FCC ID: A3LSMF946U

Power Density Simulation Report

Revision A

May 11, 2023

SAMSUNG ELECTRONICS

1. Simulation methodology for Power Density (PD)

1.1 Simulation tool

1.1.1 Tool description

For the simulation approach to calculating power density (PD) evaluation for mobile phone with mmWave antenna modules, ANSYS Electromagnetics suite version 2022.R2 (HFSS) is used. ANSYS HFSS is one of several commercial tools for 3D full-wave electromagnetic simulation used for antenna and RF structure design of high frequency component. ANSYS Electromagnetics suite version 2021.R2 (HFSS) is implemented based on Finite Element Method (FEM), which operates in the frequency domain.

1.1.2 Mesh and Convergence criteria

To solve the PD analysis using FEM, volume area containing simulated objects should be subdivided into electrically small parts that are called finite elements as the unknown functions. To subdivide system, the adaptive mesh technique in ANSYS Electromagnetics suite version 2021.R2 (HFSS) is used. ANSYS Electromagnetics suite version 2021.R2 (HFSS) starts to refine the initial mesh based on wavelength and calculate the error to iterative process for adaptive mesh refinement. The determination parameter of the number of iteration in ANSYS Electromagnetics suite version 2021.R2 (HFSS) is defined as convergence criteria, delta S, and the iterative adaptive mesh process repeats until the delta S is met. In ANSYS Electromagnetics suite version 2021.R2 (HFSS), the accuracy of converged results depends on the delta S. Figure 1 is an example of final adaptive mesh of the device (cross-section of top view).

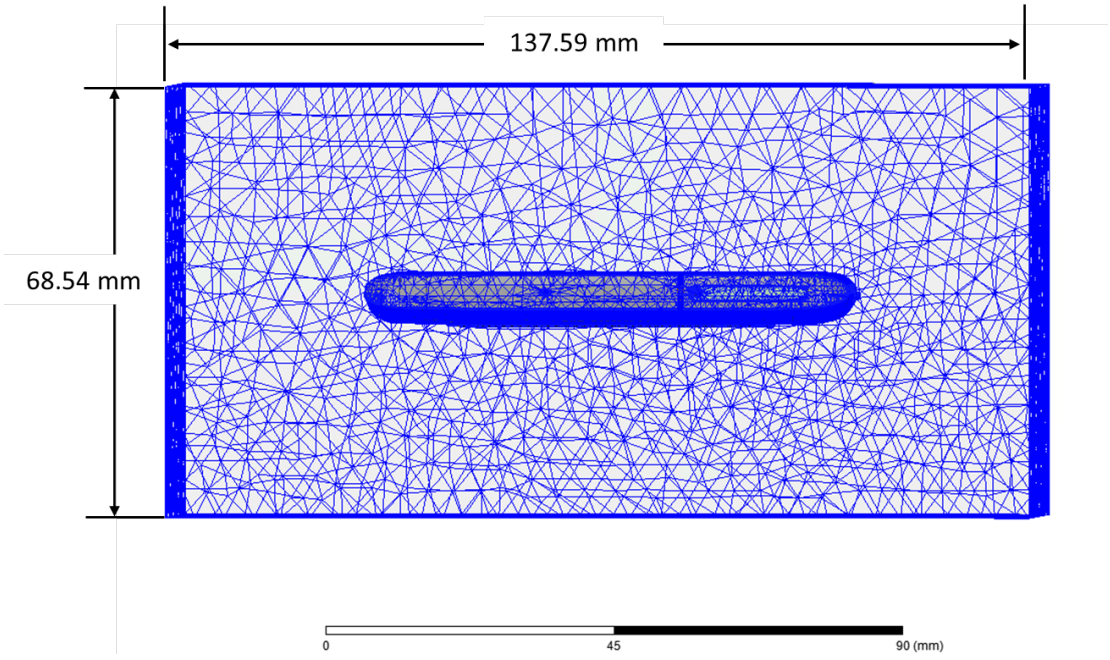


Figure 1 Example of the adaptive mesh technique (Top view)

1.1.3 Power density calculation

After solving 3D full-wave electromagnetic simulation, various kinds of physical quantities can be obtained. To calculate PD evaluation, two physical quantities, an electric field ($\vec{E}$) and a magnetic field ($\vec{H}$) are needed. The actual consumption power can be expressed as the real term of the Poynting vector ($\vec{S}$) from the cross product of $\vec{E}$ and complex conjugation of $\vec{H}$ as shown below:

$$\langle \vec{S} \rangle = \mathrm{Re}\left(\frac{1}{2}\vec{E} \times \vec{H}^{*}\right)$$

$\langle \vec{S} \rangle$ can be expressed as point power density based on a peak value of each spatial point on mesh grids, and obtained directly from ANSYS Electromagnetics suite version 2020.R1 (HFSS).

From the point power density $\langle \vec{S} \rangle$, the spatial-averaged power density (PD_{av}) on an evaluated area (A) can be derived as shown below:

$$\mathrm{PD}_{av} = \frac{1}{A}\int_{A} \langle \vec{S} \rangle \cdot ds = \frac{1}{2A_{av}} \iint_{A_{av}} \| Re\{ExH^{*}\} \| \, dA$$

, where the spatial-averaged power density (PD_{av}) is total power density value considering on x, y and z components of point power density $\langle \vec{S} \rangle$ and the evaluated area (A) is $4\mathrm{cm}^2$.

1.2 Simulation setup

1.2.1 3D modeling

Figure 2 shows the simulation model which is mounted two mmWave antenna modules. The simulation modeling includes most of the entire structure of device itself such as PCB, metal frame, battery, cables, and legacy antennas as well as mmWave antenna modules called as Ant K and Ant M. For a folder open status (Fig. 2-1), Ant M is placed on the right side and antennas are facing the right side, and Ant K is placed on the back side and antennas are facing the back side of the device. For a folder close status (Fig. 2-2), Ant K and Ant M are placed same of the folder open status.

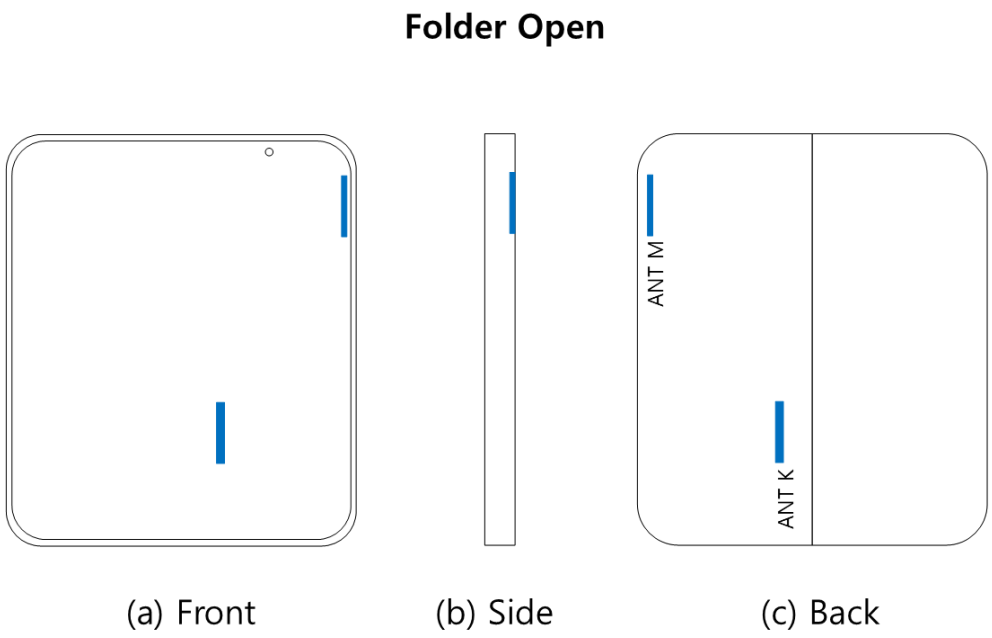


Figure 2-1. Simulation model which is mounted two mmWave antenna modules (Folder Open Status)

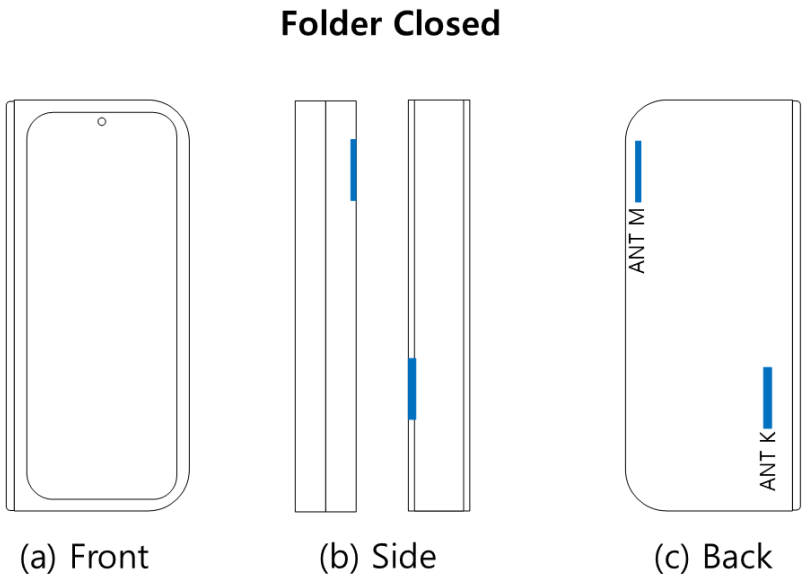


Figure 3-2. Simulation model which is mounted two mmWave antenna modules (Folder Closed Status)

1.2.2 PD evaluation planes

Table 1 shows the PD evaluation planes for each mmWave antenna module and Figure 3 shows the PD evaluation planes and whole area of the simulation model to find worst case of beamforming cases.

