | 0.11         | 0.33        | 27.39      | 4.16       | 0.84        | 10.74     | 0.1          | 79.7%                                    |  |
| 14           | 270          | 0                 | 0.24                                                                   | 32.42      | 6.58       | 2.65        | 1.98      | 0.07         | 0.18        | 25.73      | 6.69       | 2.43        | 1.38      | 0.07         | 79.4%                                    |  |
| 15           | 271          | 0                 | 0.44                                                                   | 30.59      | 6.89       | 1.84        | 1.78      | 0.13         | 0.3         | 26.15      | 6.63       | 1.75        | 1.09      | 0.12         | 85.5%                                    |  |
| 16           | 272          | 0                 | 1.5                                                                    | 26.95      | 3.7        | 1.04        | 13.7      | 0.56         | 0.97        | 18.61      | 2.68       | 0.99        | 7.2       | 0.55         | 69.1%                                    |  |
| 17           | 273          | 0                 | 0.45                                                                   | 31.4       | 4.6        | 0.65        | 13.96     | 0.22         | 0.31        | 24.86      | 3.83       | 0.52        | 11.36     | 0.21         | 79.2%                                    |  |
| 18           | 274          | 0                 | 0.28                                                                   | 33.31      | 5.71       | 2.37        | 6.03      | 0.11         | 0.2         | 27.45      | 5.92       | 2.11        | 4.66      | 0.1          | 82.4%                                    |  |
| 19           | 275          | 0                 | 0.36                                                                   | 30.44      | 6.6        | 2.09        | 1.63      | 0.11         | 0.25        | 24.4       | 6.62       | 1.91        | 1.05      | 0.11         | 80.2%                                    |  |
| 20           | 276          | 0                 | 0.57                                                                   | 31.98      | 5.61       | 1.03        | 5.43      | 0.17         | 0.37        | 25.79      | 4.78       | 0.99        | 2.76      | 0.16         | 80.6%                                    |  |

Table 6-5 PD of Back mmW module (n261) Middle channel

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Closed n261 Back module_4cm2 Average Total PD (W/m^2)_High channel |            |            |             |           |              |             |            |            |             |           |              |                                          |  |
|--------------|--------------|-------------------|-------------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|------------------------------------------|--|
|              |              |                   | Surface 2mm                                                             |            |            |             |           |              | Surface 5mm |            |            |             |           |              | 88.9%                                    |  |
|              |              |                   | S1<br>front                                                             | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | Ratio worst<br>surface back<br>(5mm/2mm) |  |
| 0            |              | 0                 | 0.02                                                                    | 1.83       | 0.28       | 0.09        | 0.22      | 0.02         | 0.02        | 1.24       | 0.2        | 0.08        | 0.17      | 0.02         | 67.8%                                    |  |
| 1            |              | 0                 | 0.01                                                                    | 2.51       | 0.18       | 0.11        | 0.33      | 0.02         | 0.01        | 1.71       | 0.16       | 0.09        | 0.24      | 0.02         | 68.1%                                    |  |
| 2            |              | 0                 | 0.04                                                                    | 2.7        | 0.34       | 0.11        | 0.38      | 0.02         | 0.02        | 1.91       | 0.33       | 0.1         | 0.26      | 0.01         | 70.7%                                    |  |
| 3            |              | 0                 | 0.03                                                                    | 2.56       | 0.24       | 0.09        | 0.77      | 0.02         | 0.02        | 1.82       | 0.23       | 0.08        | 0.46      | 0.02         | 71.1%                                    |  |
| 4            |              | 0                 | 0.05                                                                    | 2.15       | 0.23       | 0.11        | 0.95      | 0.01         | 0.03        | 1.48       | 0.2        | 0.1         | 0.59      | 0.01         | 68.8%                                    |  |
| 5            |              | 0                 | 0.05                                                                    | 3.55       | 0.33       | 0.13        | 2.32      | 0.04         | 0.04        | 2.52       | 0.33       | 0.11        | 1.6       | 0.04         | 71.0%                                    |  |
| 6            |              | 0                 | 0.03                                                                    | 6.29       | 0.67       | 0.35        | 0.82      | 0.02         | 0.03        | 4.71       | 0.66       | 0.32        | 0.68      | 0.02         | 74.9%                                    |  |
| 7            |              | 0                 | 0.05                                                                    | 5.07       | 0.61       | 0.31        | 0.44      | 0.02         | 0.03        | 3.83       | 0.55       | 0.29        | 0.29      | 0.01         | 75.5%                                    |  |
| 8            |              | 0                 | 0.11                                                                    | 3.57       | 0.49       | 0.15        | 1.83      | 0.06         | 0.07        | 2.56       | 0.48       | 0.13        | 1.06      | 0.05         | 71.7%                                    |  |
| 9            |              | 0                 | 0.03                                                                    | 4.15       | 0.41       | 0.18        | 0.68      | 0.05         | 0.02        | 2.76       | 0.36       | 0.16        | 0.57      | 0.05         | 66.5%                                    |  |
| 10           |              | 0                 | 0.03                                                                    | 7.31       | 0.74       | 0.36        | 0.39      | 0.01         | 0.03        | 5.5        | 0.68       | 0.33        | 0.31      | 0.01         | 75.2%                                    |  |
| 11           |              | 0                 | 0.08                                                                    | 4.51       | 0.47       | 0.25        | 0.98      | 0.05         | 0.05        | 3.36       | 0.46       | 0.22        | 0.6       | 0.05         | 74.5%                                    |  |
| 12           |              | 0                 | 0.08                                                                    | 8.93       | 0.83       | 0.31        | 4.79      | 0.12         | 0.06        | 6.88       | 0.73       | 0.28        | 3.99      | 0.1          | 77.0%                                    |  |
| 13           |              | 0                 | 0.14                                                                    | 13.23      | 1.46       | 0.64        | 3.81      | 0.05         | 0.12        | 10.01      | 1.32       | 0.56        | 3.36      | 0.05         | 75.7%                                    |  |
| 14           |              | 0                 | 0.11                                                                    | 16.21      | 2.62       | 1.55        | 1.26      | 0.02         | 0.08        | 12.08      | 2.85       | 1.41        | 0.9       | 0.02         | 74.5%                                    |  |
| 15           |              | 0                 | 0.1                                                                     | 14.06      | 1.96       | 1.04        | 1.17      | 0.02         | 0.07        | 10.72      | 1.98       | 0.95        | 0.67      | 0.02         | 76.2%                                    |  |
| 16           |              | 0                 | 0.36                                                                    | 6.87       | 0.8        | 0.35        | 5.39      | 0.14         | 0.23        | 5.43       | 0.59       | 0.33        | 3.35      | 0.13         | 79.0%                                    |  |
| 17           |              | 0                 | 0.14                                                                    | 11.27      | 1.2        | 0.31        | 4.42      | 0.06         | 0.11        | 8.43       | 1.07       | 0.27        | 3.74      | 0.06         | 74.8%                                    |  |
| 18           |              | 0                 | 0.1                                                                     | 15.7       | 2.4        | 1.49        | 2.62      | 0.03         | 0.09        | 11.8       | 2.5        | 1.33        | 2.52      | 0.03         | 75.2%                                    |  |
| 19           |              | 0                 | 0.1                                                                     | 15.78      | 2.57       | 1.54        | 0.67      | 0.02         | 0.09        | 11.63      | 2.7        | 1.34        | 0.42      | 0.02         | 73.7%                                    |  |
| 20           |              | 0                 | 0.33                                                                    | 11.46      | 1.19       | 0.55        | 3.7       | 0.06         | 0.21        | 9.11       | 1.28       | 0.5         | 2.11      | 0.05         | 79.5%                                    |  |
| 256          |              | 0                 | 0.02                                                                    | 2.75       | 0.2        | 0.08        | 0.28      | 0.03         | 0.01        | 2.04       | 0.18       | 0.08        | 0.25      | 0.03         | 74.2%                                    |  |
| 257          |              | 0                 | 0.03                                                                    | 2.76       | 0.22       | 0.05        | 0.23      | 0.04         | 0.02        | 2.03       | 0.18       | 0.04        | 0.2       | 0.03         | 73.6%                                    |  |
| 258          |              | 0                 | 0.03                                                                    | 2.66       | 0.27       | 0.04        | 0.33      | 0.03         | 0.02        | 2.07       | 0.27       | 0.03        | 0.25      | 0.03         | 77.8%                                    |  |
| 259          |              | 0                 | 0.08                                                                    | 2.66       | 0.26       | 0.04        | 0.76      | 0.02         | 0.05        | 2.1        | 0.26       | 0.03        | 0.48      | 0.02         | 78.9%                                    |  |
| 260          |              | 0                 | 0.08                                                                    | 2.22       | 0.33       | 0.06        | 0.75      | 0.03         | 0.05        | 1.7        | 0.25       | 0.06        | 0.52      | 0.03         | 76.6%                                    |  |
| 261          |              | 0                 | 0.11                                                                    | 5          | 0.53       | 0.07        | 1.43      | 0.08         | 0.07        | 4.12       | 0.53       | 0.06        | 1.14      | 0.07         | 82.4%                                    |  |
| 262          |              | 0                 | 0.05                                                                    | 5.63       | 0.62       | 0.06        | 0.73      | 0.05         | 0.03        | 4.86       | 0.51       | 0.05        | 0.6       | 0.05         | 86.3%                                    |  |
| 263          |              | 0                 | 0.03                                                                    | 6.74       | 0.59       | 0.16        | 0.27      | 0.03         | 0.02        | 5.49       | 0.57       | 0.14        | 0.2       | 0.03         | 81.5%                                    |  |
| 264          |              | 0                 | 0.05                                                                    | 5.6        | 0.46       | 0.16        | 0.55      | 0.06         | 0.04        | 4.28       | 0.46       | 0.15        | 0.5       | 0.05         | 76.4%                                    |  |
| 265          |              | 0                 | 0.06                                                                    | 4.31       | 0.55       | 0.11        | 0.72      | 0.12         | 0.04        | 3.41       | 0.46       | 0.1         | 0.63      | 0.11         | 79.1%                                    |  |
| 266          |              | 0                 | 0.03                                                                    | 6.48       | 0.54       | 0.12        | 0.29      | 0.03         | 0.02        | 5.39       | 0.49       | 0.1         | 0.24      | 0.03         | 83.2%                                    |  |
| 267          |              | 0                 | 0.22                                                                    | 5.01       | 0.77       | 0.12        | 1.71      | 0.08         | 0.14        | 4          | 0.62       | 0.12        | 0.95      | 0.07         | 79.8%                                    |  |
| 268          |              | 0                 | 0.37                                                                    | 9.14       | 1.96       | 0.27        | 5.36      | 0.44         | 0.23        | 7.05       | 1.74       | 0.26        | 4.22      | 0.42         | 77.1%                                    |  |
| 269          |              | 0                 | 0.22                                                                    | 13.99      | 2.17       | 0.24        | 5.52      | 0.09         | 0.14        | 11.91      | 2.01       | 0.19        | 4.72      | 0.09         | 85.1%                                    |  |
| 270          |              | 0                 | 0.06                                                                    | 15.42      | 2.17       | 0.41        | 0.63      | 0.02         | 0.04        | 13.37      | 2.18       | 0.38        | 0.47      | 0.02         | 86.7%                                    |  |
| 271          |              | 0                 | 0.14                                                                    | 14.85      | 3.19       | 0.34        | 0.67      | 0.05         | 0.09        | 13.12      | 3.3        | 0.31        | 0.45      | 0.05         | 88.4%                                    |  |
| 272          |              | 0                 | 0.73                                                                    | 13.35      | 1.87       | 0.36        | 4.99      | 0.36         | 0.49        | 9.55       | 1.48       | 0.37        | 2.72      | 0.33         | 71.5%                                    |  |
| 273          |              | 0                 | 0.27                                                                    | 11.93      | 2.2        | 0.21        | 5.26      | 0.16         | 0.19        | 9.93       | 1.89       | 0.17        | 4.39      | 0.15         | 83.2%                                    |  |
| 274          |              | 0                 | 0.08                                                                    | 15.16      | 2.06       | 0.4         | 2.69      | 0.06         | 0.06        | 13.47      | 2.13       | 0.35        | 2.23      | 0.06         | 88.9%                                    |  |
| 275          |              | 0                 | 0.11                                                                    | 14.31      | 3.08       | 0.35        | 0.67      | 0.06         | 0.08        | 12.64      | 3.31       | 0.32        | 0.54      | 0.06         | 88.3%                                    |  |
| 276          |              | 0                 | 0.2                                                                     | 15.15      | 2.86       | 0.3         | 1.38      | 0.06         | 0.13        | 12.71      | 2.87       | 0.25        | 0.74      | 0.06         | 83.9%                                    |  |
| 0            | 256          | 0                 | 0.06                                                                    | 4.98       | 0.68       | 0.24        | 0.78      | 0.05         | 0.04        | 3.66       | 0.55       | 0.24        | 0.66      | 0.05         | 73.5%                                    |  |
| 1            | 257          | 0                 | 0.07                                                                    | 5.55       | 0.55       | 0.23        | 0.64      | 0.05         | 0.05        | 3.92       | 0.44       | 0.19        | 0.48      | 0.05         | 70.6%                                    |  |
| 2            | 258          | 0                 | 0.11                                                                    | 5.63       | 0.77       | 0.19        | 0.85      | 0.06         | 0.07        | 4.02       | 0.75       | 0.17        | 0.55      | 0.05         | 71.4%                                    |  |
| 3            | 259          | 0                 | 0.19                                                                    | 5.56       | 0.74       | 0.21        | 2.07      | 0.06         | 0.12        | 4.17       | 0.73       | 0.19        | 1.25      | 0.05         | 75.0%                                    |  |
| 4            | 260          | 0                 | 0.17                                                                    | 4.57       | 0.67       | 0.28        | 2.38      | 0.08         | 0.11        | 3.33       | 0.49       | 0.26        | 1.38      | 0.08         | 72.9%                                    |  |
| 5            | 261          | 0                 | 0.25                                                                    | 10.38      | 1.34       | 0.23        | 4.88      | 0.17         | 0.17        | 7.84       | 1.35       | 0.2         | 3.65      | 0.16         | 75.5%                                    |  |
| 6            | 262          | 0                 | 0.16                                                                    | 12.89      | 1.6        | 0.49        | 1.82      | 0.07         | 0.1         | 10.02      | 1.48       | 0.46        | 1.55      | 0.07         | 77.7%                                    |  |
| 7            | 263          | 0                 | 0.12                                                                    | 12.51      | 1.58       | 0.62        | 0.96      | 0.08         | 0.08        | 9.88       | 1.51       | 0.59        | 0.53      | 0.07         | 79.0%                                    |  |
| 8            | 264          | 0                 | 0.29                                                                    | 9.22       | 1          | 0.36        | 2.93      | 0.16         | 0.19        | 6.95       | 0.96       | 0.35        | 1.78      | 0.15         | 75.4%                                    |  |
| 9            | 265          | 0                 | 0.11                                                                    | 10.71      | 1.36       | 0.46        | 2.1       | 0.16         | 0.08        | 7.34       | 0.99       | 0.4         | 1.74      | 0.15         | 68.5%                                    |  |
| 10           | 266          | 0                 | 0.06                                                                    | 14.89      | 1.46       | 0.52        | 1.06      | 0.05         | 0.05        | 11.51      | 1.36       | 0.46        | 0.86      | 0.04         | 77.3%                                    |  |
| 11           | 267          | 0                 | 0.43                                                                    | 10.05      | 1.79       | 0.46        | 3.39      | 0.15         | 0.28        | 7.73       | 1.76       | 0.42        | 1.8       | 0.14         | 76.9%                                    |  |
| 12           | 268          | 0                 | 0.53                                                                    | 25.46      | 3.71       | 0.62        | 15.33     | 0.58         | 0.35        | 19.56      | 3.28       | 0.57        | 12.48     | 0.54         | 76.8%                                    |  |
| 13           | 269          | 0                 | 0.53                                                                    | 33.19      | 5.3        | 1.04        | 11.24     | 0.12         | 0.37        | 26         | 4.29       | 0.9         | 9.53      | 0.11         | 78.3%                                    |  |
| 14           | 270          | 0                 | 0.24                                                                    | 32.85      | 6.21       | 2.71        | 1.9       | 0.06         | 0.19        | 25.74      | 6.33       | 2.49        | 1.48      | 0.06         | 78.4%                                    |  |
| 15           | 271          | 0                 | 0.44                                                                    | 30.59      | 8.11       | 1.73        | 2.41      | 0.11         | 0.3         | 25.99      | 8.26       | 1.6         | 1.41      | 0.1          | 85.0%                                    |  |
| 16           | 272          | 0                 | 1.85                                                                    | 26.73      | 4.24       | 0.94        | 14.81     | 0.61         | 1.22        | 18.68      | 3.12       | 0.88        | 7.86      | 0.59         | 69.9%                                    |  |
| 17           | 273          | 0                 | 0.5                                                                     | 29.64      | 4.97       | 0.57        | 12.23     | 0.21         | 0.34        | 22.9       | 4.19       | 0.48        | 9.99      | 0.19         | 77.3%                                    |  |
| 18           | 274          | 0                 | 0.3                                                                     | 32.95      | 6.11       | 2.62        | 4.97      | 0.09         | 0.23        | 26.47      | 6.54       | 2.31        | 4.37      | 0.08         | 80.3%                                    |  |
| 19           | 275          | 0                 | 0.37                                                                    | 30.37      | 7.68       | 2.29        | 1.67      | 0.1          | 0.26        | 24.97      | 8          | 2.04        | 1.09      | 0.09         | 82.2%                                    |  |
| 20           | 276          | 0                 | 0.84                                                                    | 30.56      | 5.52       | 1.07        | 6.63      | 0.16         | 0.55        | 24.73      | 5.37       | 1.01        | 3.57      | 0.15         | 80.9%                                    |  |