Please note that the “right” and “left” edge of mentioned in this report are defined from the perspective

of looking at the device from the front side.

Table 1. PD evaluation planes

Module	Front	Back	Left From Front View	Right From Front View	Top	Bottom
	S1	S2	S3	S4	S5	S6
Ant K	O	O	O	O	O	O
Ant M	O	O	O	O	O	O

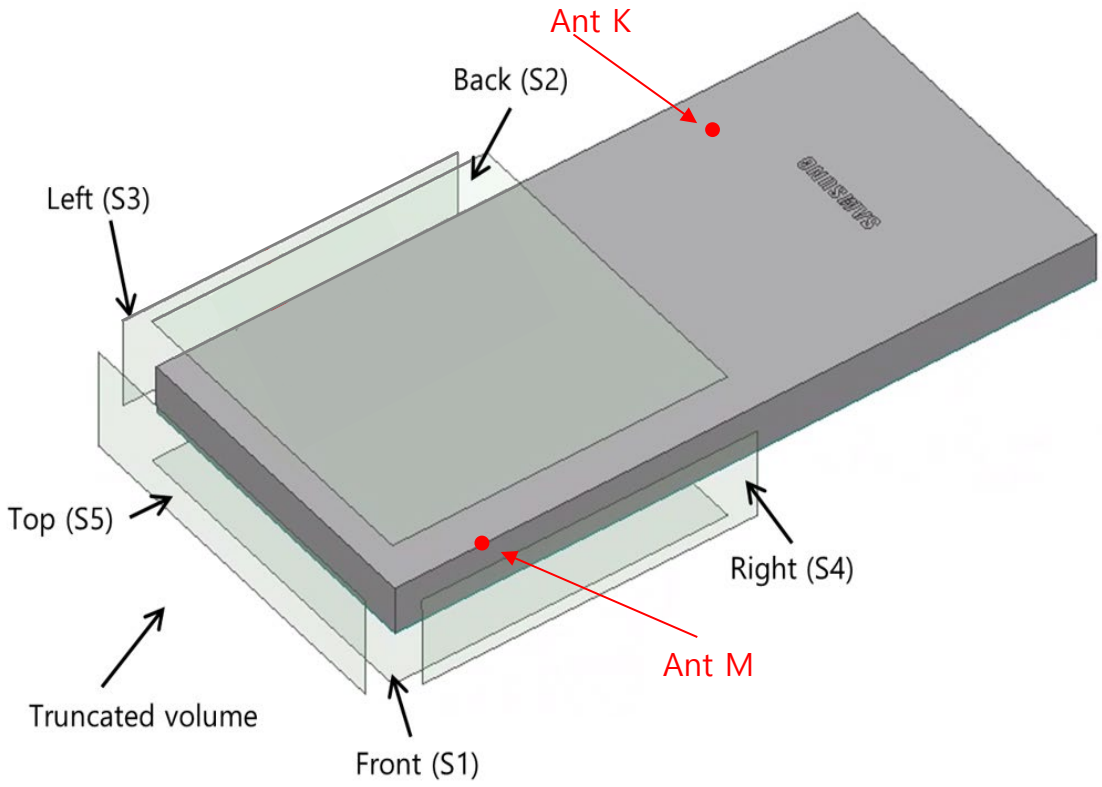


Figure 4. PD evaluation planes

1.2.3 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 2022.R2 (HFSS) can support the absorbing boundary condition (ABC) for radiation boundary and make normally a quarter wave length from the radiating structure. In this report, to cover all beamforming cases of mmWave antenna modules, 40 mm spacing from each surfaces of the device were used.

1.2.4 Source excitation condition

The number of antenna ports of ANT K and ANT M for source excitation are the same. The antenna port of ANT K and M is divided into 10 ports for n261 1 x 5 patch array antennas, 10 ports for n260 1 x 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 4 shows the ANT K module structure and surrounding structure. The ANT K module is encrypted in the ANSYS Electromagnetics suite (HFSS) and can only check the feeding position.

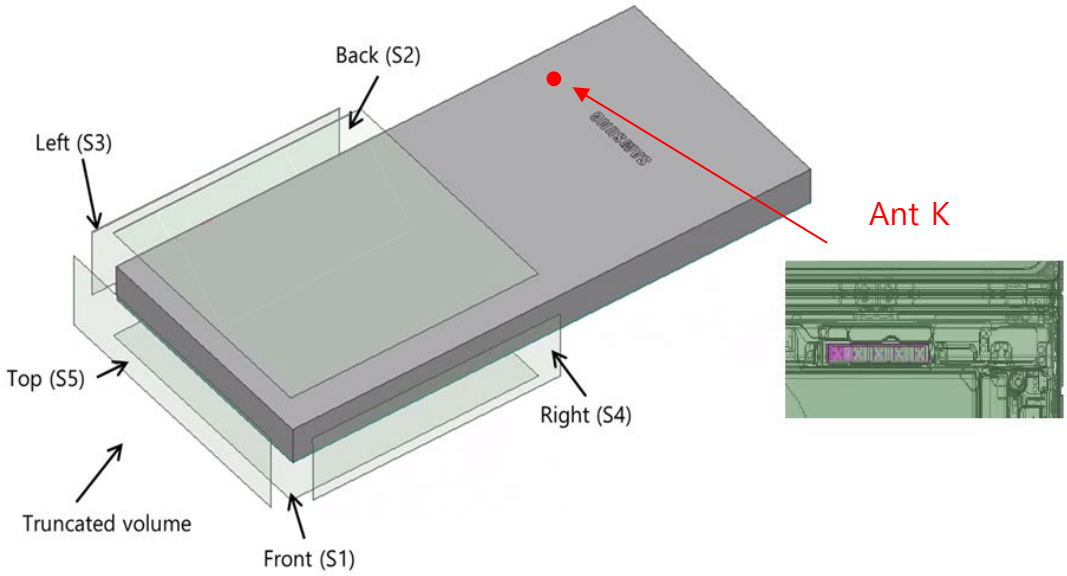


Figure 5. mmWave module (ANT K)

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 5 shows an example of antenna port excitations.

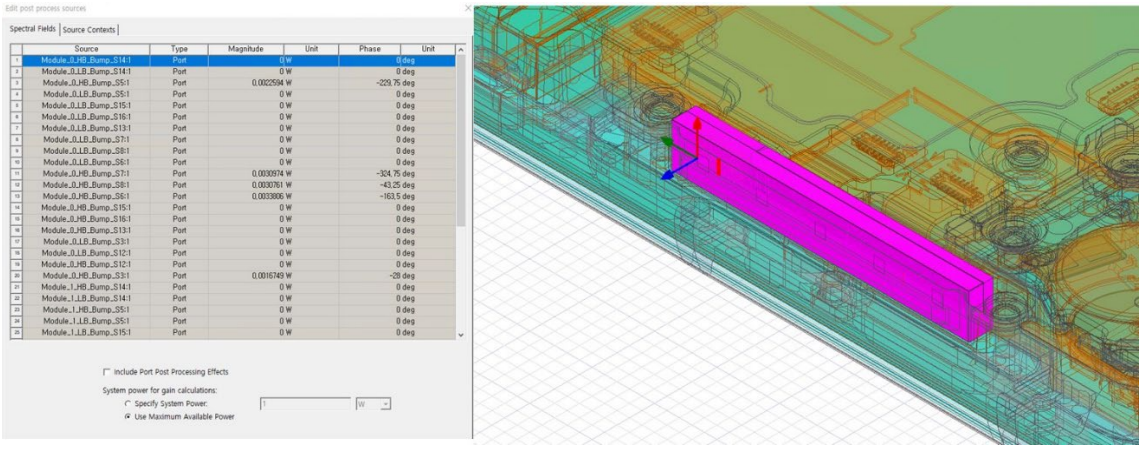


Figure 6. An example of port excitation (ANT M)

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.

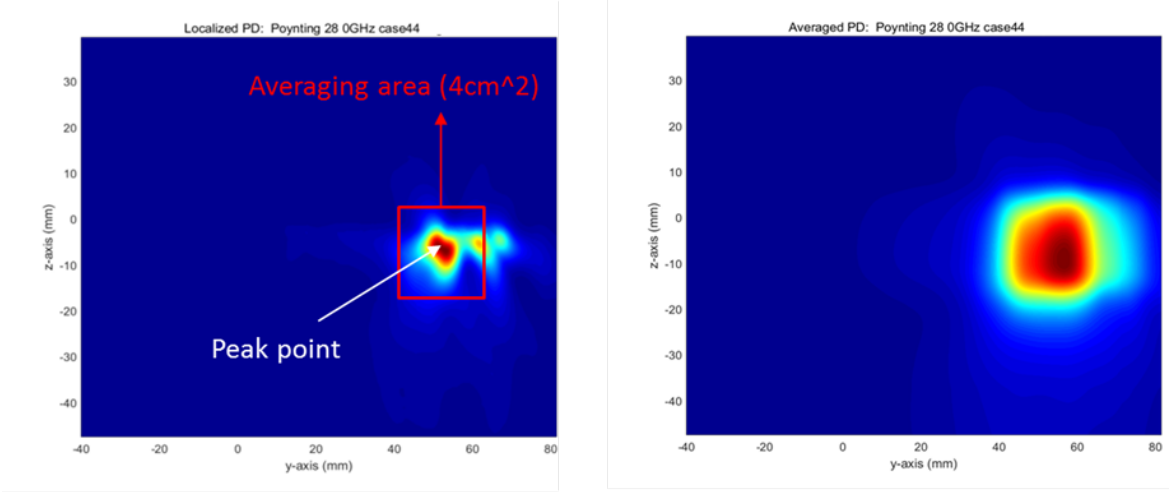
1.2.5 Condition of simulation completion

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. Simulation verification

2.1 Spatial-averaged power density

As mentioned in the previous chapter, 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 4 cm^2 at 2.5 mm intervals of the point power density result. Figure 6 shows examples of the distribution plot of point power density and the averaged power density.



(a) Point power density (b) Averaged power density

Figure 7. Power density distribution (Example)

2.2 Comparison between simulation and measurement

In this section, the simulated-power density distributions and measured-power density distributions are compared to each mmWave antenna.

Based on comparison of power density distributions, simulated power density and measured power density have a good correlation. The discrepancy in amplitude between simulated 4cm^2 averaged power density and measured 4cm^2 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 HFSS model. For measurement, FTM S/W was used to input these values for each active port also.

Mode/Band	Antenna	Input Power (dBm) SISO	Input Power (dBm) MIMO
5G NR n261	K Patch	6.0	6.0
	M Patch	6.0	6.0
5G NR n260	K Patch	6.0	6.0
	M Patch	6.0	6.0
5G NR n258	K Patch	6.0	6.0
	M Patch	6.0	6.0

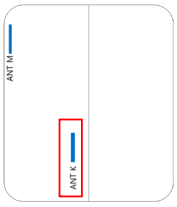
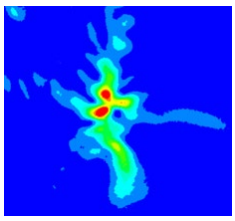
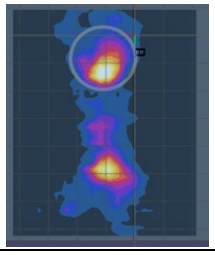
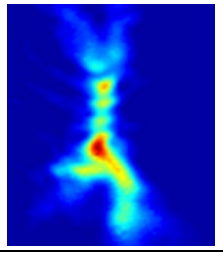
* The below simulation and measurement result were performed at 2mm evaluation distance and 28GHz / 38.5GHz. The *input.power.limit* was determined based on below results in RF Exposure Part 0 Report.

Condition	Band	Channel	Module	Side	Beam ID	Sim. PD (mW/cm2)	Meas. PD (mW/cm2)
Folder Closed	n261	Mid Ch. 2077915 (27924.96 MHz)	K	Rear	26	1.06	0.682
					165	2.12	1.65
			M	Right	41	1.17	0.572
				Rear		0.92	0.253
				Right	166	2.06	0.642
				Rear		1.38	0.609
	n260	Mid Ch. 2254165 (38499.96 MHz)	K	Rear	34	1.00	0.623
					154	0.87	0.721
			M	Right	31	1.95	0.708
				Rear	40	1.25	0.403
				Right	160	1.85	0.832
	n258	Mid Ch. 2025833 (24800.04 MHz)	K	Left	26	0.46	0.306
				Rear	26	0.87	0.686
					165	1.75	1.51
			M	Right	29	1.10	0.631
					169	2.31	0.519
				Rear	169	1.91	0.653

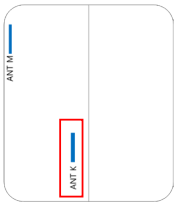
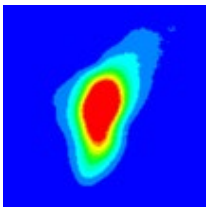
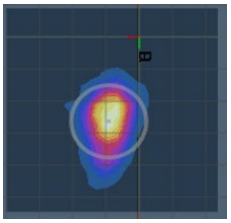
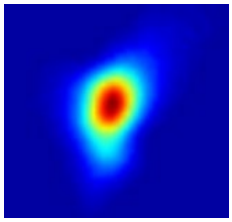
Condition	Band	Channel	Module	Side	Beam ID	Sim. PD (mW/cm2)	Meas. PD (mW/cm2)
Folder Open	n261	Mid Ch. 2077915 (27924.96 MHz)	K	Rear	26	1.03	0.582
					165	2.16	1.48
			M	Front	31	0.92	0.61
				Right	33	1.31	0.523
				Right	159	1.02	0.718
				Rear	169	1.41	0.923
	n260	Mid Ch. 2254165 (38499.96 MHz)	K	Rear	34	1.00	0.683
					154	0.86	0.676
			M	Rear	38	0.75	0.295
				Right	39	1.46	0.745
				Front		0.77	0.241
				Right	160	1.75	0.851
				Front		0.91	0.241
				Rear		0.89	0.303
	n258	Mid Ch. 2025833 (24800.04 MHz)	K	Rear	34	0.76	0.522
					165	1.79	1.36
			M	Rear	39	0.75	0.329
				Front	40	0.88	0.492
				Right	41	1.14	0.965
				Rear	169	1.21	0.649
				Right		1.04	0.411

[Folder Open Status]

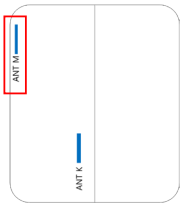
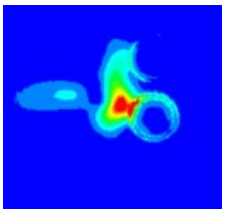
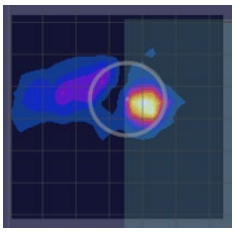
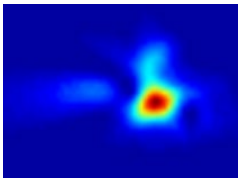
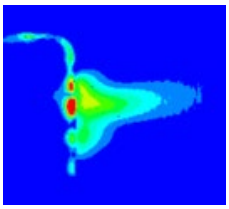
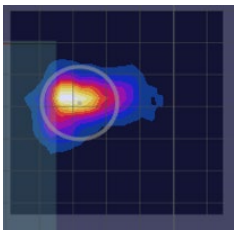
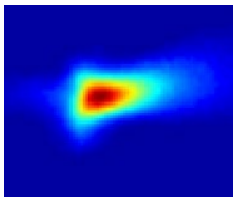
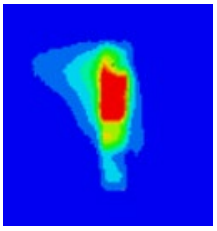
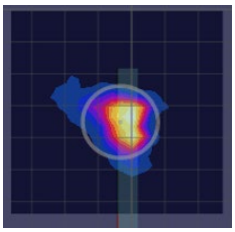
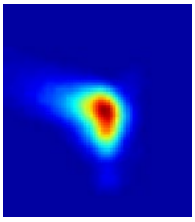
- Table 2-1, n258 ANT K-Patch: Mid Channel, Beam ID 34 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
34	S2 (Rear)				