Table 6-6 PD of Back mmW module (n261) High channel

# 【Flip Open Status】

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Open n260 Back module_4cm2 Average Total PD (W/m^2)_low channel |            |            |             |           |              |             |            |            |             |           |              |                                       | 88.3% |
|--------------|--------------|-------------------|----------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|---------------------------------------|-------|
|              |              |                   | Surface 2mm                                                          |            |            |             |           |              | Surface 5mm |            |            |             |           |              | Ratio worst surface<br>back (5mm/2mm) |       |
|              |              |                   | S1<br>front                                                          | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom |                                       |       |
| 0            |              | 0                 | 0.04                                                                 | 2.32       | 0.02       | 0.06        | 0.43      | 0.02         | 0.02        | 1.7        | 0.02       | 0.05        | 0.35      | 0.02         | 73.3%                                 |       |
| 1            |              | 0                 | 0.1                                                                  | 2.71       | 0.05       | 0.03        | 0.39      | 0.02         | 0.06        | 1.99       | 0.04       | 0.03        | 0.34      | 0.02         | 73.4%                                 |       |
| 2            |              | 0                 | 0.33                                                                 | 3.45       | 0.04       | 0.05        | 0.85      | 0.02         | 0.22        | 2.54       | 0.03       | 0.04        | 0.57      | 0.02         | 73.6%                                 |       |
| 3            |              | 0                 | 0.15                                                                 | 3.25       | 0.04       | 0.04        | 0.78      | 0.02         | 0.09        | 2.41       | 0.03       | 0.04        | 0.51      | 0.02         | 74.2%                                 |       |
| 4            |              | 0                 | 0.07                                                                 | 2.56       | 0.03       | 0.05        | 0.95      | 0.01         | 0.04        | 1.91       | 0.02       | 0.04        | 0.64      | 0.01         | 74.6%                                 |       |
| 5            |              | 0                 | 0.36                                                                 | 6.5        | 0.08       | 0.08        | 2.24      | 0.07         | 0.26        | 4.07       | 0.06       | 0.08        | 1.76      | 0.06         | 62.6%                                 |       |
| 6            |              | 0                 | 0.18                                                                 | 4.32       | 0.07       | 0.11        | 0.84      | 0.01         | 0.11        | 3.59       | 0.05       | 0.1         | 0.6       | 0.01         | 83.1%                                 |       |
| 7            |              | 0                 | 0.15                                                                 | 5.47       | 0.11       | 0.11        | 0.56      | 0.03         | 0.1         | 4.54       | 0.08       | 0.1         | 0.42      | 0.03         | 83.0%                                 |       |
| 8            |              | 0                 | 0.08                                                                 | 5.4        | 0.06       | 0.08        | 1.16      | 0.06         | 0.06        | 3.89       | 0.05       | 0.07        | 1.07      | 0.06         | 72.0%                                 |       |
| 9            |              | 0                 | 0.67                                                                 | 5.99       | 0.06       | 0.1         | 2.25      | 0.06         | 0.45        | 4          | 0.05       | 0.1         | 1.5       | 0.05         | 66.8%                                 |       |
| 10           |              | 0                 | 0.19                                                                 | 4.93       | 0.1        | 0.11        | 0.51      | 0.01         | 0.11        | 4.32       | 0.08       | 0.1         | 0.33      | 0.01         | 87.6%                                 |       |
| 11           |              | 0                 | 0.12                                                                 | 7.34       | 0.13       | 0.1         | 1.69      | 0.03         | 0.07        | 6.16       | 0.10       | 0.09        | 1.22      | 0.03         | 83.9%                                 |       |
| 12           |              | 0                 | 0.38                                                                 | 15.71      | 0.13       | 0.18        | 8.8       | 0.2          | 0.25        | 12.07      | 0.10       | 0.18        | 7.35      | 0.19         | 76.8%                                 |       |
| 13           |              | 0                 | 1.81                                                                 | 10.14      | 0.25       | 0.25        | 5.89      | 0.05         | 1.13        | 8.56       | 0.19       | 0.22        | 4.21      | 0.05         | 84.4%                                 |       |
| 14           |              | 0                 | 1.29                                                                 | 11.25      | 0.31       | 0.34        | 3.88      | 0.02         | 0.77        | 9.77       | 0.23       | 0.32        | 2.54      | 0.02         | 86.8%                                 |       |
| 15           |              | 0                 | 0.1                                                                  | 15.9       | 0.35       | 0.5         | 2.23      | 0.03         | 0.07        | 13.67      | 0.26       | 0.46        | 1.29      | 0.03         | 86.0%                                 |       |
| 16           |              | 0                 | 0.27                                                                 | 15.77      | 0.18       | 0.13        | 7.17      | 0.34         | 0.18        | 12.49      | 0.14       | 0.1         | 6         | 0.32         | 79.2%                                 |       |
| 17           |              | 0                 | 0.79                                                                 | 11.13      | 0.18       | 0.27        | 5.4       | 0.09         | 0.59        | 8.5        | 0.14       | 0.26        | 4.27      | 0.09         | 76.4%                                 |       |
| 18           |              | 0                 | 2.06                                                                 | 8.81       | 0.24       | 0.32        | 6.9       | 0.03         | 1.21        | 7.54       | 0.18       | 0.31        | 4.72      | 0.02         | 85.6%                                 |       |
| 19           |              | 0                 | 0.19                                                                 | 15.32      | 0.36       | 0.38        | 0.85      | 0.03         | 0.12        | 13.53      | 0.27       | 0.35        | 0.58      | 0.02         | 88.3%                                 |       |
| 20           |              | 0                 | 0.35                                                                 | 14.43      | 0.37       | 0.19        | 5.66      | 0.13         | 0.23        | 11.87      | 0.28       | 0.16        | 3.82      | 0.12         | 82.3%                                 |       |
| 256          |              | 0                 | 0.03                                                                 | 2.31       | 0.01       | 0.07        | 0.17      | 0.02         | 0.03        | 1.79       | 0.01       | 0.07        | 0.12      | 0.02         | 77.5%                                 |       |
| 257          |              | 0                 | 0.07                                                                 | 2.46       | 0.03       | 0.08        | 0.24      | 0.02         | 0.05        | 1.86       | 0.02       | 0.08        | 0.17      | 0.02         | 75.6%                                 |       |
| 258          |              | 0                 | 0.1                                                                  | 2.91       | 0.02       | 0.07        | 0.44      | 0.02         | 0.07        | 2.06       | 0.02       | 0.07        | 0.33      | 0.02         | 70.8%                                 |       |
| 259          |              | 0                 | 0.15                                                                 | 2.92       | 0.03       | 0.07        | 0.59      | 0.02         | 0.1         | 2.26       | 0.02       | 0.07        | 0.36      | 0.02         | 77.4%                                 |       |
| 260          |              | 0                 | 0.1                                                                  | 2.52       | 0.03       | 0.07        | 0.62      | 0.02         | 0.05        | 1.94       | 0.02       | 0.07        | 0.4       | 0.02         | 77.0%                                 |       |
| 261          |              | 0                 | 0.34                                                                 | 5.34       | 0.05       | 0.17        | 1.29      | 0.05         | 0.22        | 3.71       | 0.04       | 0.16        | 0.88      | 0.05         | 69.5%                                 |       |
| 262          |              | 0                 | 0.11                                                                 | 5.71       | 0.06       | 0.25        | 0.38      | 0.04         | 0.09        | 4.69       | 0.05       | 0.22        | 0.25      | 0.03         | 82.1%                                 |       |
| 263          |              | 0                 | 0.07                                                                 | 4.73       | 0.05       | 0.21        | 0.42      | 0.05         | 0.04        | 3.76       | 0.04       | 0.19        | 0.33      | 0.05         | 79.5%                                 |       |
| 264          |              | 0                 | 0.1                                                                  | 3.44       | 0.03       | 0.09        | 0.6       | 0.06         | 0.07        | 2.28       | 0.02       | 0.07        | 0.49      | 0.06         | 66.3%                                 |       |
| 265          |              | 0                 | 0.14                                                                 | 5.08       | 0.05       | 0.19        | 0.54      | 0.02         | 0.11        | 4.04       | 0.04       | 0.17        | 0.36      | 0.02         | 79.5%                                 |       |
| 266          |              | 0                 | 0.34                                                                 | 6.02       | 0.09       | 0.19        | 1.42      | 0.01         | 0.21        | 4.93       | 0.07       | 0.17        | 0.88      | 0.01         | 81.9%                                 |       |
| 267          |              | 0                 | 0.13                                                                 | 4.86       | 0.05       | 0.13        | 1.71      | 0.06         | 0.09        | 3.62       | 0.04       | 0.11        | 1.13      | 0.05         | 74.5%                                 |       |
| 268          |              | 0                 | 0.41                                                                 | 10.33      | 0.18       | 0.22        | 3.01      | 0.16         | 0.3         | 7.67       | 0.14       | 0.19        | 2.2       | 0.15         | 74.2%                                 |       |
| 269          |              | 0                 | 0.86                                                                 | 12.19      | 0.2        | 0.55        | 3.05      | 0.04         | 0.59        | 10.36      | 0.15       | 0.5         | 1.7       | 0.04         | 85.0%                                 |       |
| 270          |              | 0                 | 0.47                                                                 | 14.72      | 0.26       | 1.02        | 2.15      | 0.04         | 0.31        | 12.1       | 0.20       | 0.94        | 1.3       | 0.04         | 82.2%                                 |       |
| 271          |              | 0                 | 0.33                                                                 | 11.18      | 0.13       | 0.67        | 1.45      | 0.15         | 0.23        | 9          | 0.10       | 0.59        | 1.04      | 0.13         | 80.5%                                 |       |
| 272          |              | 0                 | 0.23                                                                 | 11.65      | 0.15       | 0.19        | 5.18      | 0.25         | 0.14        | 9.05       | 0.11       | 0.15        | 3.73      | 0.24         | 77.7%                                 |       |
| 273          |              | 0                 | 0.61                                                                 | 11.94      | 0.2        | 0.41        | 2.35      | 0.04         | 0.4         | 9.85       | 0.15       | 0.35        | 1.6       | 0.04         | 82.5%                                 |       |
| 274          |              | 0                 | 0.9                                                                  | 13.47      | 0.22       | 0.73        | 3.33      | 0.05         | 0.63        | 11.06      | 0.17       | 0.65        | 1.98      | 0.05         | 82.1%                                 |       |
| 275          |              | 0                 | 0.2                                                                  | 13.58      | 0.23       | 0.99        | 1.17      | 0.1          | 0.14        | 10.99      | 0.17       | 0.92        | 0.88      | 0.09         | 80.9%                                 |       |
| 276          |              | 0                 | 0.2                                                                  | 11.18      | 0.18       | 0.36        | 4.14      | 0.1          | 0.14        | 9.19       | 0.14       | 0.29        | 2.82      | 0.09         | 82.2%                                 |       |
| 0            | 256          | 0                 | 0.11                                                                 | 5.2        | 0.04       | 0.2         | 0.92      | 0.04         | 0.08        | 3.78       | 0.03       | 0.19        | 0.73      | 0.04         | 72.7%                                 |       |
| 1            | 257          | 0                 | 0.24                                                                 | 5.47       | 0.09       | 0.16        | 0.95      | 0.09         | 0.14        | 4.17       | 0.07       | 0.15        | 0.68      | 0.08         | 76.2%                                 |       |
| 2            | 258          | 0                 | 0.59                                                                 | 6.78       | 0.08       | 0.19        | 1.78      | 0.07         | 0.36        | 4.8        | 0.06       | 0.18        | 1.21      | 0.06         | 70.8%                                 |       |
| 3            | 259          | 0                 | 0.5                                                                  | 7.06       | 0.08       | 0.15        | 1.98      | 0.04         | 0.34        | 5.26       | 0.06       | 0.14        | 1.26      | 0.04         | 74.5%                                 |       |
| 4            | 260          | 0                 | 0.25                                                                 | 5.47       | 0.07       | 0.15        | 2.13      | 0.05         | 0.14        | 4.08       | 0.05       | 0.14        | 1.45      | 0.04         | 74.6%                                 |       |
| 5            | 261          | 0                 | 1.21                                                                 | 12.47      | 0.13       | 0.41        | 4.79      | 0.19         | 0.83        | 8.56       | 0.10       | 0.4         | 3.51      | 0.18         | 68.6%                                 |       |
| 6            | 262          | 0                 | 0.42                                                                 | 11.03      | 0.18       | 0.53        | 1.92      | 0.04         | 0.27        | 9.08       | 0.14       | 0.52        | 1.32      | 0.04         | 82.3%                                 |       |
| 7            | 263          | 0                 | 0.35                                                                 | 11.2       | 0.18       | 0.46        | 1.05      | 0.14         | 0.22        | 8.81       | 0.14       | 0.43        | 0.88      | 0.13         | 78.7%                                 |       |
| 8            | 264          | 0                 | 0.28                                                                 | 9.81       | 0.12       | 0.27        | 2.17      | 0.23         | 0.17        | 6.42       | 0.09       | 0.21        | 1.88      | 0.21         | 65.4%                                 |       |
| 9            | 265          | 0                 | 1.02                                                                 | 10.94      | 0.14       | 0.33        | 3.42      | 0.11         | 0.77        | 8.53       | 0.11       | 0.29        | 2.38      | 0.1          | 78.0%                                 |       |
| 10           | 266          | 0                 | 0.88                                                                 | 11.7       | 0.25       | 0.44        | 2.92      | 0.03         | 0.54        | 9.55       | 0.19       | 0.42        | 1.83      | 0.03         | 81.6%                                 |       |
| 11           | 267          | 0                 | 0.32                                                                 | 13.44      | 0.21       | 0.32        | 3.84      | 0.14         | 0.22        | 10.68      | 0.16       | 0.28        | 2.8       | 0.13         | 79.5%                                 |       |
| 12           | 268          | 0                 | 1.16                                                                 | 26.02      | 0.43       | 0.4         | 15.38     | 0.58         | 0.83        | 18.83      | 0.32       | 0.36        | 12.47     | 0.55         | 72.4%                                 |       |
| 13           | 269          | 0                 | 4.34                                                                 | 26.21      | 0.6        | 1.2         | 13.31     | 0.12         | 2.76        | 22.65      | 0.45       | 1.1         | 8.36      | 0.12         | 86.4%                                 |       |
| 14           | 270          | 0                 | 2.92                                                                 | 29.85      | 0.91       | 2           | 9.99      | 0.12         | 1.71        | 24.09      | 0.68       | 1.86        | 6.16      | 0.12         | 80.7%                                 |       |
| 15           | 271          | 0                 | 0.57                                                                 | 29.58      | 0.62       | 2.01        | 4.29      | 0.27         | 0.36        | 24.36      | 0.47       | 1.82        | 2.86      | 0.24         | 82.4%                                 |       |
| 16           | 272          | 0                 | 0.93                                                                 | 31.92      | 0.44       | 0.35        | 14.26     | 1.02         | 0.61        | 24.03      | 0.33       | 0.29        | 11.11     | 0.98         | 75.3%                                 |       |
| 17           | 273          | 0                 | 2.05                                                                 | 25.84      | 0.53       | 0.83        | 10.84     | 0.14         | 1.46        | 20.16      | 0.40       | 0.77        | 8.35      | 0.13         | 78.0%                                 |       |
| 18           | 274          | 0                 | 5.18                                                                 | 28.12      | 0.8        | 1.58        | 17.38     | 0.1          | 3.07        | 23.23      | 0.60       | 1.53        | 11.23     | 0.11         | 82.6%                                 |       |
| 19           | 275          | 0                 | 0.58                                                                 | 31.1       | 0.72       | 2.06        | 2.1       | 0.19         | 0.4         | 26.27      | 0.54       | 1.92        | 1.6       | 0.17         | 84.5%                                 |       |
| 20           | 276          | 0                 | 0.64                                                                 | 29.56      | 0.79       | 0.88        | 12.1      | 0.32         | 0.45        | 24.21      | 0.59       | 0.7         | 8.94      | 0.31         | 81.9%                                 |       |