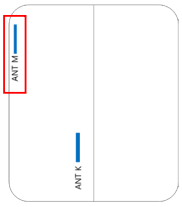
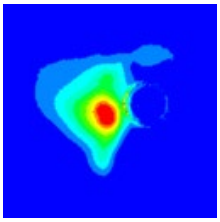
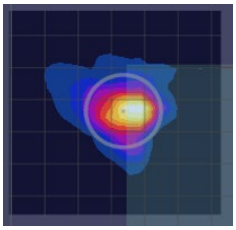
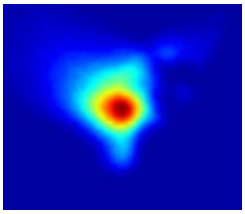
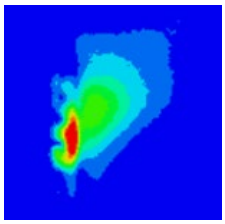
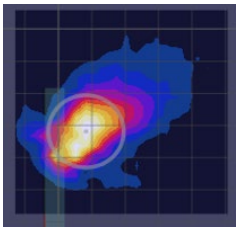
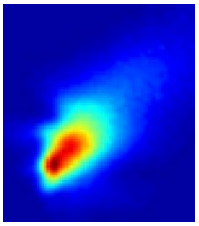
- Table 2-2, n258 ANT K-Patch: Mid Channel, Beam ID 165 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
165	S2 (Rear)				

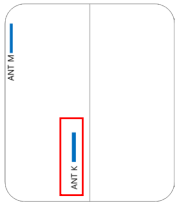
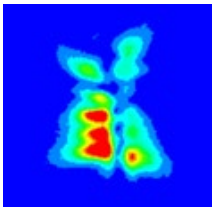
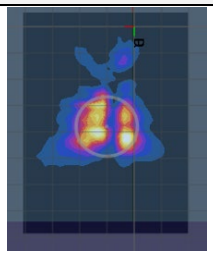
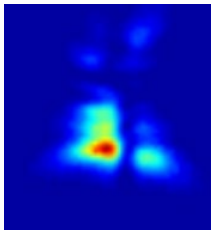
- Table 2-3, n258 ANT M-Patch: Mid Channel, Beam ID 39,40,41 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
39	S2 (Rear)				
40	S1 (Front)				
41	S4 (Right)				

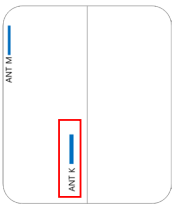
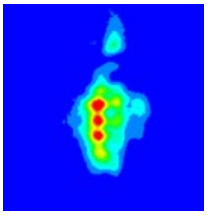
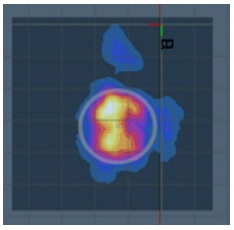
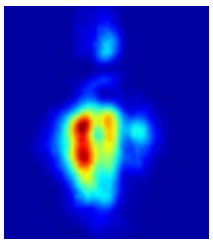
- Table 2-4, n258 ANT M-Patch: Mid Channel, Beam ID 169 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
169	S2 (Rear)				
	S4 (Right)				

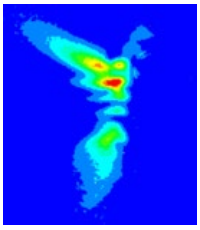
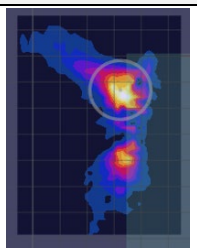
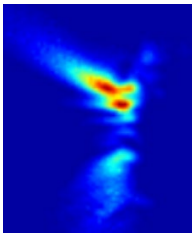
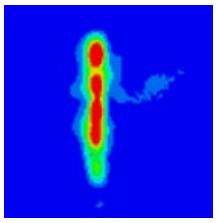
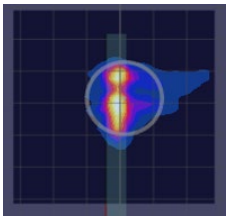
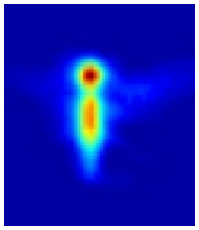
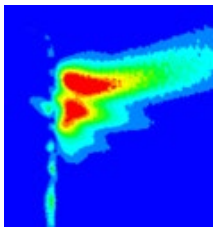
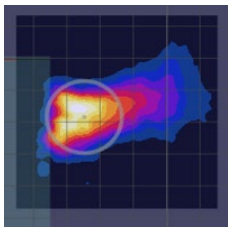
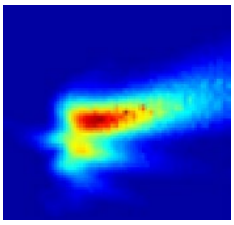
- Table 2-5, n260 ANT K-Patch: Mid Channel, Beam ID 34 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
34	S2 (Rear)				

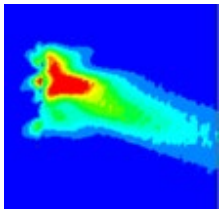
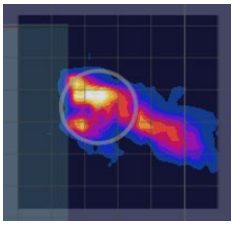
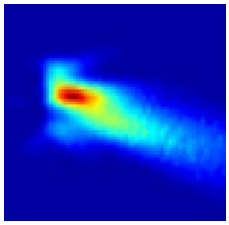
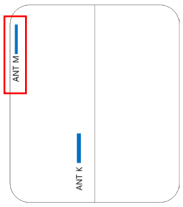
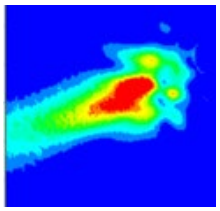
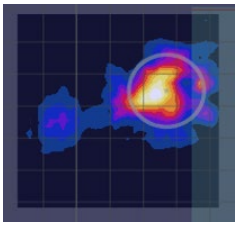
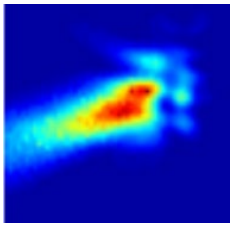
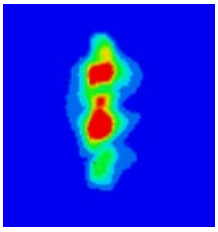
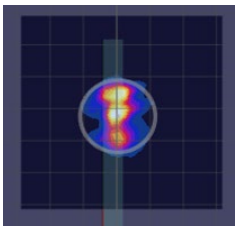
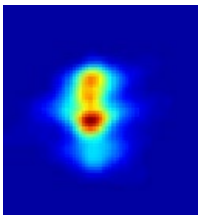
- Table 2-6, n260 ANT K-Patch: Mid Channel, Beam ID 154 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
154	S2 (Rear)				

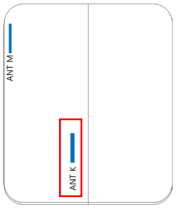
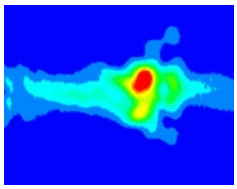
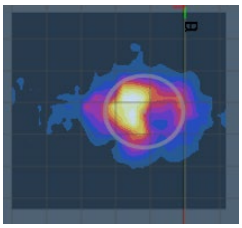
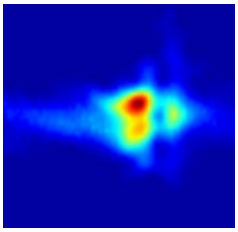
- Table 2-7, n260 ANT M-Patch: Mid Channel, Beam ID 38,39 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
38	S2 (Rear)				
39	S4 (Right)				
	S1 (Front)				

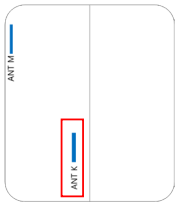
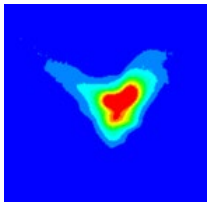
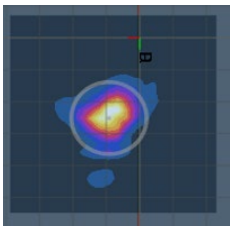
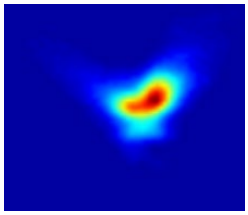
- Table 2-8, n260 ANT M-Patch: Mid Channel, Beam ID 160 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
160	S1 (Front)				
	S2 (Rear)				
	S4 (Right)				

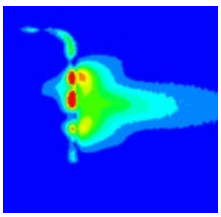
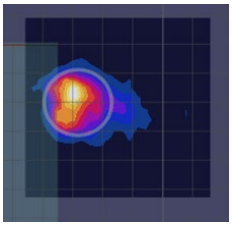
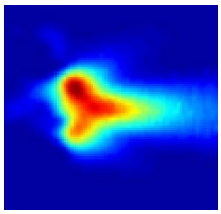
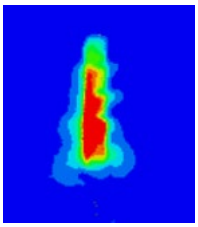
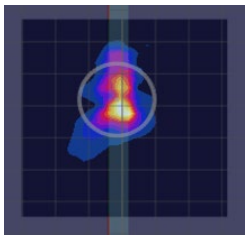
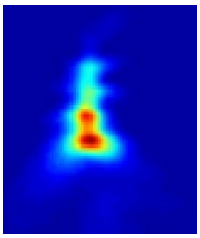
- Table 2-9, n261 ANT K-Patch: Mid Channel, Beam ID 26 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
26	S2 (Rear)				

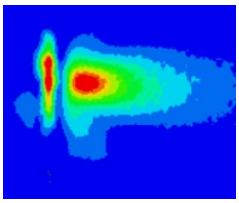
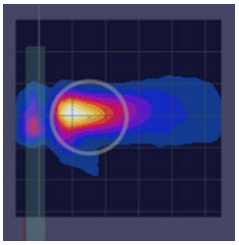
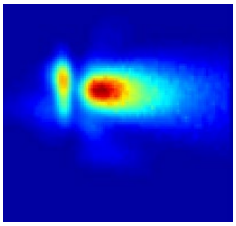
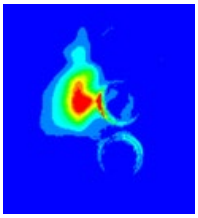
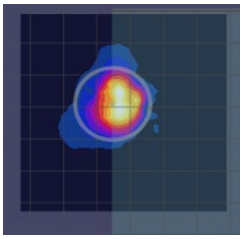
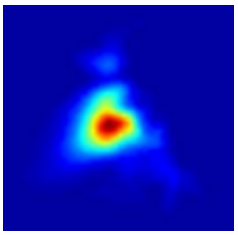
- Table 2-10, n261 ANT K-Patch: Mid Channel, Beam ID 165 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
165	S2 (Rear)				

- Table 2-11, n261 ANT M-Patch: Mid Channel, Beam ID 31,33 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
31	S1 (Front)				
33	S4 (Right)				

- Table 2-12, n261 ANT M-Patch: Mid Channel, Beam ID 159,169 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
159	S4 (Right)				
169	S2 (Rear)				

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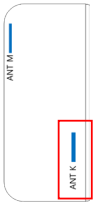
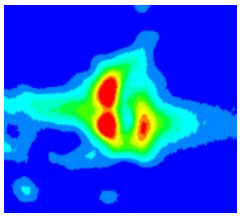
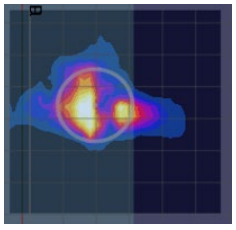
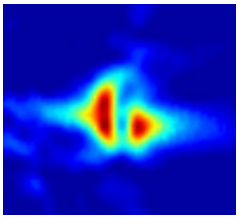
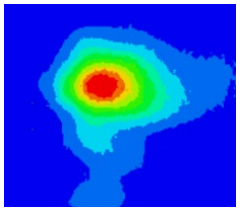
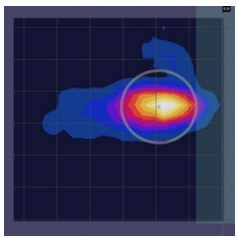
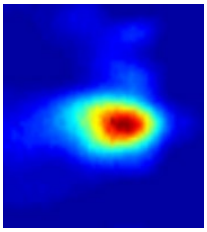
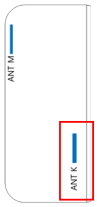
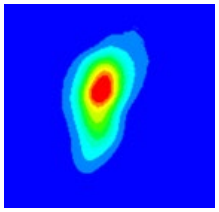
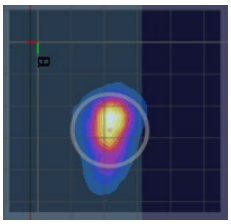
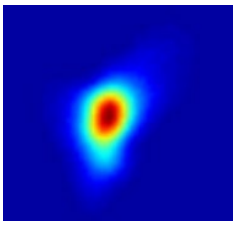
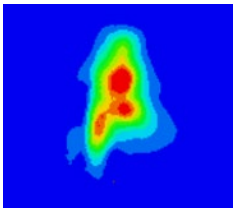
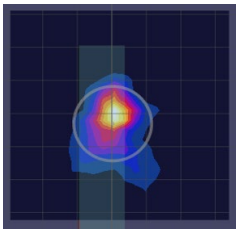
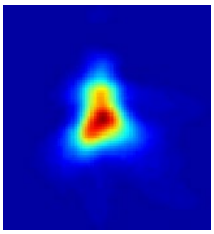
- Table 2-13, n258 ANT K-Patch: Mid Channel, Beam ID 26 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
26	S2 (Rear)				
	S3 (Left)				

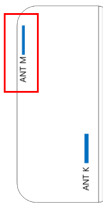
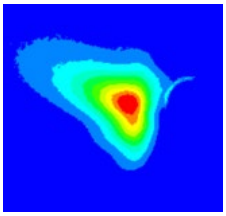
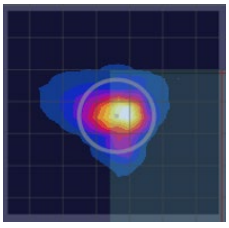
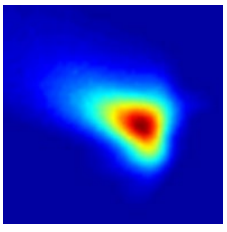
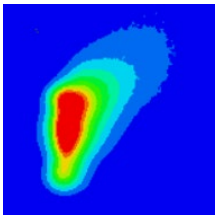
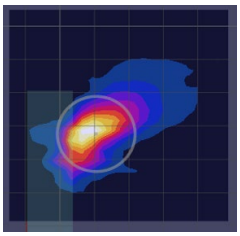
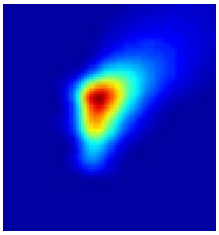
- Table 2-14, n258 ANT K-Patch: Mid Channel, Beam ID 165 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
165	S2 (Rear)				

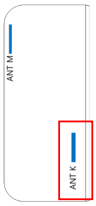
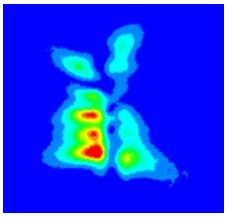
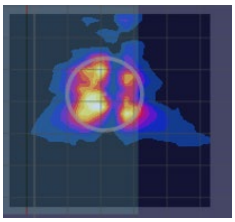
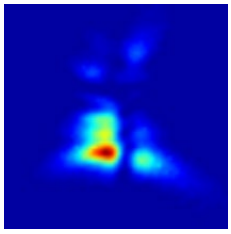
- Table 2-15, n258 ANT M-Patch: Mid Channel, Beam ID 29 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
29	S4 (Right)				

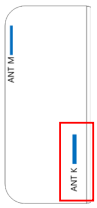
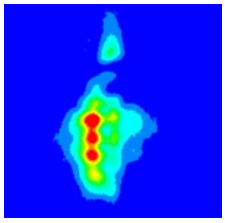
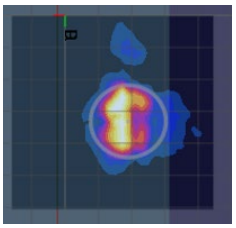
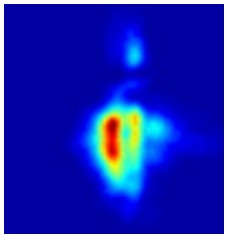
- Table 2-16, n258 ANT M-Patch: Mid Channel, Beam ID 169 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
169	S2 (Rear)				
	S4 (Right)				

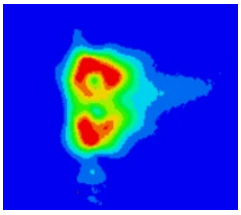
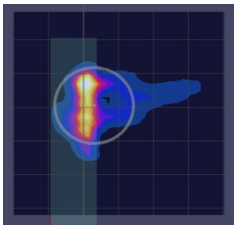
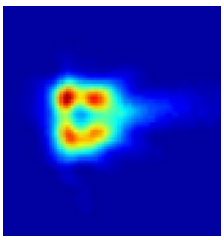
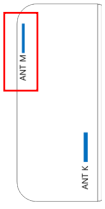
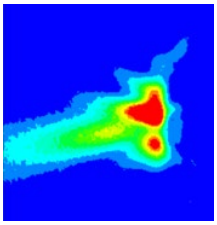
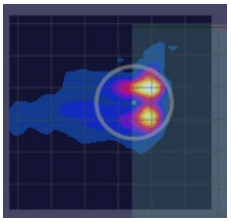
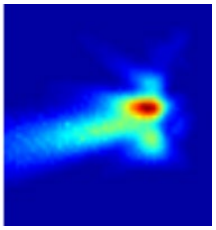
- Table 2-17, n260 ANT K-Patch: Mid Channel, Beam ID 34 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
34	S2 (Rear)				