Table 6-7 PD of Back mmW module (n260) Middle channel

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Open n260 Back module_4cm2 Average Total PD (W/m^2)_Mid channel |            |            |             |           |              |             |            |            |             |           |              |                                          |  |
|--------------|--------------|-------------------|----------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|------------------------------------------|--|
|              |              |                   | Surface 2mm                                                          |            |            |             |           |              | Surface 5mm |            |            |             |           |              | 91.1%                                    |  |
|              |              |                   | S1<br>front                                                          | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | Ratio worst<br>surface back<br>(5mm/2mm) |  |
| 0            |              | 0                 | 0.04                                                                 | 2.32       | 0.03       | 0.06        | 0.36      | 0.01         | 0.03        | 1.68       | 0.02       | 0.06        | 0.3       | 0.01         | 72.4%                                    |  |
| 1            |              | 0                 | 0.06                                                                 | 2.7        | 0.04       | 0.04        | 0.4       | 0.03         | 0.04        | 2.08       | 0.03       | 0.03        | 0.29      | 0.02         | 77.0%                                    |  |
| 2            |              | 0                 | 0.32                                                                 | 3.56       | 0.03       | 0.05        | 1.04      | 0.01         | 0.23        | 2.75       | 0.02       | 0.04        | 0.63      | 0.01         | 77.2%                                    |  |
| 3            |              | 0                 | 0.22                                                                 | 2.89       | 0.02       | 0.04        | 1.04      | 0.02         | 0.15        | 2.16       | 0.02       | 0.04        | 0.73      | 0.02         | 74.7%                                    |  |
| 4            |              | 0                 | 0.06                                                                 | 2.45       | 0.02       | 0.04        | 0.95      | 0.01         | 0.03        | 1.97       | 0.02       | 0.03        | 0.6       | 0.01         | 80.4%                                    |  |
| 5            |              | 0                 | 0.32                                                                 | 6.48       | 0.06       | 0.08        | 2.3       | 0.05         | 0.24        | 4.25       | 0.05       | 0.07        | 1.79      | 0.05         | 65.6%                                    |  |
| 6            |              | 0                 | 0.1                                                                  | 4.28       | 0.11       | 0.12        | 0.82      | 0.02         | 0.06        | 3.45       | 0.08       | 0.1         | 0.63      | 0.02         | 80.6%                                    |  |
| 7            |              | 0                 | 0.12                                                                 | 5.22       | 0.09       | 0.1         | 0.52      | 0.03         | 0.07        | 4.39       | 0.07       | 0.09        | 0.43      | 0.03         | 84.1%                                    |  |
| 8            |              | 0                 | 0.1                                                                  | 5.66       | 0.07       | 0.11        | 0.92      | 0.07         | 0.07        | 3.71       | 0.05       | 0.1         | 0.82      | 0.07         | 65.5%                                    |  |
| 9            |              | 0                 | 0.64                                                                 | 5.96       | 0.07       | 0.09        | 2.63      | 0.05         | 0.48        | 3.97       | 0.05       | 0.08        | 1.71      | 0.05         | 66.6%                                    |  |
| 10           |              | 0                 | 0.12                                                                 | 4.59       | 0.1        | 0.09        | 0.6       | 0.01         | 0.07        | 4.09       | 0.08       | 0.08        | 0.42      | 0.01         | 89.1%                                    |  |
| 11           |              | 0                 | 0.24                                                                 | 7.01       | 0.08       | 0.11        | 1.7       | 0.02         | 0.14        | 5.86       | 0.06       | 0.09        | 1.21      | 0.02         | 83.6%                                    |  |
| 12           |              | 0                 | 0.41                                                                 | 13.9       | 0.13       | 0.2         | 7.58      | 0.15         | 0.25        | 10.61      | 0.10       | 0.18        | 6.41      | 0.15         | 76.3%                                    |  |
| 13           |              | 0                 | 1.18                                                                 | 12.92      | 0.29       | 0.26        | 4.32      | 0.07         | 0.84        | 11.19      | 0.22       | 0.24        | 3.03      | 0.07         | 86.6%                                    |  |
| 14           |              | 0                 | 1.61                                                                 | 9.34       | 0.19       | 0.36        | 6.22      | 0.03         | 1.02        | 8.18       | 0.14       | 0.31        | 4.22      | 0.03         | 87.6%                                    |  |
| 15           |              | 0                 | 0.14                                                                 | 16         | 0.28       | 0.4         | 2.58      | 0.03         | 0.09        | 14.27      | 0.21       | 0.36        | 1.58      | 0.02         | 89.2%                                    |  |
| 16           |              | 0                 | 0.27                                                                 | 13.87      | 0.23       | 0.14        | 6.04      | 0.31         | 0.2         | 10.78      | 0.17       | 0.13        | 4.88      | 0.29         | 77.7%                                    |  |
| 17           |              | 0                 | 0.83                                                                 | 9.59       | 0.19       | 0.22        | 6.99      | 0.05         | 0.64        | 6.69       | 0.14       | 0.21        | 5.32      | 0.05         | 69.8%                                    |  |
| 18           |              | 0                 | 1.72                                                                 | 9.92       | 0.21       | 0.29        | 6.67      | 0.03         | 1.13        | 8.67       | 0.16       | 0.26        | 4.66      | 0.03         | 87.4%                                    |  |
| 19           |              | 0                 | 0.49                                                                 | 14.21      | 0.25       | 0.32        | 1.9       | 0.03         | 0.35        | 12.94      | 0.19       | 0.27        | 1.14      | 0.03         | 91.1%                                    |  |
| 20           |              | 0                 | 0.41                                                                 | 14.29      | 0.32       | 0.22        | 6.55      | 0.13         | 0.25        | 11.51      | 0.24       | 0.19        | 4.44      | 0.12         | 80.5%                                    |  |
| 256          |              | 0                 | 0.04                                                                 | 2.05       | 0.01       | 0.11        | 0.2       | 0.03         | 0.03        | 1.49       | 0.01       | 0.1         | 0.13      | 0.03         | 72.7%                                    |  |
| 257          |              | 0                 | 0.05                                                                 | 2.03       | 0.01       | 0.07        | 0.28      | 0.03         | 0.04        | 1.53       | 0.01       | 0.07        | 0.2       | 0.03         | 75.4%                                    |  |
| 258          |              | 0                 | 0.15                                                                 | 2.89       | 0.01       | 0.11        | 0.44      | 0.04         | 0.1         | 2.2        | 0.01       | 0.1         | 0.28      | 0.04         | 76.1%                                    |  |
| 259          |              | 0                 | 0.14                                                                 | 2.06       | 0.01       | 0.07        | 0.64      | 0.02         | 0.09        | 1.54       | 0.01       | 0.06        | 0.43      | 0.02         | 74.8%                                    |  |
| 260          |              | 0                 | 0.06                                                                 | 1.9        | 0.02       | 0.05        | 0.5       | 0.02         | 0.04        | 1.49       | 0.02       | 0.05        | 0.36      | 0.02         | 78.4%                                    |  |
| 261          |              | 0                 | 0.41                                                                 | 5.05       | 0.03       | 0.16        | 1.48      | 0.07         | 0.28        | 3.66       | 0.02       | 0.14        | 0.99      | 0.06         | 72.5%                                    |  |
| 262          |              | 0                 | 0.12                                                                 | 4.49       | 0.04       | 0.28        | 0.63      | 0.02         | 0.09        | 3.57       | 0.03       | 0.26        | 0.42      | 0.02         | 79.5%                                    |  |
| 263          |              | 0                 | 0.07                                                                 | 4.12       | 0.03       | 0.23        | 0.33      | 0.09         | 0.05        | 3.14       | 0.02       | 0.21        | 0.29      | 0.09         | 76.2%                                    |  |
| 264          |              | 0                 | 0.06                                                                 | 3.61       | 0.03       | 0.1         | 0.46      | 0.11         | 0.04        | 2.34       | 0.02       | 0.08        | 0.39      | 0.1          | 64.8%                                    |  |
| 265          |              | 0                 | 0.12                                                                 | 4.2        | 0.04       | 0.21        | 0.69      | 0.01         | 0.09        | 3.12       | 0.03       | 0.19        | 0.48      | 0.01         | 74.3%                                    |  |
| 266          |              | 0                 | 0.29                                                                 | 4.41       | 0.04       | 0.16        | 1.3       | 0.01         | 0.18        | 3.56       | 0.03       | 0.14        | 0.94      | 0.01         | 80.7%                                    |  |
| 267          |              | 0                 | 0.09                                                                 | 3.43       | 0.04       | 0.09        | 1.36      | 0.07         | 0.06        | 2.56       | 0.03       | 0.07        | 0.96      | 0.06         | 74.6%                                    |  |
| 268          |              | 0                 | 0.33                                                                 | 9.55       | 0.08       | 0.37        | 3.07      | 0.1          | 0.22        | 7.14       | 0.06       | 0.34        | 2.33      | 0.1          | 74.8%                                    |  |
| 269          |              | 0                 | 0.77                                                                 | 10.15      | 0.11       | 0.5         | 2.77      | 0.02         | 0.5         | 8.38       | 0.08       | 0.44        | 1.8       | 0.02         | 82.6%                                    |  |
| 270          |              | 0                 | 0.7                                                                  | 12.48      | 0.06       | 1.06        | 2.67      | 0.06         | 0.42        | 10.27      | 0.05       | 0.97        | 1.77      | 0.06         | 82.3%                                    |  |
| 271          |              | 0                 | 0.11                                                                 | 8.73       | 0.1        | 0.59        | 1.02      | 0.11         | 0.07        | 7.22       | 0.08       | 0.56        | 0.76      | 0.1          | 82.7%                                    |  |
| 272          |              | 0                 | 0.23                                                                 | 8.08       | 0.09       | 0.17        | 4.07      | 0.6          | 0.16        | 6.62       | 0.07       | 0.15        | 3.09      | 0.58         | 81.9%                                    |  |
| 273          |              | 0                 | 0.54                                                                 | 10.32      | 0.13       | 0.47        | 3.07      | 0.06         | 0.36        | 8.65       | 0.10       | 0.41        | 2.2       | 0.06         | 83.8%                                    |  |
| 274          |              | 0                 | 1.06                                                                 | 11.07      | 0.09       | 0.87        | 3.73      | 0.06         | 0.67        | 9.07       | 0.07       | 0.75        | 2.41      | 0.06         | 81.9%                                    |  |
| 275          |              | 0                 | 0.09                                                                 | 10.63      | 0.08       | 0.91        | 0.86      | 0.08         | 0.05        | 8.62       | 0.06       | 0.87        | 0.61      | 0.08         | 81.1%                                    |  |
| 276          |              | 0                 | 0.22                                                                 | 8.34       | 0.1        | 0.31        | 3.13      | 0.27         | 0.15        | 6.97       | 0.08       | 0.26        | 2.19      | 0.26         | 83.6%                                    |  |
| 0            | 256          | 0                 | 0.12                                                                 | 4.76       | 0.06       | 0.23        | 0.81      | 0.08         | 0.08        | 3.37       | 0.05       | 0.21        | 0.61      | 0.08         | 70.8%                                    |  |
| 1            | 257          | 0                 | 0.17                                                                 | 4.97       | 0.07       | 0.15        | 1.13      | 0.11         | 0.1         | 3.79       | 0.05       | 0.14        | 0.82      | 0.11         | 76.3%                                    |  |
| 2            | 258          | 0                 | 0.81                                                                 | 6.73       | 0.05       | 0.26        | 2.41      | 0.1          | 0.55        | 5.27       | 0.04       | 0.23        | 1.46      | 0.09         | 78.3%                                    |  |
| 3            | 259          | 0                 | 0.57                                                                 | 5.43       | 0.05       | 0.17        | 2.52      | 0.06         | 0.39        | 3.95       | 0.04       | 0.15        | 1.75      | 0.06         | 72.7%                                    |  |
| 4            | 260          | 0                 | 0.19                                                                 | 4.72       | 0.05       | 0.13        | 2.17      | 0.05         | 0.11        | 3.66       | 0.04       | 0.12        | 1.49      | 0.05         | 77.5%                                    |  |
| 5            | 261          | 0                 | 1.23                                                                 | 12.5       | 0.11       | 0.33        | 5.86      | 0.21         | 0.9         | 8.41       | 0.08       | 0.28        | 4.41      | 0.2          | 67.3%                                    |  |
| 6            | 262          | 0                 | 0.34                                                                 | 9.61       | 0.19       | 0.57        | 2.18      | 0.06         | 0.23        | 7.95       | 0.14       | 0.52        | 1.55      | 0.06         | 82.7%                                    |  |
| 7            | 263          | 0                 | 0.31                                                                 | 10.12      | 0.14       | 0.4         | 1.15      | 0.21         | 0.19        | 7.77       | 0.11       | 0.37        | 0.92      | 0.2          | 76.8%                                    |  |
| 8            | 264          | 0                 | 0.21                                                                 | 10.35      | 0.14       | 0.3         | 1.9       | 0.33         | 0.14        | 7.27       | 0.11       | 0.27        | 1.63      | 0.32         | 70.2%                                    |  |
| 9            | 265          | 0                 | 1                                                                    | 10.56      | 0.17       | 0.38        | 4.55      | 0.08         | 0.76        | 8.33       | 0.13       | 0.33        | 3.08      | 0.07         | 78.9%                                    |  |
| 10           | 266          | 0                 | 0.56                                                                 | 9.12       | 0.16       | 0.32        | 2.72      | 0.03         | 0.33        | 7.64       | 0.12       | 0.29        | 2.01      | 0.03         | 83.8%                                    |  |
| 11           | 267          | 0                 | 0.36                                                                 | 12.22      | 0.15       | 0.3         | 3.87      | 0.15         | 0.23        | 9.77       | 0.11       | 0.26        | 2.69      | 0.15         | 80.0%                                    |  |
| 12           | 268          | 0                 | 1.16                                                                 | 28.24      | 0.35       | 0.72        | 17.15     | 0.43         | 0.73        | 20.76      | 0.26       | 0.66        | 14.07     | 0.42         | 73.5%                                    |  |
| 13           | 269          | 0                 | 3.15                                                                 | 26.19      | 0.51       | 1.18        | 9.92      | 0.12         | 2.08        | 23.15      | 0.38       | 1.03        | 6.48      | 0.11         | 88.4%                                    |  |
| 14           | 270          | 0                 | 4.16                                                                 | 26.73      | 0.32       | 2.1         | 15.51     | 0.12         | 2.55        | 22.21      | 0.24       | 1.94        | 10.49     | 0.12         | 83.1%                                    |  |
| 15           | 271          | 0                 | 0.29                                                                 | 25.3       | 0.5        | 1.58        | 4.41      | 0.2          | 0.19        | 22.63      | 0.38       | 1.5         | 2.32      | 0.19         | 89.4%                                    |  |
| 16           | 272          | 0                 | 0.71                                                                 | 29.51      | 0.44       | 0.42        | 13.68     | 1.64         | 0.44        | 23.5       | 0.33       | 0.35        | 10.41     | 1.59         | 79.6%                                    |  |
| 17           | 273          | 0                 | 2.02                                                                 | 24.36      | 0.5        | 0.99        | 15.73     | 0.09         | 1.46        | 20.13      | 0.38       | 0.96        | 12.29     | 0.1          | 82.6%                                    |  |
| 18           | 274          | 0                 | 5.15                                                                 | 25.7       | 0.35       | 1.66        | 18.25     | 0.14         | 3.26        | 21.71      | 0.26       | 1.45        | 12.41     | 0.14         | 84.5%                                    |  |
| 19           | 275          | 0                 | 0.7                                                                  | 25.42      | 0.44       | 1.79        | 3.13      | 0.18         | 0.47        | 22.53      | 0.33       | 1.64        | 1.95      | 0.17         | 88.6%                                    |  |
| 20           | 276          | 0                 | 0.75                                                                 | 26.97      | 0.52       | 0.86        | 12.78     | 0.69         | 0.48        | 21.8       | 0.39       | 0.74        | 8.82      | 0.66         | 80.8%                                    |  |