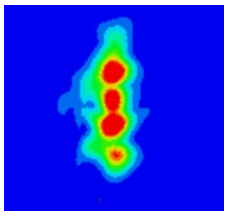
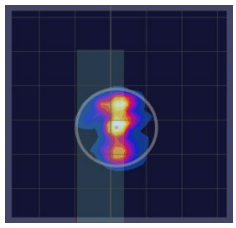
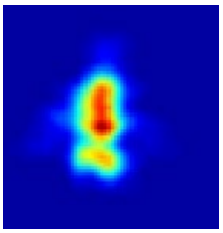
- Table 2-18, n260 ANT K-Patch: Mid Channel, Beam ID 154 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
154	S2 (Rear)				

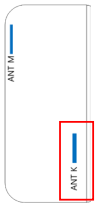
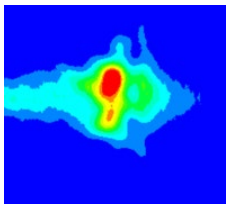
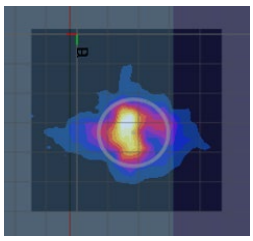
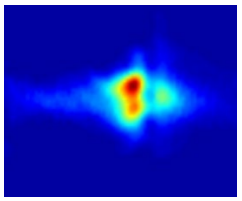
- Table 2-19, n260 ANT M-Patch: Mid Channel, Beam ID 31,40 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
31	S4 (Right)				
40	S2 (Rear)				

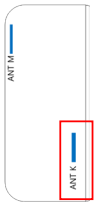
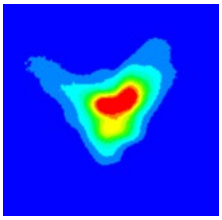
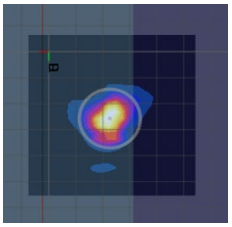
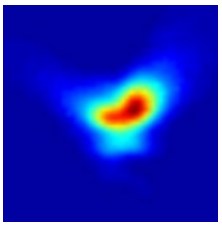
- Table 2-20, n260 ANT M-Patch: Mid Channel, Beam ID 160 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
160	S4 (Right)				

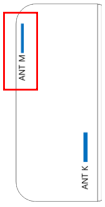
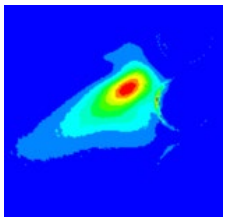
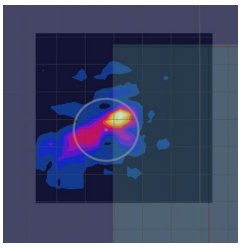
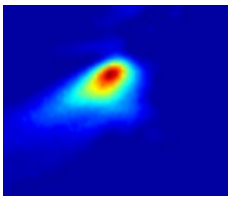
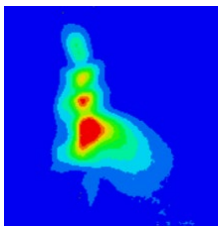
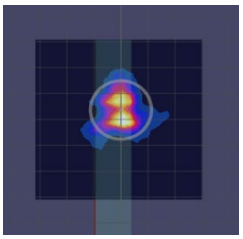
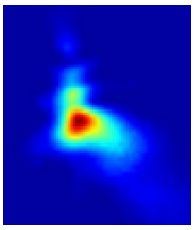
- Table 2-21, n261 ANT K-Patch: Mid Channel, Beam ID 26 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
26	S2 (Rear)				

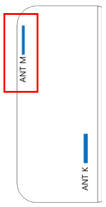
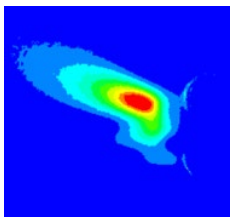
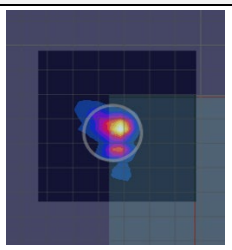
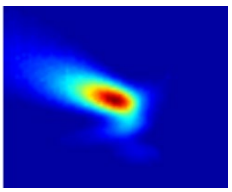
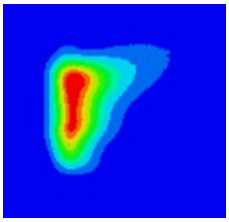
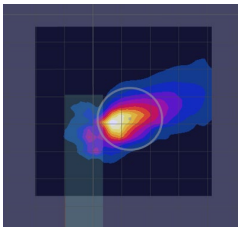
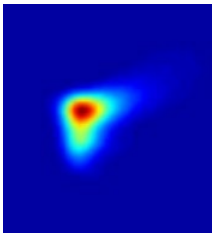
- Table 2-22, n261 ANT K-Patch: Mid Channel, Beam ID 165 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
165	S2 (Rear)				

- Table 2-23, n261 ANT M-Patch: Mid Channel, Beam ID 41 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
41	S2 (Rear)				
41	S4 (Right)				

- Table 2-24, n261 ANT M-Patch: Mid Channel, Beam ID 166 for selected surfaces

Beam ID	Surface	View	Simulated PD	Measured PD	Print out from Qualcomm MG Script
166	S2 (Rear)				
166	S4 (Right)				

3 Simulation results

This section shows the PD simulation results of Ant K and Ant M at 24GHz, 28GHz and 39GHz for each evaluation plane specified in Table 1 at two separation distances of 2mm and 10mm for open condition and for closed conditions. The ratio of PD exposure from front surface to the worst surface at 2mm, and the ratio of PD exposure from 2mm to 10mm (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 sweeping across the relative phase between beams a 5° step interval from 0° to 360°,

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.

3.1 PD for Low/Mid/High Channel at 24GHz / 28GHz / 39GHz

3.1.1 Ant K– Patch Antenna

Table 3 & Table 4 & Table 5 show the PD simulation evaluation of Ant K patch antenna at 24GHz / 28GHz / 39GHz for the corresponding evaluation planes specified in Table 1.

Table 3. PD of Ant K – patch antenna (24GHz – n258)

[Folder Open Status]

- K–patch Low CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)						per Beam Back-off (dB)	max ratio out of all beams						4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
													26.2%	10.4%	7.0%	25.1%	12.1%	100.0%							76.2%	16.9%	8.5%	5.5%	18.5%	5.4%	76.2%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)		ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
1			0		1	0.01	0.00	0.00	0.01	0.01	0.09		14.0%	4.3%	1.1%	12.9%	7.5%	100.0%	0.01	0.00	0.00	0.01	0.00	0.04	40.9%	9.7%	3.2%	1.1%	8.6%	3.2%	40.9%
2			2		1	0.01	0.01	0.00	0.01	0.00	0.10		13.7%	5.3%	3.2%	11.6%	3.2%	100.0%	0.01	0.00	0.00	0.01	0.00	0.04	38.9%	8.4%	4.2%	2.1%	8.4%	1.1%	38.9%
3			4		1	0.01	0.01	0.00	0.01	0.01	0.09		10.1%	7.9%	3.4%	11.2%	5.6%	100.0%	0.01	0.01	0.00	0.01	0.00	0.03	38.2%	5.6%	6.7%	2.2%	7.9%	2.2%	38.2%
4			6		1	0.01	0.00	0.01	0.01	0.01	0.12		7.4%	3.3%	4.1%	5.0%	4.1%	100.0%	0.01	0.00	0.00	0.01	0.00	0.04	34.7%	4.1%	2.5%	3.3%	4.1%	1.7%	34.7%
5			8		1	0.01	0.01	0.01	0.01	0.00	0.12		5.9%	5.1%	5.1%	5.9%	2.5%	100.0%	0.00	0.00	0.01	0.00	0.00	0.05	38.1%	3.4%	3.4%	4.2%	3.4%	1.7%	38.1%
6			10		2	0.01	0.01	0.01	0.03	0.01	0.17		6.4%	6.4%	6.9%	15.0%	2.9%	100.0%	0.01	0.01	0.01	0.02	0.00	0.05	30.1%	4.0%	4.6%	5.2%	11.0%	1.7%	30.1%
7			11		2	0.02	0.01	0.00	0.02	0.01	0.18		9.4%	5.0%	2.2%	10.5%	3.9%	100.0%	0.01	0.01	0.00	0.01	0.00	0.06	31.5%	6.6%	3.9%	1.7%	7.7%	1.7%	31.5%
8			12		2	0.03	0.02	0.01	0.01	0.01	0.21		16.1%	10.4%	2.8%	4.3%	6.2%	100.0%	0.02	0.02	0.00	0.01	0.01	0.09	40.3%	9.0%	8.5%	1.9%	2.8%	2.4%	40.3%
9			13		2	0.02	0.01	0.01	0.04	0.01	0.18		11.1%	5.0%	2.8%	20.6%	5.0%	100.0%	0.01	0.01	0.00	0.03	0.00	0.05	29.4%	6.7%	3.9%	2.2%	14.4%	2.2%	29.4%
10			18		2	0.02	0.01	0.00	0.02	0.01	0.18		9.4%	5.0%	2.2%	10.5%	3.9%	100.0%	0.01	0.01	0.00	0.01	0.00	0.06	31.5%	6.6%	3.9%	1.7%	7.7%	1.7%	31.5%
11			19		2	0.02	0.01	0.01	0.01	0.01	0.24		9.9%	4.1%	2.1%	2.9%	4.5%	100.0%	0.02	0.01	0.00	0.01	0.01	0.10	40.3%	6.2%	3.3%	1.6%	2.1%	2.1%	40.3%
12			20		2	0.01	0.01	0.01	0.01	0.01	0.21		4.7%	6.1%	6.6%	6.6%	2.8%	100.0%	0.01	0.01	0.01	0.01	0.00	0.07	32.1%	3.3%	3.8%	5.2%	4.7%	1.4%	32.1%
13			24		5	0.03	0.02	0.02	0.08	0.02	0.44		6.6%	3.4%	3.6%	18.5%	3.6%	100.0%	0.02	0.01	0.01	0.06	0.01	0.13	30.1%	5.0%	2.5%	2.3%	13.0%	1.6%	30.1%
14			25		5	0.03	0.02	0.02	0.06	0.02	0.48		5.8%	4.6%	3.7%	11.8%	4.8%	100.0%	0.02	0.02	0.01	0.04	0.01	0.19	38.8%	4.4%	3.7%	2.3%	8.7%	1.5%	38.8%
15			26		5	0.05	0.05	0.01	0.02	0.03	0.56		8.5%	9.2%	2.0%	4.1%	4.7%	100.0%	0.03	0.04	0.01	0.01	0.01	0.29	51.5%	5.9%	7.7%	1.4%	2.5%	1.8%	51.5%
16			27		5	0.13	0.05	0.01	0.02	0.06	0.50		26.2%	9.5%	2.4%	4.2%	12.1%	100.0%	0.08	0.04	0.01	0.01	0.03	0.24	48.6%	16.9%	8.1%	1.4%	2.8%	5.4%	48.6%
17			28		5	0.02	0.04	0.03	0.03	0.01	0.40		5.7%	9.7%	7.0%	8.0%	3.0%	100.0%	0.02	0.02	0.02	0.03	0.01	0.10	25.1%	4.2%	6.0%	5.5%	6.5%	1.7%	25.1%
18			34		5	0.03	0.01	0.02	0.14	0.02	0.56		5.7%	2.2%	3.6%	25.1%	4.1%	100.0%	0.03	0.01	0.02	0.10	0.01	0.17	30.6%	4.5%	1.8%	2.7%	18.5%	1.8%	30.6%
19			35		5	0.04	0.05	0.01	0.04	0.02	0.55		7.4%	8.7%	1.8%	7.4%	4.0%	100.0%	0.03	0.04	0.01	0.02	0.01	0.24	42.7%	4.5%	6.7%	1.3%	3.4%	2.4%	42.7%
20			36		5	0.14	0.05	0.01	0.02	0.07	0.57		23.9%	8.6%	1.2%	3.7%	11.6%	100.0%	0.08	0.04	0.00	0.01	0.03	0.27	47.4%	14.6%	7.4%	0.7%	2.3%	4.9%	47.4%
21			37		5	0.07	0.03	0.02	0.03	0.04	0.36		20.3%	7.8%	4.4%	8.1%	10.0%	100.0%	0.05	0.02	0.01	0.02	0.02	0.19	53.6%	12.5%	6.7%	3.6%	5.6%	4.7%	53.6%
22			128		1	0.00	0.00	0.00	0.02	0.00	0.16		1.3%	1.3%	0.6%	9.4%	0.6%	100.0%	0.00	0.00	0.00	0.01	0.00	0.07	45.6%	0.6%	1.3%	0.6%	6.3%	0.6%	45.6%
23			130		1	0.00	0.00	0.00	0.02	0.00	0.22		0.9%	0.9%	0.9%	9.7%	0.9%	100.0%	0.00	0.00	0.00	0.02	0.00	0.09	41.9%	0.5%	0.5%	0.5%	7.8%	0.5%	41.9%
24			132		1	0.00	0.00	0.00	0.01	0.00	0.22		0.9%	0.9%	0.9%	5.4%	0.9%	100.0%	0.00	0.00	0.00	0.01	0.00	0.09	42.5%	0.5%	0.9%	0.9%	4.5%	0.5%	42.5%
25			134		1	0.00	0.00	0.00	0.01	0.00	0.21		0.5%	1.0%	1.0%	3.4%	0.5%	100.0%	0.00	0.00	0.00	0.01	0.00	0.11	53.6%	0.5%	0.5%	1.0%	2.9%	0.5%	53.6%
26			136		1	0.00	0.01	0.00	0.01	0.00	0.17		1.2%	3.0%	1.8%	3.0%	0.6%	100.0%	0.00	0.00	0.00	0.00	0.00	0.08	47.9%	1.2%	1.8%	1.8%	1.8%	0.6%	47.9%
27			138		2	0.01	0.01	0.00	0.06	0.01	0.40		1.3%	1.3%	0.8%	15.3%	1.8%	100.0%	0.00	0.01	0.00	0.05	0.00	0.19	48.3%	1.0%	1.3%	0.5%	12.5%	0.8%	48.3%
28			139		2	0.00	0.01	0.00	0.03	0.00	0.43		0.7%	1.2%	0.5%	7.3%	0.9%	100.0%	0.00	0.00	0.00	0.03	0.00	0.25	57.6%	0.5%	0.9%	0.2%	5.9%	0.5%	57.6%
29			140		2	0.00	0.00	0.00	0.01	0.00	0.47		0.6%	0.8%	0.6%	1.3%	0.2%	100.0%	0.00	0.00	0.00	0.00	0.00	0.27	55.9%	0.4%	0.6%	0.4%	0.6%	0.2%	55.9%
30			141		2	0.01	0.00	0.01	0.04	0.00	0.34		1.5%	1.2%	1.5%	12.3%	1.2%	100.0%	0.00	0.00	0.00	0.03	0.00	0.15	42.5%	0.9%	0.9%	1.2%	9.4%	0.9%	42.5%
31			146		2	0.01	0.00	0.00	0.06	0.01	0.41		1.2%	1.0%	0.5%	14.6%	1.5%	100.0%	0.00	0.00	0.00	0.05	0.00	0.17	42.2%	1.0%	0.7%	0.2%	11.2%	0.7%	42.2%
32	K	Patch	147		2	0.00	0.00	0.00	0.02	0.00	0.46		0.7%	0.9%	0.2%	4.6%	0.2%	100.0%	0.00	0.00	0.00	0.01	0.00	0.26	56.5%	0.4%	0.7%	0.2%	2.6%	0.2%	56.5%
33			148		2	0.01	0.01	0.01	0.02	0.00	0.52		1.4%	1.2%	1.2%	4.1%	0.6%	100.0%	0.00	0.01	0.01	0.02	0.00	0.27	51.8%	0.8%	1.0%	1.0%	3.1%	0.2%	51.8%
34			152		5	0.02	0.01	0.00	0.18	0.02	1.09		1.6%	1.3%	0.4%	16.1%	1.8%	100.0%	0.01	0.01	0.00	0.14	0.01	0.46	41.7%	1.1%	1.1%	0.2%	12.7%	0.8%	41.7%
35			153		5	0.02	0.02	0.00	0.14	0.01	1.11		1.5%	1.6%	0.3%	12.7%	1.2%	100.0%	0.01	0.02	0.00	0.10	0.01	0.54	48.1%	1.0%	1.3%	0.2%	9.2%	0.5%	48.1%
36			154		5	0.01	0.02	0.00	0.03	0.00	0.98		0.7%	2.0%	0.3%	2.7%	0.4%	100.0%	0.01	0.01	0.00	0.02	0.00	0.74	75.2%	0.6%	1.4%	0.2%	2.0%	0.2%	75.2%
37			155		5	0.01	0.02	0.00	0.01	0.01	1.21		0.7%	1.7%	0.2%	0.8%	0.4%	100.0%	0.01	0.01	0.00	0.01	0.00	0.86	70.9%	0.4%	1.2%	0.2%	0.4%	0.2%	70.9%
38			156		5	0.02	0.03	0.03	0.01	0.01	1.50		1.3%	2.1%	1.7%	0.8%	0.7%	100.0%	0.02	0.02	0.02	0.01	0.01	0.78	52.1%	1.0%	1.4%	1.4%	0.5%	0.5%	52.1%
39			162		5	0.02	0.01	0.00	0.18	0.02	1.07		1.6%	1.3%	0.3%	16.4%	1.9%	100.0%	0.01	0.01	0.00	0.14	0.01	0.45	42.3%	1.1%	1.1%	0.2%	12.9%	0.8%	42.3%
40			163		5	0.02	0.02	0.00	0.04	0.01	0.94		1.6%	1.7%	0.3%	4.0%	0.5%	100.0%	0.01	0.01	0.00	0.02	0.00	0.67	70.4%	1.1%	1.3%	0.3%	2.2%	0.3%	70.4%
41			164		5	0.01	0.03	0.00	0.01	0.01	1.05		0.7%	2.4%	0.1%	1.2%	0.5%	100.0%	0.01	0.02	0.00	0.01	0.00	0.80	76.2%	0.6%	1.7%	0.1%	1.0%	0.3%	76.2%
42			165		5	0.01	0.03	0.02	0.01	0.01	1.54		0.8%	1.8%	1.0%	0.4%	0.6%	100.0%	0.01	0.02	0.01	0.00	0.01	0.97	62.8%	0.6%	1.4%	0.7%	0.3%	0.4%	62.8%
43			0	128	2	0.02	0.01	0.00	0.04	0.01	0.35		5.5%	2.3%	0.9%	11.5%	2.9%	100.0%	0.01	0.01	0.00	0.03	0.00	0.16	45.2%	3.7%	1.7%	0.6%	8.6%	1.2%	45.2%
44			2	130	2	0.02	0.01	0.01	0.05	0.01	0.40		4.5%	2.8%	1.8%	13.1%	1.8%	100.0%	0.01	0.01	0.01	0.04	0.00	0.17	42.7%	3.0%	2.0%	1.3%	10.1%	0.8%	42.7%
45			4	132	2	0.01	0.01	0.01	0.04	0.01	0.38		3.2%	3.7%	2.4%	10.0%	1.6%	100.0%	0.01	0.01	0.01	0.03	0.00	0.16	41.7%	2.1%	2.9%	1.8%	7.7%	0.8%	41.7%
46			6	134	2	0.01	0.01	0.01	0.02	0.01	0.42		2.8%	1.9%	2.8%	5.2%	1.4%	100.0%	0.01	0.01	0.01	0.02	0.00	0.17	39.9%	1.7%	1.2%	2.1%	3.8%	0.7%	39.9%
47			8	136	2	0.01	0.02	0.02	0.01	0.01	0.35		3.7%	5.6%	4.2%	3.4%	1.7%	100.0%	0.01	0.01	0.01	0.01	0.00	0.19	53.7%	1.7%	4.0%	3.4%	2.8%	0.8%	53.7%
48			10	138	4	0.02	0.03	0.03	0.15	0.02	0.83		2.4%	3.0%	3.0%	17.4%	2.5%	100.0%	0.01	0.02	0.02	0.11	0.01	0.33	39.1%	1.7%	2.3%	2.4%	13.4%	1.1%	39.1%
49			11	139	4	0.02	0.02	0.01	0.09	0.01	0.64		3.1%	3.1%	1.1%	13.9%	1.9%	100.0%	0.02	0.02	0.01	0.07	0.01	0.34	53.1%	2.3%	2.7%	0.8%	11.3%	0.9%	53.1%
50			12	140	4	0.04	0.04	0.02	0.01	0.02	0.85		4.9%	4.2%	1.8%	1.6%	2.0%	100.0%	0.03	0.03	0.01	0.01	0.01	0.45	52.9%	3.1%	3.4%	1.3%	1.2%	0.8%	52.9%
51			13	141	4	0.03	0.02	0.02	0.13	0.02	0.60		5.0%	3.2%	3.0%	21.7%	2.9%	100.0%	0.02	0.01	0.01	0.10	0.01	0.26	44.0%	3.0%	2.4%	2.2%	16.3%	1.3%	44.0%
52			18	146	4	0.03	0.02	0.01	0.13	0.02	0.79		3.3%	2.2%	1.0%	17.0%	1.9%	100.0%	0.02	0.02	0.01	0.10	0.01	0.32	40.3%	2.3%	1.9%	0.8%	13.2%	0.9%	40.3%
53			19	147	4	0.03	0.02	0.01	0.04	0.01	0.61		5.5%	2.9%	1.3%	6.0%	2.3%	100.0%	0.02	0.01	0.01	0.03	0.01	0.32	52.2%	3.4%	2.3%	1.0%	4.1%	1.0%	52.2%
54			20	148	4	0.02	0.03	0.03	0.06	0.01	0.80		2.3%	3.5%	3.6%	6.9%	1.5%	100.0%	0.01	0.02	0.02	0.04	0.01	0.39	48.4%	1.4%	2.3%	2.8%	5.4%	0.9%	48.4%
55			24	152	10	0.05	0.05	0.03	0.41	0.06	2.31		2.2%	2.3%	1.2%	17.9%	2.4%	100.0%	0.05	0.04	0.02	0.32	0.03	0.86	37.4%	2.0%	1.6%	0.7%	13.6%	1.2%	37.4%
56			25	153	10	0.04	0.07	0.03	0.34	0.05	2.32		1.9%	3.0%	1.1%	14.6%	2.3%	100.0%	0.03	0.06	0.02	0.25	0.02	1.08	46.7%	1.4%	2.5%	0.7%	10.6%	0.8%	46.7%
57			26	154	10	0.08	0.10	0.02	0.07	0.04	2.04		3.9%	4.8%	1.1%	3.6%	2.1%	100.0%	0.05	0.08	0.02	0.05	0.02	1.44	70.6%	2.6%	4.0%	0.8%	2.5%	1.0%	70.6%
58			27	155	10	0.18	0.11	0.01	0.04	0.09	2.05		8.6%	5.3%	0.7%	1.8%	4.3%	100.0%	0.12	0.09	0.01	0.02	0.04	1.45	70.4%	5.6%	4.2%	0.4%	1.1%	1.9%	70.4%
59			28	156	10	0.08	0.13	0.10	0.06	0.05	2.52		3.1%	5.2%	3.9%	2.2%	1.8%	100.0%	0.06	0.09	0.08	0.04	0.03	1.16	45.9%	2.3%	3.4%	3.1%	1.7%	1.1%	45.9%
60			34	162	10	0.08	0.04	0.03	0.55	0.08	2.37		3.5%	1.7%	1.3%	23.3%	3.5%	100.0%	0.07	0.03	0.02	0.43	0.04	0.77	32.5%	2.9%	1.4%	1.0%	18.3%	1.5%	32.5%
61			35	163	10	0.08	0.10	0.02	0.07	0.04	2.01		3.9%	4.9%	1.1%	3.6%	2.0%	100.0%	0.05	0.08	0.02	0.04	0.03	1.27	63.2%	2.5%	3.8%	0.7%	2.1%	1.2%	63.2%
62			36	164	10	0.17	0.09	0.01	0.03	0.08	2.13		8.0%	4.4%	0.5%	1.6%	3.9%	100.0%	0.10	0.07	0.01	0.02	0.04	1.48	69.4%	4.7%	3.3%	0.3%	1.1%	1.6%	69.4%
63			37	165	10	0.11	0.10	0.06	0.04	0.06	2.12		5.0%	4.7%	2.6%	1.8%	2.8%	100.0%	0.07	0.07	0.04	0.03	0.03	1.35	63.8%	3.3%	3.3%	2.1%	1.5%	1.3%	63.8%