Table 6-8 PD of Back mmW module (n260) Middle channel

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Open n260 Back module_4cm2 Average Total PD (W/m^2)_High channel |            |            |             |           |              |             |            |            |             |           |              |       |  | Ratio worst<br>surface back<br>(5mm/2mm) |
|--------------|--------------|-------------------|-----------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|-------|--|------------------------------------------|
|              |              |                   | Surface 2mm                                                           |            |            |             |           |              | Surface 5mm |            |            |             |           |              |       |  |                                          |
|              |              |                   | S1<br>front                                                           | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom |       |  |                                          |
| 0            |              | 0                 | 0.02                                                                  | 2          | 0.02       | 0.06        | 0.26      | 0.01         | 0.01        | 1.44       | 0.02       | 0.05        | 0.23      | 0.01         | 72.0% |  |                                          |
| 1            |              | 0                 | 0.09                                                                  | 2.87       | 0.03       | 0.04        | 0.37      | 0.02         | 0.06        | 2.17       | 0.02       | 0.03        | 0.3       | 0.02         | 75.6% |  |                                          |
| 2            |              | 0                 | 0.31                                                                  | 3.08       | 0.02       | 0.05        | 0.99      | 0.01         | 0.22        | 2.43       | 0.02       | 0.04        | 0.56      | 0.01         | 78.9% |  |                                          |
| 3            |              | 0                 | 0.29                                                                  | 2.69       | 0.02       | 0.05        | 1.08      | 0.01         | 0.19        | 2.04       | 0.02       | 0.05        | 0.72      | 0.01         | 75.8% |  |                                          |
| 4            |              | 0                 | 0.08                                                                  | 2.28       | 0.02       | 0.04        | 0.69      | 0.01         | 0.05        | 1.91       | 0.02       | 0.04        | 0.39      | 0.01         | 83.8% |  |                                          |
| 5            |              | 0                 | 0.24                                                                  | 6.4        | 0.05       | 0.12        | 2.02      | 0.02         | 0.18        | 4.35       | 0.04       | 0.12        | 1.53      | 0.02         | 68.0% |  |                                          |
| 6            |              | 0                 | 0.1                                                                   | 4.03       | 0.07       | 0.11        | 0.72      | 0.03         | 0.07        | 3.07       | 0.05       | 0.1         | 0.61      | 0.03         | 76.2% |  |                                          |
| 7            |              | 0                 | 0.09                                                                  | 4.6        | 0.07       | 0.1         | 0.42      | 0.03         | 0.06        | 3.84       | 0.05       | 0.09        | 0.32      | 0.02         | 83.5% |  |                                          |
| 8            |              | 0                 | 0.12                                                                  | 5.67       | 0.06       | 0.13        | 0.86      | 0.03         | 0.08        | 3.83       | 0.05       | 0.11        | 0.79      | 0.03         | 67.5% |  |                                          |
| 9            |              | 0                 | 0.6                                                                   | 5.9        | 0.05       | 0.12        | 2.34      | 0.02         | 0.45        | 4.08       | 0.04       | 0.11        | 1.5       | 0.02         | 69.2% |  |                                          |
| 10           |              | 0                 | 0.09                                                                  | 3.92       | 0.07       | 0.09        | 0.53      | 0.02         | 0.06        | 3.41       | 0.05       | 0.08        | 0.41      | 0.02         | 87.0% |  |                                          |
| 11           |              | 0                 | 0.31                                                                  | 5.91       | 0.06       | 0.12        | 1.77      | 0.02         | 0.18        | 5.02       | 0.05       | 0.1         | 1.3       | 0.02         | 84.9% |  |                                          |
| 12           |              | 0                 | 0.4                                                                   | 11.4       | 0.18       | 0.2         | 5.44      | 0.12         | 0.26        | 8.67       | 0.14       | 0.17        | 4.19      | 0.12         | 76.1% |  |                                          |
| 13           |              | 0                 | 1.2                                                                   | 13.23      | 0.18       | 0.31        | 3.32      | 0.06         | 0.89        | 11.69      | 0.14       | 0.27        | 1.97      | 0.06         | 88.4% |  |                                          |
| 14           |              | 0                 | 1.65                                                                  | 8.17       | 0.15       | 0.27        | 6.18      | 0.03         | 1.06        | 7.35       | 0.11       | 0.26        | 4.38      | 0.03         | 90.0% |  |                                          |
| 15           |              | 0                 | 0.22                                                                  | 14.64      | 0.21       | 0.4         | 1.8       | 0.06         | 0.14        | 13.31      | 0.16       | 0.36        | 1.11      | 0.05         | 90.9% |  |                                          |
| 16           |              | 0                 | 0.26                                                                  | 13.97      | 0.18       | 0.19        | 7.08      | 0.13         | 0.18        | 11.29      | 0.14       | 0.18        | 5.61      | 0.12         | 80.8% |  |                                          |
| 17           |              | 0                 | 0.78                                                                  | 8.69       | 0.18       | 0.2         | 5.71      | 0.04         | 0.59        | 6.88       | 0.14       | 0.19        | 4.21      | 0.04         | 79.2% |  |                                          |
| 18           |              | 0                 | 1.77                                                                  | 10.81      | 0.17       | 0.26        | 5.52      | 0.04         | 1.21        | 9.63       | 0.13       | 0.23        | 3.69      | 0.04         | 89.1% |  |                                          |
| 19           |              | 0                 | 0.81                                                                  | 11.09      | 0.2        | 0.3         | 2.63      | 0.04         | 0.53        | 10.01      | 0.15       | 0.29        | 1.85      | 0.04         | 90.3% |  |                                          |
| 20           |              | 0                 | 0.41                                                                  | 13.77      | 0.23       | 0.29        | 6.65      | 0.08         | 0.27        | 11.47      | 0.17       | 0.25        | 5.07      | 0.08         | 83.3% |  |                                          |
| 256          |              | 0                 | 0.02                                                                  | 1.98       | 0.02       | 0.11        | 0.12      | 0.03         | 0.02        | 1.38       | 0.02       | 0.1         | 0.09      | 0.03         | 69.7% |  |                                          |
| 257          |              | 0                 | 0.03                                                                  | 2.12       | 0.01       | 0.08        | 0.26      | 0.05         | 0.02        | 1.57       | 0.01       | 0.07        | 0.19      | 0.05         | 74.1% |  |                                          |
| 258          |              | 0                 | 0.12                                                                  | 2.74       | 0.02       | 0.12        | 0.47      | 0.03         | 0.08        | 2.12       | 0.02       | 0.11        | 0.31      | 0.03         | 77.4% |  |                                          |
| 259          |              | 0                 | 0.1                                                                   | 2.32       | 0.02       | 0.09        | 0.55      | 0.01         | 0.07        | 1.75       | 0.02       | 0.09        | 0.36      | 0.01         | 75.4% |  |                                          |
| 260          |              | 0                 | 0.04                                                                  | 2.04       | 0.03       | 0.04        | 0.59      | 0.01         | 0.03        | 1.52       | 0.02       | 0.03        | 0.4       | 0.01         | 74.5% |  |                                          |
| 261          |              | 0                 | 0.22                                                                  | 4.85       | 0.04       | 0.2         | 1.32      | 0.04         | 0.16        | 3.37       | 0.03       | 0.17        | 0.96      | 0.04         | 69.5% |  |                                          |
| 262          |              | 0                 | 0.07                                                                  | 4.33       | 0.04       | 0.24        | 0.49      | 0.02         | 0.04        | 3.4        | 0.03       | 0.22        | 0.32      | 0.02         | 78.5% |  |                                          |
| 263          |              | 0                 | 0.07                                                                  | 4.31       | 0.04       | 0.22        | 0.35      | 0.12         | 0.05        | 3.2        | 0.03       | 0.21        | 0.21      | 0.11         | 74.2% |  |                                          |
| 264          |              | 0                 | 0.04                                                                  | 3.89       | 0.02       | 0.11        | 0.42      | 0.15         | 0.03        | 2.43       | 0.02       | 0.1         | 0.35      | 0.14         | 62.5% |  |                                          |
| 265          |              | 0                 | 0.05                                                                  | 3.92       | 0.03       | 0.23        | 0.46      | 0.03         | 0.03        | 3          | 0.02       | 0.19        | 0.35      | 0.02         | 76.5% |  |                                          |
| 266          |              | 0                 | 0.16                                                                  | 4.97       | 0.05       | 0.15        | 1.1       | 0.01         | 0.12        | 4.05       | 0.04       | 0.14        | 0.82      | 0.01         | 81.5% |  |                                          |
| 267          |              | 0                 | 0.13                                                                  | 3.65       | 0.05       | 0.12        | 1.38      | 0.04         | 0.08        | 2.7        | 0.04       | 0.11        | 0.94      | 0.04         | 74.0% |  |                                          |
| 268          |              | 0                 | 0.28                                                                  | 8.03       | 0.1        | 0.29        | 3.41      | 0.07         | 0.18        | 6.49       | 0.08       | 0.27        | 2.76      | 0.06         | 80.8% |  |                                          |
| 269          |              | 0                 | 0.43                                                                  | 9.6        | 0.07       | 0.64        | 2.33      | 0.03         | 0.32        | 7.99       | 0.05       | 0.59        | 1.7       | 0.03         | 83.2% |  |                                          |
| 270          |              | 0                 | 0.64                                                                  | 12.27      | 0.09       | 1.01        | 2.72      | 0.04         | 0.42        | 10.07      | 0.07       | 0.92        | 1.75      | 0.04         | 82.1% |  |                                          |
| 271          |              | 0                 | 0.11                                                                  | 10.39      | 0.11       | 0.79        | 1.34      | 0.13         | 0.07        | 8.68       | 0.08       | 0.76        | 0.95      | 0.12         | 83.5% |  |                                          |
| 272          |              | 0                 | 0.13                                                                  | 7.65       | 0.09       | 0.19        | 3.28      | 0.54         | 0.09        | 4.83       | 0.07       | 0.16        | 2.4       | 0.53         | 63.1% |  |                                          |
| 273          |              | 0                 | 0.38                                                                  | 8.74       | 0.07       | 0.42        | 3.85      | 0.06         | 0.26        | 7.36       | 0.05       | 0.39        | 2.99      | 0.05         | 84.2% |  |                                          |
| 274          |              | 0                 | 0.63                                                                  | 11.28      | 0.08       | 0.85        | 2.21      | 0.05         | 0.45        | 9.36       | 0.06       | 0.75        | 1.42      | 0.05         | 83.0% |  |                                          |
| 275          |              | 0                 | 0.23                                                                  | 12.8       | 0.12       | 1.02        | 1         | 0.1          | 0.14        | 10.75      | 0.09       | 0.97        | 0.7       | 0.1          | 84.0% |  |                                          |
| 276          |              | 0                 | 0.14                                                                  | 7.52       | 0.07       | 0.48        | 2.91      | 0.29         | 0.09        | 6.33       | 0.05       | 0.44        | 1.97      | 0.29         | 84.2% |  |                                          |
| 0            | 256          | 0                 | 0.07                                                                  | 4.46       | 0.06       | 0.26        | 0.57      | 0.04         | 0.05        | 3.11       | 0.05       | 0.23        | 0.47      | 0.04         | 69.7% |  |                                          |
| 1            | 257          | 0                 | 0.19                                                                  | 5.32       | 0.04       | 0.18        | 0.99      | 0.13         | 0.13        | 4.15       | 0.03       | 0.16        | 0.77      | 0.12         | 78.0% |  |                                          |
| 2            | 258          | 0                 | 0.76                                                                  | 6.35       | 0.07       | 0.28        | 2.51      | 0.05         | 0.54        | 5.15       | 0.05       | 0.26        | 1.48      | 0.05         | 81.1% |  |                                          |
| 3            | 259          | 0                 | 0.66                                                                  | 5.75       | 0.05       | 0.2         | 2.73      | 0.03         | 0.44        | 4.26       | 0.04       | 0.18        | 1.72      | 0.03         | 74.1% |  |                                          |
| 4            | 260          | 0                 | 0.15                                                                  | 4.75       | 0.05       | 0.1         | 1.97      | 0.04         | 0.09        | 3.86       | 0.04       | 0.09        | 1.22      | 0.04         | 81.3% |  |                                          |
| 5            | 261          | 0                 | 0.85                                                                  | 12.66      | 0.1        | 0.52        | 5.47      | 0.1          | 0.62        | 8.57       | 0.08       | 0.47        | 4.16      | 0.1          | 67.7% |  |                                          |
| 6            | 262          | 0                 | 0.25                                                                  | 9.02       | 0.15       | 0.53        | 1.83      | 0.07         | 0.16        | 7.12       | 0.11       | 0.49        | 1.44      | 0.07         | 78.9% |  |                                          |
| 7            | 263          | 0                 | 0.26                                                                  | 9.71       | 0.1        | 0.45        | 1.12      | 0.23         | 0.17        | 7.84       | 0.08       | 0.41        | 0.81      | 0.22         | 80.7% |  |                                          |
| 8            | 264          | 0                 | 0.26                                                                  | 10.59      | 0.11       | 0.36        | 1.82      | 0.27         | 0.18        | 8.11       | 0.08       | 0.31        | 1.58      | 0.26         | 76.6% |  |                                          |
| 9            | 265          | 0                 | 0.71                                                                  | 9.26       | 0.1        | 0.55        | 3.45      | 0.05         | 0.52        | 7.46       | 0.08       | 0.49        | 2.54      | 0.05         | 80.6% |  |                                          |
| 10           | 266          | 0                 | 0.3                                                                   | 8.59       | 0.12       | 0.29        | 2.23      | 0.05         | 0.22        | 7.24       | 0.09       | 0.26        | 1.76      | 0.04         | 84.3% |  |                                          |
| 11           | 267          | 0                 | 0.59                                                                  | 11.96      | 0.14       | 0.38        | 4.25      | 0.1          | 0.35        | 9.49       | 0.11       | 0.34        | 3.13      | 0.1          | 79.3% |  |                                          |
| 12           | 268          | 0                 | 1.12                                                                  | 27.19      | 0.3        | 0.62        | 14.26     | 0.31         | 0.74        | 20.69      | 0.23       | 0.54        | 11.29     | 0.31         | 76.1% |  |                                          |
| 13           | 269          | 0                 | 2.73                                                                  | 27         | 0.34       | 1.58        | 8.54      | 0.12         | 2.05        | 24.37      | 0.26       | 1.46        | 5.25      | 0.12         | 90.3% |  |                                          |
| 14           | 270          | 0                 | 4.18                                                                  | 26.76      | 0.32       | 2.11        | 15.96     | 0.09         | 2.69        | 22.44      | 0.24       | 1.96        | 11.04     | 0.09         | 83.9% |  |                                          |
| 15           | 271          | 0                 | 0.44                                                                  | 25.84      | 0.38       | 1.89        | 4.04      | 0.23         | 0.27        | 23.09      | 0.29       | 1.8         | 2.29      | 0.22         | 89.4% |  |                                          |
| 16           | 272          | 0                 | 0.54                                                                  | 27.69      | 0.34       | 0.58        | 15.96     | 1.11         | 0.36        | 23.13      | 0.26       | 0.48        | 12.16     | 1.08         | 83.5% |  |                                          |
| 17           | 273          | 0                 | 1.96                                                                  | 23.42      | 0.31       | 0.93        | 16.2      | 0.15         | 1.44        | 20.35      | 0.23       | 0.91        | 12.86     | 0.14         | 86.9% |  |                                          |
| 18           | 274          | 0                 | 4.38                                                                  | 27.54      | 0.34       | 1.83        | 13.89     | 0.15         | 3.04        | 23.35      | 0.26       | 1.6         | 9.1       | 0.14         | 84.8% |  |                                          |
| 19           | 275          | 0                 | 1.65                                                                  | 24.93      | 0.33       | 1.99        | 5.12      | 0.21         | 1           | 20.7       | 0.25       | 1.93        | 3.66      | 0.2          | 83.0% |  |                                          |
| 20           | 276          | 0                 | 0.77                                                                  | 25.62      | 0.35       | 1.27        | 13.77     | 0.62         | 0.5         | 22.28      | 0.26       | 1.15        | 10.41     | 0.6          | 87.0% |  |                                          |

Table 6-9 PD of Back mmW module (n260) High channel

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Open n261 Back module_4cm2 Average Total PD (W/m^2)_low channel |            |            |             |           |              |             |            |            |             |           |              |                                       |  |
|--------------|--------------|-------------------|----------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|---------------------------------------|--|
|              |              |                   | Surface 2mm                                                          |            |            |             |           |              | Surface 5mm |            |            |             |           |              | 88.7%                                 |  |
|              |              |                   | S1<br>front                                                          | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | Ratio worst surface<br>back (5mm/2mm) |  |
| 0            |              | 0                 | 0.03                                                                 | 1.73       | 0.02       | 0.09        | 0.18      | 0.02         | 0.02        | 1.23       | 0.02       | 0.08        | 0.14      | 0.02         | 71.1%                                 |  |
| 1            |              | 0                 | 0.05                                                                 | 2.43       | 0.02       | 0.09        | 0.3       | 0.02         | 0.03        | 1.73       | 0.02       | 0.08        | 0.23      | 0.01         | 71.2%                                 |  |
| 2            |              | 0                 | 0.13                                                                 | 2.72       | 0.02       | 0.14        | 0.47      | 0.02         | 0.09        | 1.93       | 0.02       | 0.13        | 0.32      | 0.01         | 71.0%                                 |  |
| 3            |              | 0                 | 0.15                                                                 | 2.61       | 0.02       | 0.1         | 0.88      | 0.01         | 0.09        | 1.83       | 0.02       | 0.09        | 0.53      | 0.01         | 70.1%                                 |  |
| 4            |              | 0                 | 0.14                                                                 | 2.19       | 0.02       | 0.12        | 0.79      | 0.01         | 0.09        | 1.49       | 0.02       | 0.11        | 0.49      | 0.01         | 68.0%                                 |  |
| 5            |              | 0                 | 0.37                                                                 | 3.73       | 0.03       | 0.12        | 2.51      | 0.02         | 0.24        | 2.69       | 0.02       | 0.1         | 1.65      | 0.02         | 72.1%                                 |  |
| 6            |              | 0                 | 0.12                                                                 | 6.49       | 0.04       | 0.37        | 1.22      | 0.02         | 0.08        | 4.89       | 0.03       | 0.33        | 1.08      | 0.02         | 75.3%                                 |  |
| 7            |              | 0                 | 0.08                                                                 | 4.97       | 0.06       | 0.29        | 0.32      | 0.02         | 0.06        | 3.92       | 0.05       | 0.27        | 0.22      | 0.01         | 78.9%                                 |  |
| 8            |              | 0                 | 0.5                                                                  | 3.69       | 0.04       | 0.1         | 2.14      | 0.04         | 0.32        | 2.58       | 0.03       | 0.09        | 1.24      | 0.03         | 69.9%                                 |  |
| 9            |              | 0                 | 0.07                                                                 | 3.52       | 0.03       | 0.17        | 0.6       | 0.05         | 0.04        | 2.47       | 0.02       | 0.14        | 0.51      | 0.05         | 70.2%                                 |  |
| 10           |              | 0                 | 0.05                                                                 | 7.25       | 0.05       | 0.32        | 0.41      | 0.02         | 0.04        | 5.54       | 0.04       | 0.29        | 0.36      | 0.02         | 76.4%                                 |  |
| 11           |              | 0                 | 0.28                                                                 | 4.3        | 0.04       | 0.28        | 1.01      | 0.05         | 0.19        | 3.18       | 0.03       | 0.25        | 0.67      | 0.04         | 74.0%                                 |  |
| 12           |              | 0                 | 0.28                                                                 | 9.4        | 0.07       | 0.27        | 5.31      | 0.07         | 0.2         | 7.6        | 0.06       | 0.25        | 4.53      | 0.07         | 80.9%                                 |  |
| 13           |              | 0                 | 0.25                                                                 | 13.21      | 0.15       | 0.59        | 4.6       | 0.06         | 0.17        | 10.33      | 0.12       | 0.48        | 4.22      | 0.05         | 78.2%                                 |  |
| 14           |              | 0                 | 0.19                                                                 | 15.73      | 0.18       | 1.6         | 1.03      | 0.04         | 0.14        | 11.85      | 0.14       | 1.4         | 0.73      | 0.04         | 75.3%                                 |  |
| 15           |              | 0                 | 0.17                                                                 | 14.64      | 0.15       | 1.07        | 0.62      | 0.03         | 0.1         | 11.48      | 0.12       | 1.03        | 0.35      | 0.02         | 78.4%                                 |  |
| 16           |              | 0                 | 1.53                                                                 | 6.52       | 0.06       | 0.34        | 5.52      | 0.1          | 1.04        | 5.22       | 0.05       | 0.32        | 3.3       | 0.09         | 80.1%                                 |  |
| 17           |              | 0                 | 0.23                                                                 | 11.65      | 0.13       | 0.31        | 5.04      | 0.07         | 0.16        | 9.04       | 0.10       | 0.26        | 4.38      | 0.06         | 77.6%                                 |  |
| 18           |              | 0                 | 0.24                                                                 | 14.86      | 0.14       | 1.33        | 2.71      | 0.05         | 0.17        | 11.39      | 0.11       | 1.14        | 2.7       | 0.04         | 76.6%                                 |  |
| 19           |              | 0                 | 0.18                                                                 | 15.41      | 0.18       | 1.51        | 0.54      | 0.03         | 0.11        | 11.51      | 0.14       | 1.37        | 0.46      | 0.03         | 74.7%                                 |  |
| 20           |              | 0                 | 0.67                                                                 | 12.02      | 0.1        | 0.56        | 2.57      | 0.06         | 0.47        | 9.74       | 0.08       | 0.52        | 1.39      | 0.05         | 81.0%                                 |  |
| 256          |              | 0                 | 0.11                                                                 | 2.91       | 0.01       | 0.05        | 0.32      | 0.03         | 0.07        | 2.07       | 0.01       | 0.05        | 0.28      | 0.03         | 71.1%                                 |  |
| 257          |              | 0                 | 0.09                                                                 | 2.8        | 0.02       | 0.04        | 0.25      | 0.02         | 0.06        | 2.01       | 0.02       | 0.03        | 0.21      | 0.02         | 71.8%                                 |  |
| 258          |              | 0                 | 0.06                                                                 | 2.56       | 0.02       | 0.03        | 0.26      | 0.02         | 0.04        | 1.93       | 0.02       | 0.03        | 0.18      | 0.02         | 75.4%                                 |  |
| 259          |              | 0                 | 0.09                                                                 | 2.83       | 0.02       | 0.03        | 0.62      | 0.03         | 0.06        | 2.17       | 0.02       | 0.03        | 0.48      | 0.03         | 76.7%                                 |  |
| 260          |              | 0                 | 0.09                                                                 | 2.38       | 0.02       | 0.05        | 0.63      | 0.04         | 0.05        | 1.85       | 0.02       | 0.04        | 0.47      | 0.04         | 77.7%                                 |  |
| 261          |              | 0                 | 0.13                                                                 | 5.02       | 0.04       | 0.05        | 1.34      | 0.05         | 0.08        | 4.16       | 0.03       | 0.04        | 1.05      | 0.05         | 82.9%                                 |  |
| 262          |              | 0                 | 0.07                                                                 | 5.78       | 0.05       | 0.05        | 0.64      | 0.02         | 0.04        | 4.84       | 0.04       | 0.05        | 0.5       | 0.02         | 83.7%                                 |  |
| 263          |              | 0                 | 0.1                                                                  | 7.01       | 0.04       | 0.11        | 0.17      | 0.03         | 0.07        | 5.61       | 0.03       | 0.1         | 0.12      | 0.03         | 80.0%                                 |  |
| 264          |              | 0                 | 0.27                                                                 | 6.05       | 0.05       | 0.14        | 0.6       | 0.07         | 0.18        | 4.5        | 0.04       | 0.13        | 0.53      | 0.07         | 74.4%                                 |  |
| 265          |              | 0                 | 0.3                                                                  | 4.82       | 0.04       | 0.08        | 0.97      | 0.09         | 0.19        | 3.63       | 0.03       | 0.08        | 0.82      | 0.08         | 75.3%                                 |  |
| 266          |              | 0                 | 0.05                                                                 | 6.53       | 0.05       | 0.09        | 0.28      | 0.02         | 0.03        | 5.33       | 0.04       | 0.08        | 0.26      | 0.02         | 81.6%                                 |  |
| 267          |              | 0                 | 0.28                                                                 | 5.44       | 0.04       | 0.08        | 0.98      | 0.1          | 0.17        | 4.31       | 0.03       | 0.07        | 0.69      | 0.1          | 79.2%                                 |  |
| 268          |              | 0                 | 0.42                                                                 | 10.92      | 0.09       | 0.19        | 5.55      | 0.3          | 0.23        | 8.56       | 0.07       | 0.16        | 4.34      | 0.28         | 78.4%                                 |  |
| 269          |              | 0                 | 0.26                                                                 | 15.37      | 0.16       | 0.19        | 6.11      | 0.05         | 0.16        | 12.72      | 0.13       | 0.15        | 5.07      | 0.04         | 82.8%                                 |  |
| 270          |              | 0                 | 0.1                                                                  | 15.38      | 0.22       | 0.33        | 0.67      | 0.03         | 0.07        | 13.12      | 0.18       | 0.29        | 0.52      | 0.03         | 85.3%                                 |  |
| 271          |              | 0                 | 0.24                                                                 | 15.16      | 0.2        | 0.32        | 0.47      | 0.08         | 0.14        | 13.25      | 0.16       | 0.31        | 0.35      | 0.08         | 87.4%                                 |  |
| 272          |              | 0                 | 1.58                                                                 | 15.06      | 0.1        | 0.42        | 2.87      | 0.42         | 1           | 10.5       | 0.08       | 0.4         | 1.86      | 0.41         | 69.7%                                 |  |
| 273          |              | 0                 | 0.37                                                                 | 14         | 0.13       | 0.15        | 6.07      | 0.09         | 0.22        | 11.37      | 0.10       | 0.11        | 4.93      | 0.09         | 81.2%                                 |  |
| 274          |              | 0                 | 0.2                                                                  | 15.04      | 0.18       | 0.32        | 2.94      | 0.06         | 0.12        | 13.34      | 0.14       | 0.28        | 2.43      | 0.06         | 88.7%                                 |  |
| 275          |              | 0                 | 0.18                                                                 | 14.53      | 0.21       | 0.33        | 0.6       | 0.08         | 0.11        | 12.68      | 0.17       | 0.31        | 0.46      | 0.07         | 87.3%                                 |  |
| 276          |              | 0                 | 0.36                                                                 | 15.7       | 0.21       | 0.27        | 0.68      | 0.09         | 0.22        | 12.8       | 0.17       | 0.26        | 0.48      | 0.08         | 81.5%                                 |  |
| 0            | 256          | 0                 | 0.18                                                                 | 5.48       | 0.05       | 0.2         | 0.74      | 0.06         | 0.12        | 3.98       | 0.04       | 0.19        | 0.63      | 0.06         | 72.6%                                 |  |
| 1            | 257          | 0                 | 0.21                                                                 | 5.51       | 0.05       | 0.18        | 0.63      | 0.05         | 0.14        | 3.87       | 0.04       | 0.17        | 0.49      | 0.05         | 70.2%                                 |  |
| 2            | 258          | 0                 | 0.28                                                                 | 5.66       | 0.04       | 0.21        | 0.88      | 0.07         | 0.19        | 4.1        | 0.03       | 0.19        | 0.66      | 0.06         | 72.4%                                 |  |
| 3            | 259          | 0                 | 0.35                                                                 | 5.75       | 0.05       | 0.17        | 1.95      | 0.05         | 0.22        | 4.13       | 0.04       | 0.14        | 1.27      | 0.05         | 71.8%                                 |  |
| 4            | 260          | 0                 | 0.28                                                                 | 4.71       | 0.04       | 0.25        | 1.97      | 0.05         | 0.18        | 3.44       | 0.03       | 0.24        | 1.22      | 0.05         | 73.0%                                 |  |
| 5            | 261          | 0                 | 0.6                                                                  | 10.64      | 0.08       | 0.19        | 4.88      | 0.1          | 0.39        | 8.01       | 0.06       | 0.16        | 3.5       | 0.1          | 75.3%                                 |  |
| 6            | 262          | 0                 | 0.18                                                                 | 13.18      | 0.08       | 0.52        | 2.57      | 0.05         | 0.13        | 10.18      | 0.06       | 0.48        | 2.21      | 0.05         | 77.2%                                 |  |
| 7            | 263          | 0                 | 0.28                                                                 | 12.19      | 0.15       | 0.56        | 0.67      | 0.07         | 0.21        | 9.75       | 0.12       | 0.51        | 0.39      | 0.06         | 80.0%                                 |  |
| 8            | 264          | 0                 | 1.04                                                                 | 9.07       | 0.11       | 0.28        | 2.87      | 0.12         | 0.68        | 6.81       | 0.09       | 0.27        | 1.96      | 0.11         | 75.1%                                 |  |
| 9            | 265          | 0                 | 0.42                                                                 | 10.7       | 0.11       | 0.31        | 2.26      | 0.17         | 0.28        | 7.93       | 0.09       | 0.26        | 1.87      | 0.16         | 74.1%                                 |  |
| 10           | 266          | 0                 | 0.14                                                                 | 14.59      | 0.12       | 0.47        | 0.9       | 0.04         | 0.09        | 11.26      | 0.10       | 0.42        | 0.78      | 0.04         | 77.2%                                 |  |
| 11           | 267          | 0                 | 0.84                                                                 | 9.89       | 0.12       | 0.45        | 2.57      | 0.17         | 0.54        | 7.59       | 0.10       | 0.42        | 1.6       | 0.16         | 76.7%                                 |  |
| 12           | 268          | 0                 | 0.88                                                                 | 28.05      | 0.17       | 0.51        | 15.71     | 0.52         | 0.64        | 22.09      | 0.14       | 0.48        | 12.8      | 0.5          | 78.8%                                 |  |
| 13           | 269          | 0                 | 0.57                                                                 | 34.89      | 0.35       | 0.95        | 13.86     | 0.1          | 0.36        | 28.11      | 0.28       | 0.79        | 11.66     | 0.09         | 80.6%                                 |  |
| 14           | 270          | 0                 | 0.43                                                                 | 31.61      | 0.48       | 2.57        | 1.65      | 0.07         | 0.28        | 25.27      | 0.38       | 2.27        | 1.22      | 0.06         | 79.9%                                 |  |
| 15           | 271          | 0                 | 0.75                                                                 | 30.61      | 0.49       | 1.83        | 1.45      | 0.15         | 0.44        | 26         | 0.39       | 1.78        | 0.92      | 0.14         | 84.9%                                 |  |
| 16           | 272          | 0                 | 4.36                                                                 | 26.33      | 0.16       | 1.25        | 11.72     | 0.56         | 2.94        | 18.18      | 0.13       | 1.14        | 6.93      | 0.55         | 69.0%                                 |  |
| 17           | 273          | 0                 | 0.79                                                                 | 32.65      | 0.32       | 0.59        | 14.97     | 0.2          | 0.51        | 25.95      | 0.26       | 0.48        | 12.17     | 0.19         | 79.5%                                 |  |
| 18           | 274          | 0                 | 0.41                                                                 | 32.65      | 0.38       | 2.07        | 6.16      | 0.11         | 0.28        | 27.34      | 0.30       | 1.77        | 4.85      | 0.11         | 83.7%                                 |  |
| 19           | 275          | 0                 | 0.58                                                                 | 30.16      | 0.5        | 2.1         | 1.53      | 0.11         | 0.35        | 24.02      | 0.40       | 1.98        | 1.02      | 0.11         | 79.6%                                 |  |
| 20           | 276          | 0                 | 1.54                                                                 | 32.28      | 0.46       | 1.09        | 4.1       | 0.19         | 1.06        | 25.56      | 0.37       | 1.03        | 2.29      | 0.18         | 79.2%                                 |  |

Table 6-10 PD of Back mmW module (n261) Low channel

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Open n261 Back module_4cm2 Average Total PD (W/m^2) Mid channel |            |            |             |           |              |             |            |            |             |           |              |  |       | 89.0%<br>Ratio worst<br>surface back<br>(5mm/2mm) |
|--------------|--------------|-------------------|----------------------------------------------------------------------|------------|------------|-------------|-----------|--------------|-------------|------------|------------|-------------|-----------|--------------|--|-------|---------------------------------------------------|
|              |              |                   | Surface 2mm                                                          |            |            |             |           |              | Surface 5mm |            |            |             |           |              |  |       |                                                   |
|              |              |                   | S1<br>front                                                          | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom | S1<br>front | S2<br>back | S3<br>left | S4<br>right | S5<br>top | S6<br>bottom |  |       |                                                   |
| 0            |              | 0                 | 0.04                                                                 | 1.86       | 0.02       | 0.08        | 0.19      | 0.02         | 0.02        | 1.31       | 0.02       | 0.08        | 0.15      | 0.02         |  | 70.4% |                                                   |
| 1            |              | 0                 | 0.05                                                                 | 2.42       | 0.02       | 0.09        | 0.32      | 0.02         | 0.03        | 1.7        | 0.02       | 0.09        | 0.24      | 0.02         |  | 70.2% |                                                   |
| 2            |              | 0                 | 0.11                                                                 | 2.75       | 0.02       | 0.12        | 0.44      | 0.02         | 0.08        | 1.96       | 0.02       | 0.11        | 0.3       | 0.02         |  | 71.3% |                                                   |
| 3            |              | 0                 | 0.13                                                                 | 2.61       | 0.02       | 0.1         | 0.73      | 0.02         | 0.08        | 1.84       | 0.02       | 0.09        | 0.45      | 0.02         |  | 70.5% |                                                   |
| 4            |              | 0                 | 0.12                                                                 | 2.18       | 0.02       | 0.1         | 0.8       | 0.01         | 0.08        | 1.49       | 0.02       | 0.09        | 0.51      | 0.01         |  | 68.3% |                                                   |
| 5            |              | 0                 | 0.26                                                                 | 3.63       | 0.03       | 0.12        | 2.23      | 0.03         | 0.18        | 2.6        | 0.02       | 0.1         | 1.53      | 0.03         |  | 71.6% |                                                   |
| 6            |              | 0                 | 0.1                                                                  | 6.41       | 0.05       | 0.37        | 0.99      | 0.02         | 0.07        | 4.8        | 0.04       | 0.33        | 0.86      | 0.02         |  | 74.9% |                                                   |
| 7            |              | 0                 | 0.1                                                                  | 5.1        | 0.06       | 0.29        | 0.4       | 0.01         | 0.07        | 3.97       | 0.05       | 0.27        | 0.25      | 0.01         |  | 77.8% |                                                   |
| 8            |              | 0                 | 0.42                                                                 | 3.74       | 0.04       | 0.15        | 1.85      | 0.05         | 0.28        | 2.66       | 0.03       | 0.12        | 1.08      | 0.05         |  | 71.1% |                                                   |
| 9            |              | 0                 | 0.06                                                                 | 3.91       | 0.04       | 0.19        | 0.65      | 0.05         | 0.04        | 2.67       | 0.03       | 0.17        | 0.57      | 0.04         |  | 68.3% |                                                   |
| 10           |              | 0                 | 0.05                                                                 | 7.29       | 0.04       | 0.35        | 0.4       | 0.02         | 0.04        | 5.56       | 0.03       | 0.32        | 0.34      | 0.02         |  | 76.3% |                                                   |
| 11           |              | 0                 | 0.24                                                                 | 4.35       | 0.03       | 0.26        | 1         | 0.05         | 0.18        | 3.2        | 0.02       | 0.24        | 0.65      | 0.05         |  | 73.6% |                                                   |
| 12           |              | 0                 | 0.25                                                                 | 9.16       | 0.08       | 0.3         | 5.1       | 0.1          | 0.18        | 7.27       | 0.06       | 0.28        | 4.3       | 0.09         |  | 79.4% |                                                   |
| 13           |              | 0                 | 0.25                                                                 | 13.43      | 0.15       | 0.59        | 4.16      | 0.05         | 0.16        | 10.32      | 0.12       | 0.5         | 3.78      | 0.05         |  | 76.8% |                                                   |
| 14           |              | 0                 | 0.18                                                                 | 16.19      | 0.19       | 1.58        | 1.12      | 0.03         | 0.13        | 12.15      | 0.15       | 1.39        | 0.77      | 0.03         |  | 75.0% |                                                   |
| 15           |              | 0                 | 0.19                                                                 | 14.61      | 0.14       | 1.02        | 0.63      | 0.02         | 0.12        | 11.41      | 0.11       | 0.95        | 0.39      | 0.02         |  | 78.1% |                                                   |
| 16           |              | 0                 | 1.32                                                                 | 6.65       | 0.05       | 0.38        | 5.23      | 0.09         | 0.91        | 5.28       | 0.04       | 0.35        | 3.09      | 0.09         |  | 79.4% |                                                   |
| 17           |              | 0                 | 0.21                                                                 | 11.58      | 0.14       | 0.28        | 4.75      | 0.07         | 0.14        | 8.84       | 0.11       | 0.24        | 4.11      | 0.06         |  | 76.3% |                                                   |
| 18           |              | 0                 | 0.26                                                                 | 15.5       | 0.17       | 1.42        | 2.38      | 0.04         | 0.18        | 11.71      | 0.14       | 1.24        | 2.33      | 0.03         |  | 75.5% |                                                   |
| 19           |              | 0                 | 0.19                                                                 | 15.74      | 0.17       | 1.57        | 0.52      | 0.03         | 0.13        | 11.6       | 0.14       | 1.34        | 0.42      | 0.03         |  | 73.7% |                                                   |
| 20           |              | 0                 | 0.78                                                                 | 12.07      | 0.09       | 0.55        | 3.02      | 0.05         | 0.56        | 9.76       | 0.07       | 0.5         | 1.69      | 0.05         |  | 80.9% |                                                   |
| 256          |              | 0                 | 0.09                                                                 | 2.96       | 0.01       | 0.06        | 0.32      | 0.03         | 0.06        | 2.17       | 0.01       | 0.05        | 0.3       | 0.03         |  | 73.3% |                                                   |
| 257          |              | 0                 | 0.11                                                                 | 2.81       | 0.02       | 0.04        | 0.25      | 0.03         | 0.07        | 2.03       | 0.02       | 0.03        | 0.2       | 0.03         |  | 72.2% |                                                   |
| 258          |              | 0                 | 0.07                                                                 | 2.64       | 0.02       | 0.03        | 0.3       | 0.03         | 0.05        | 2.04       | 0.02       | 0.02        | 0.22      | 0.02         |  | 77.3% |                                                   |
| 259          |              | 0                 | 0.13                                                                 | 2.77       | 0.02       | 0.03        | 0.63      | 0.03         | 0.08        | 2.17       | 0.02       | 0.02        | 0.48      | 0.03         |  | 78.3% |                                                   |
| 260          |              | 0                 | 0.16                                                                 | 2.31       | 0.02       | 0.06        | 0.67      | 0.03         | 0.1         | 1.8        | 0.02       | 0.05        | 0.5       | 0.03         |  | 77.9% |                                                   |
| 261          |              | 0                 | 0.17                                                                 | 5.06       | 0.04       | 0.05        | 1.43      | 0.07         | 0.11        | 4.2        | 0.03       | 0.05        | 1.13      | 0.07         |  | 83.0% |                                                   |
| 262          |              | 0                 | 0.07                                                                 | 5.82       | 0.05       | 0.05        | 0.73      | 0.04         | 0.05        | 4.99       | 0.04       | 0.04        | 0.56      | 0.04         |  | 85.7% |                                                   |
| 263          |              | 0                 | 0.09                                                                 | 6.99       | 0.04       | 0.13        | 0.19      | 0.03         | 0.06        | 5.68       | 0.03       | 0.12        | 0.15      | 0.02         |  | 81.3% |                                                   |
| 264          |              | 0                 | 0.24                                                                 | 5.89       | 0.04       | 0.13        | 0.59      | 0.06         | 0.15        | 4.48       | 0.03       | 0.12        | 0.53      | 0.06         |  | 76.1% |                                                   |
| 265          |              | 0                 | 0.3                                                                  | 4.75       | 0.04       | 0.09        | 0.94      | 0.11         | 0.18        | 3.72       | 0.03       | 0.08        | 0.8       | 0.1          |  | 78.3% |                                                   |
| 266          |              | 0                 | 0.06                                                                 | 6.68       | 0.05       | 0.1         | 0.29      | 0.03         | 0.04        | 5.49       | 0.04       | 0.09        | 0.25      | 0.03         |  | 82.2% |                                                   |
| 267          |              | 0                 | 0.41                                                                 | 5.17       | 0.04       | 0.1         | 1.21      | 0.09         | 0.27        | 4.16       | 0.03       | 0.09        | 0.8       | 0.08         |  | 80.5% |                                                   |
| 268          |              | 0                 | 0.67                                                                 | 10.23      | 0.09       | 0.19        | 5.82      | 0.38         | 0.38        | 8.08       | 0.07       | 0.18        | 4.56      | 0.36         |  | 79.0% |                                                   |
| 269          |              | 0                 | 0.31                                                                 | 15.2       | 0.16       | 0.2         | 5.98      | 0.07         | 0.2         | 12.75      | 0.13       | 0.16        | 4.85      | 0.07         |  | 83.9% |                                                   |
| 270          |              | 0                 | 0.15                                                                 | 15.65      | 0.21       | 0.36        | 0.72      | 0.02         | 0.09        | 13.46      | 0.17       | 0.32        | 0.54      | 0.02         |  | 86.0% |                                                   |
| 271          |              | 0                 | 0.25                                                                 | 15.2       | 0.22       | 0.32        | 0.51      | 0.07         | 0.15        | 13.4       | 0.18       | 0.31        | 0.39      | 0.07         |  | 88.2% |                                                   |
| 272          |              | 0                 | 1.88                                                                 | 14.04      | 0.11       | 0.37        | 3.53      | 0.36         | 1.22        | 9.84       | 0.09       | 0.34        | 2.31      | 0.35         |  | 70.1% |                                                   |
| 273          |              | 0                 | 0.51                                                                 | 13.5       | 0.15       | 0.15        | 5.89      | 0.13         | 0.32        | 11.05      | 0.12       | 0.12        | 4.68      | 0.12         |  | 81.9% |                                                   |
| 274          |              | 0                 | 0.23                                                                 | 15.42      | 0.16       | 0.36        | 3.11      | 0.07         | 0.14        | 13.72      | 0.13       | 0.31        | 2.47      | 0.07         |  | 89.0% |                                                   |
| 275          |              | 0                 | 0.2                                                                  | 14.67      | 0.23       | 0.34        | 0.64      | 0.08         | 0.13        | 12.9       | 0.18       | 0.33        | 0.51      | 0.07         |  | 87.9% |                                                   |
| 276          |              | 0                 | 0.47                                                                 | 15.52      | 0.19       | 0.25        | 0.95      | 0.07         | 0.29        | 12.84      | 0.15       | 0.23        | 0.64      | 0.06         |  | 82.7% |                                                   |
| 0            | 256          | 0                 | 0.15                                                                 | 5.4        | 0.06       | 0.18        | 0.79      | 0.05         | 0.11        | 3.96       | 0.05       | 0.18        | 0.69      | 0.05         |  | 73.3% |                                                   |
| 1            | 257          | 0                 | 0.22                                                                 | 5.47       | 0.05       | 0.19        | 0.65      | 0.06         | 0.15        | 3.89       | 0.04       | 0.17        | 0.5       | 0.05         |  | 71.1% |                                                   |
| 2            | 258          | 0                 | 0.26                                                                 | 5.73       | 0.05       | 0.19        | 0.83      | 0.07         | 0.18        | 4.17       | 0.04       | 0.17        | 0.65      | 0.06         |  | 72.8% |                                                   |
| 3            | 259          | 0                 | 0.37                                                                 | 5.62       | 0.05       | 0.18        | 1.83      | 0.06         | 0.25        | 4.21       | 0.04       | 0.16        | 1.19      | 0.06         |  | 74.9% |                                                   |
| 4            | 260          | 0                 | 0.37                                                                 | 4.59       | 0.05       | 0.25        | 2.18      | 0.06         | 0.23        | 3.38       | 0.04       | 0.23        | 1.33      | 0.06         |  | 73.6% |                                                   |
| 5            | 261          | 0                 | 0.53                                                                 | 10.47      | 0.08       | 0.21        | 4.72      | 0.14         | 0.36        | 8.02       | 0.06       | 0.18        | 3.65      | 0.13         |  | 76.6% |                                                   |
| 6            | 262          | 0                 | 0.21                                                                 | 13.29      | 0.1        | 0.49        | 2.25      | 0.06         | 0.13        | 10.36      | 0.08       | 0.45        | 1.94      | 0.06         |  | 78.0% |                                                   |
| 7            | 263          | 0                 | 0.3                                                                  | 12.58      | 0.15       | 0.57        | 0.82      | 0.06         | 0.21        | 10.01      | 0.12       | 0.53        | 0.47      | 0.06         |  | 79.6% |                                                   |
| 8            | 264          | 0                 | 0.84                                                                 | 9.48       | 0.1        | 0.33        | 2.58      | 0.15         | 0.57        | 7.21       | 0.08       | 0.31        | 1.78      | 0.14         |  | 76.1% |                                                   |
| 9            | 265          | 0                 | 0.41                                                                 | 10.81      | 0.1        | 0.41        | 2.32      | 0.16         | 0.26        | 7.82       | 0.08       | 0.35        | 1.94      | 0.15         |  | 72.3% |                                                   |
| 10           | 266          | 0                 | 0.17                                                                 | 15.02      | 0.12       | 0.46        | 0.99      | 0.05         | 0.12        | 11.63      | 0.10       | 0.42        | 0.83      | 0.05         |  | 77.4% |                                                   |
| 11           | 267          | 0                 | 0.95                                                                 | 9.93       | 0.11       | 0.47        | 2.83      | 0.16         | 0.64        | 7.67       | 0.09       | 0.41        | 1.73      | 0.16         |  | 77.2% |                                                   |
| 12           | 268          | 0                 | 1.04                                                                 | 26.84      | 0.22       | 0.6         | 16.18     | 0.54         | 0.71        | 21.25      | 0.18       | 0.56        | 13.3      | 0.52         |  | 79.2% |                                                   |
| 13           | 269          | 0                 | 0.7                                                                  | 34.63      | 0.41       | 0.95        | 12.79     | 0.1          | 0.42        | 27.49      | 0.33       | 0.8         | 10.86     | 0.1          |  | 79.4% |                                                   |
| 14           | 270          | 0                 | 0.44                                                                 | 32.62      | 0.45       | 2.62        | 1.74      | 0.06         | 0.29        | 25.71      | 0.36       | 2.31        | 1.33      | 0.06         |  | 78.8% |                                                   |
| 15           | 271          | 0                 | 0.81                                                                 | 31.05      | 0.48       | 1.76        | 1.44      | 0.13         | 0.48        | 26.56      | 0.38       | 1.68        | 0.96      | 0.12         |  | 85.5% |                                                   |
| 16           | 272          | 0                 | 4.38                                                                 | 26.89      | 0.19       | 1.22        | 12.3      | 0.58         | 3.03        | 18.68      | 0.15       | 1.12        | 7.18      | 0.58         |  | 69.5% |                                                   |
| 17           | 273          | 0                 | 0.92                                                                 | 31.67      | 0.38       | 0.58        | 14.16     | 0.21         | 0.57        | 25.02      | 0.30       | 0.45        | 11.64     | 0.2          |  | 79.0% |                                                   |
| 18           | 274          | 0                 | 0.47                                                                 | 33.26      | 0.41       | 2.37        | 5.82      | 0.1          | 0.34        | 27.14      | 0.33       | 2.03        | 4.46      | 0.09         |  | 81.6% |                                                   |
| 19           | 275          | 0                 | 0.66                                                                 | 30.76      | 0.49       | 2.24        | 1.56      | 0.12         | 0.4         | 24.7       | 0.39       | 1.97        | 1.04      | 0.11         |  | 80.3% |                                                   |
| 20           | 276          | 0                 | 1.83                                                                 | 32.43      | 0.43       | 1.04        | 4.93      | 0.15         | 1.28        | 26.04      | 0.34       | 0.98        | 2.77      | 0.15         |  | 80.3% |                                                   |

Table 6-11 PD of Back mmW module (n261) Middle channel

| Beam ID<br>1 | Beam ID<br>2 | Antenna<br>Module | Flip Open n261 Back module_4cm2 Average Total PD (W/m^2)_ High channel |       |      |       |       |        |             |       |      |       |       |        |                                          |  |
|--------------|--------------|-------------------|------------------------------------------------------------------------|-------|------|-------|-------|--------|-------------|-------|------|-------|-------|--------|------------------------------------------|--|
|              |              |                   | Surface 2mm                                                            |       |      |       |       |        | Surface 5mm |       |      |       |       |        | 88.8%                                    |  |
|              |              |                   | S1                                                                     | S2    | S3   | S4    | S5    | S6     | S1          | S2    | S3   | S4    | S5    | S6     | Ratio worst<br>surface back<br>(5mm/2mm) |  |
|              |              |                   | front                                                                  | back  | left | right | top   | bottom | front       | back  | left | right | top   | bottom |                                          |  |
| 0            |              | 0                 | 0.04                                                                   | 1.82  | 0.02 | 0.08  | 0.2   | 0.02   | 0.02        | 1.24  | 0.02 | 0.08  | 0.16  | 0.02   | 68.1%                                    |  |
| 1            |              | 0                 | 0.05                                                                   | 2.5   | 0.02 | 0.11  | 0.33  | 0.02   | 0.03        | 1.69  | 0.02 | 0.09  | 0.24  | 0.02   | 67.6%                                    |  |
| 2            |              | 0                 | 0.1                                                                    | 2.71  | 0.03 | 0.11  | 0.37  | 0.01   | 0.07        | 1.91  | 0.02 | 0.1   | 0.26  | 0.01   | 70.5%                                    |  |
| 3            |              | 0                 | 0.14                                                                   | 2.55  | 0.02 | 0.1   | 0.72  | 0.02   | 0.09        | 1.79  | 0.02 | 0.09  | 0.43  | 0.02   | 70.2%                                    |  |
| 4            |              | 0                 | 0.16                                                                   | 2.17  | 0.02 | 0.08  | 0.8   | 0.01   | 0.1         | 1.5   | 0.02 | 0.07  | 0.49  | 0.01   | 69.1%                                    |  |
| 5            |              | 0                 | 0.27                                                                   | 3.5   | 0.03 | 0.11  | 2.05  | 0.04   | 0.18        | 2.51  | 0.02 | 0.09  | 1.41  | 0.04   | 71.7%                                    |  |
| 6            |              | 0                 | 0.09                                                                   | 6.3   | 0.05 | 0.35  | 0.79  | 0.02   | 0.06        | 4.7   | 0.04 | 0.32  | 0.65  | 0.02   | 74.6%                                    |  |
| 7            |              | 0                 | 0.1                                                                    | 5.04  | 0.06 | 0.31  | 0.41  | 0.01   | 0.07        | 3.81  | 0.05 | 0.29  | 0.26  | 0.01   | 75.6%                                    |  |
| 8            |              | 0                 | 0.41                                                                   | 3.6   | 0.04 | 0.17  | 1.75  | 0.06   | 0.27        | 2.55  | 0.03 | 0.14  | 1.02  | 0.05   | 70.8%                                    |  |
| 9            |              | 0                 | 0.06                                                                   | 4.16  | 0.03 | 0.19  | 0.68  | 0.05   | 0.05        | 2.75  | 0.02 | 0.16  | 0.58  | 0.04   | 66.1%                                    |  |
| 10           |              | 0                 | 0.06                                                                   | 7.31  | 0.05 | 0.36  | 0.39  | 0.01   | 0.05        | 5.48  | 0.04 | 0.32  | 0.3   | 0.01   | 75.0%                                    |  |
| 11           |              | 0                 | 0.23                                                                   | 4.53  | 0.03 | 0.24  | 0.91  | 0.05   | 0.16        | 3.34  | 0.02 | 0.21  | 0.57  | 0.04   | 73.7%                                    |  |
| 12           |              | 0                 | 0.27                                                                   | 9.03  | 0.09 | 0.3   | 4.73  | 0.11   | 0.19        | 6.94  | 0.07 | 0.27  | 3.92  | 0.1    | 76.9%                                    |  |
| 13           |              | 0                 | 0.22                                                                   | 13.49 | 0.14 | 0.62  | 3.75  | 0.05   | 0.15        | 10.19 | 0.11 | 0.53  | 3.22  | 0.04   | 75.5%                                    |  |
| 14           |              | 0                 | 0.18                                                                   | 16.37 | 0.2  | 1.52  | 1.19  | 0.02   | 0.13        | 12.14 | 0.16 | 1.33  | 0.86  | 0.02   | 74.2%                                    |  |
| 15           |              | 0                 | 0.22                                                                   | 14.29 | 0.13 | 1.05  | 0.86  | 0.02   | 0.15        | 10.96 | 0.10 | 0.95  | 0.51  | 0.02   | 76.7%                                    |  |
| 16           |              | 0                 | 1.3                                                                    | 7     | 0.06 | 0.33  | 4.96  | 0.12   | 0.87        | 5.45  | 0.05 | 0.3   | 2.92  | 0.11   | 77.9%                                    |  |
| 17           |              | 0                 | 0.25                                                                   | 11.59 | 0.14 | 0.29  | 4.34  | 0.06   | 0.16        | 8.64  | 0.11 | 0.24  | 3.65  | 0.06   | 74.5%                                    |  |
| 18           |              | 0                 | 0.26                                                                   | 15.81 | 0.18 | 1.45  | 2.49  | 0.03   | 0.18        | 11.82 | 0.14 | 1.27  | 2.41  | 0.03   | 74.8%                                    |  |
| 19           |              | 0                 | 0.19                                                                   | 15.84 | 0.2  | 1.63  | 0.53  | 0.02   | 0.13        | 11.65 | 0.16 | 1.37  | 0.4   | 0.02   | 73.5%                                    |  |
| 20           |              | 0                 | 1.1                                                                    | 11.68 | 0.09 | 0.61  | 3.54  | 0.06   | 0.77        | 9.21  | 0.07 | 0.56  | 2     | 0.05   | 78.9%                                    |  |
| 256          |              | 0                 | 0.06                                                                   | 2.77  | 0.02 | 0.08  | 0.27  | 0.03   | 0.04        | 2.04  | 0.02 | 0.07  | 0.25  | 0.03   | 73.6%                                    |  |
| 257          |              | 0                 | 0.11                                                                   | 2.72  | 0.02 | 0.05  | 0.21  | 0.04   | 0.07        | 2     | 0.02 | 0.04  | 0.18  | 0.03   | 73.5%                                    |  |
| 258          |              | 0                 | 0.1                                                                    | 2.64  | 0.02 | 0.03  | 0.35  | 0.03   | 0.07        | 2.05  | 0.02 | 0.03  | 0.26  | 0.03   | 77.7%                                    |  |
| 259          |              | 0                 | 0.22                                                                   | 2.61  | 0.02 | 0.03  | 0.71  | 0.03   | 0.14        | 2.08  | 0.02 | 0.03  | 0.46  | 0.03   | 79.7%                                    |  |
| 260          |              | 0                 | 0.22                                                                   | 2.19  | 0.02 | 0.06  | 0.73  | 0.04   | 0.14        | 1.68  | 0.02 | 0.05  | 0.46  | 0.03   | 76.7%                                    |  |
| 261          |              | 0                 | 0.29                                                                   | 4.96  | 0.04 | 0.06  | 1.48  | 0.09   | 0.2         | 4.1   | 0.03 | 0.05  | 1.17  | 0.08   | 82.7%                                    |  |
| 262          |              | 0                 | 0.1                                                                    | 5.64  | 0.05 | 0.05  | 0.75  | 0.05   | 0.06        | 4.87  | 0.04 | 0.05  | 0.6   | 0.05   | 86.3%                                    |  |
| 263          |              | 0                 | 0.09                                                                   | 6.71  | 0.04 | 0.16  | 0.24  | 0.03   | 0.06        | 5.42  | 0.03 | 0.14  | 0.17  | 0.03   | 80.8%                                    |  |
| 264          |              | 0                 | 0.2                                                                    | 5.48  | 0.04 | 0.14  | 0.51  | 0.06   | 0.13        | 4.17  | 0.03 | 0.13  | 0.47  | 0.06   | 76.1%                                    |  |
| 265          |              | 0                 | 0.24                                                                   | 4.32  | 0.04 | 0.11  | 0.73  | 0.12   | 0.16        | 3.43  | 0.03 | 0.1   | 0.61  | 0.11   | 79.4%                                    |  |
| 266          |              | 0                 | 0.07                                                                   | 6.5   | 0.04 | 0.12  | 0.3   | 0.03   | 0.05        | 5.34  | 0.03 | 0.11  | 0.25  | 0.03   | 82.2%                                    |  |
| 267          |              | 0                 | 0.6                                                                    | 4.82  | 0.04 | 0.12  | 1.52  | 0.09   | 0.4         | 3.9   | 0.03 | 0.11  | 0.96  | 0.08   | 80.9%                                    |  |
| 268          |              | 0                 | 0.89                                                                   | 9.2   | 0.12 | 0.25  | 5.38  | 0.45   | 0.55        | 7.08  | 0.10 | 0.24  | 4.21  | 0.42   | 77.0%                                    |  |
| 269          |              | 0                 | 0.35                                                                   | 14.02 | 0.15 | 0.23  | 5.53  | 0.1    | 0.22        | 11.91 | 0.12 | 0.19  | 4.61  | 0.09   | 85.0%                                    |  |
| 270          |              | 0                 | 0.2                                                                    | 15.35 | 0.19 | 0.41  | 0.62  | 0.02   | 0.13        | 13.28 | 0.15 | 0.37  | 0.49  | 0.02   | 86.5%                                    |  |
| 271          |              | 0                 | 0.27                                                                   | 14.9  | 0.22 | 0.34  | 0.56  | 0.05   | 0.19        | 13.16 | 0.18 | 0.31  | 0.42  | 0.05   | 88.3%                                    |  |
| 272          |              | 0                 | 2.3                                                                    | 12.59 | 0.1  | 0.28  | 4.26  | 0.34   | 1.53        | 8.88  | 0.08 | 0.29  | 2.77  | 0.33   | 70.5%                                    |  |
| 273          |              | 0                 | 0.6                                                                    | 11.96 | 0.15 | 0.2   | 5.26  | 0.17   | 0.4         | 9.92  | 0.12 | 0.16  | 4.29  | 0.16   | 82.9%                                    |  |
| 274          |              | 0                 | 0.21                                                                   | 15.2  | 0.16 | 0.41  | 2.71  | 0.06   | 0.13        | 13.5  | 0.13 | 0.34  | 2.17  | 0.06   | 88.8%                                    |  |
| 275          |              | 0                 | 0.19                                                                   | 14.38 | 0.23 | 0.34  | 0.63  | 0.06   | 0.12        | 12.69 | 0.18 | 0.32  | 0.53  | 0.06   | 88.2%                                    |  |
| 276          |              | 0                 | 0.58                                                                   | 14.96 | 0.17 | 0.3   | 1.23  | 0.07   | 0.36        | 12.51 | 0.14 | 0.25  | 0.77  | 0.06   | 83.6%                                    |  |
| 0            | 256          | 0                 | 0.11                                                                   | 4.99  | 0.07 | 0.23  | 0.75  | 0.05   | 0.08        | 3.65  | 0.06 | 0.22  | 0.66  | 0.04   | 73.1%                                    |  |
| 1            | 257          | 0                 | 0.22                                                                   | 5.49  | 0.04 | 0.23  | 0.61  | 0.05   | 0.15        | 3.88  | 0.03 | 0.18  | 0.46  | 0.05   | 70.7%                                    |  |
| 2            | 258          | 0                 | 0.31                                                                   | 5.63  | 0.06 | 0.19  | 0.83  | 0.05   | 0.21        | 4.02  | 0.05 | 0.17  | 0.59  | 0.05   | 71.4%                                    |  |
| 3            | 259          | 0                 | 0.51                                                                   | 5.56  | 0.06 | 0.22  | 1.92  | 0.07   | 0.35        | 4.13  | 0.05 | 0.19  | 1.22  | 0.06   | 74.3%                                    |  |
| 4            | 260          | 0                 | 0.52                                                                   | 4.51  | 0.05 | 0.23  | 2.27  | 0.08   | 0.32        | 3.25  | 0.04 | 0.2   | 1.36  | 0.07   | 72.1%                                    |  |
| 5            | 261          | 0                 | 0.7                                                                    | 10.21 | 0.1  | 0.21  | 4.76  | 0.18   | 0.48        | 7.75  | 0.08 | 0.18  | 3.59  | 0.17   | 75.9%                                    |  |
| 6            | 262          | 0                 | 0.27                                                                   | 12.9  | 0.12 | 0.48  | 1.87  | 0.08   | 0.17        | 10.01 | 0.10 | 0.44  | 1.56  | 0.07   | 77.6%                                    |  |
| 7            | 263          | 0                 | 0.28                                                                   | 12.47 | 0.15 | 0.61  | 0.88  | 0.07   | 0.2         | 9.81  | 0.12 | 0.58  | 0.5   | 0.07   | 78.7%                                    |  |
| 8            | 264          | 0                 | 0.8                                                                    | 9.24  | 0.1  | 0.37  | 2.72  | 0.17   | 0.55        | 6.94  | 0.08 | 0.35  | 1.76  | 0.16   | 75.1%                                    |  |
| 9            | 265          | 0                 | 0.34                                                                   | 10.75 | 0.1  | 0.45  | 2.12  | 0.16   | 0.23        | 7.37  | 0.08 | 0.39  | 1.8   | 0.15   | 68.6%                                    |  |
| 10           | 266          | 0                 | 0.2                                                                    | 14.88 | 0.12 | 0.53  | 1.07  | 0.04   | 0.15        | 11.44 | 0.10 | 0.45  | 0.89  | 0.04   | 76.9%                                    |  |
| 11           | 267          | 0                 | 1.2                                                                    | 9.79  | 0.11 | 0.49  | 3.02  | 0.16   | 0.8         | 7.45  | 0.09 | 0.43  | 1.85  | 0.15   | 76.1%                                    |  |
| 12           | 268          | 0                 | 1.29                                                                   | 25.54 | 0.27 | 0.61  | 15.24 | 0.62   | 0.86        | 19.63 | 0.22 | 0.57  | 12.42 | 0.58   | 76.9%                                    |  |
| 13           | 269          | 0                 | 0.8                                                                    | 33.13 | 0.45 | 1.04  | 11.44 | 0.13   | 0.48        | 26    | 0.36 | 0.88  | 9.65  | 0.12   | 78.5%                                    |  |
| 14           | 270          | 0                 | 0.45                                                                   | 32.84 | 0.45 | 2.67  | 1.75  | 0.06   | 0.31        | 25.55 | 0.36 | 2.35  | 1.5   | 0.06   | 77.8%                                    |  |
| 15           | 271          | 0                 | 0.77                                                                   | 30.93 | 0.51 | 1.76  | 1.71  | 0.12   | 0.5         | 26.41 | 0.41 | 1.59  | 1.1   | 0.11   | 85.4%                                    |  |
| 16           | 272          | 0                 | 5.15                                                                   | 26.67 | 0.23 | 0.91  | 12.97 | 0.61   | 3.51        | 18.45 | 0.18 | 0.86  | 7.8   | 0.6    | 69.2%                                    |  |
| 17           | 273          | 0                 | 1.05                                                                   | 29.65 | 0.42 | 0.57  | 12.3  | 0.22   | 0.65        | 22.94 | 0.34 | 0.47  | 10.05 | 0.21   | 77.4%                                    |  |
| 18           | 274          | 0                 | 0.49                                                                   | 33.04 | 0.46 | 2.59  | 5.22  | 0.08   | 0.35        | 26.38 | 0.37 | 2.22  | 4.27  | 0.08   | 79.8%                                    |  |
| 19           | 275          | 0                 | 0.68                                                                   | 30.7  | 0.55 | 2.44  | 1.46  | 0.1    | 0.41        | 25.04 | 0.44 | 2.12  | 1.14  | 0.09   | 81.6%                                    |  |
| 20           | 276          | 0                 | 2.51                                                                   | 31.16 | 0.38 | 1.09  | 5.77  | 0.16   | 1.71        | 25.08 | 0.30 | 1     | 3.45  | 0.15   | 80.5%                                    |  |

Table 6-12 PD of Back mmW module (n261) High channel