- K–patch Mid CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)						per Beam Back-off (dB)	max ratio out of all beams						4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
													13.0%	15.6%	7.4%	32.8%	6.2%	100.0%							75.1%	8.7%	12.9%	6.0%	23.0%	3.2%	75.1%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)		ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
1			0		1	0.01	0.01	0.00	0.03	0.01	0.14		5.0%	3.6%	0.7%	20.1%	4.3%	100.0%	0.00	0.00	0.00	0.02	0.00	0.05	35.3%	2.9%	2.9%	0.7%	12.9%	1.4%	35.3%
2			2		1	0.01	0.01	0.00	0.02	0.01	0.15		7.9%	6.0%	2.0%	10.6%	4.0%	100.0%	0.01	0.01	0.00	0.01	0.00	0.06	39.1%	5.3%	4.6%	2.0%	7.3%	1.3%	39.1%
3			4		1	0.01	0.01	0.01	0.02	0.01	0.13		7.9%	4.8%	4.0%	11.9%	4.0%	100.0%	0.01	0.01	0.00	0.01	0.00	0.04	31.0%	4.8%	4.0%	3.2%	8.7%	1.6%	31.0%
4			6		1	0.01	0.01	0.01	0.01	0.00	0.13		6.8%	6.0%	3.8%	8.3%	3.0%	100.0%	0.01	0.01	0.00	0.01	0.00	0.04	33.1%	3.8%	5.3%	3.0%	5.3%	0.8%	33.1%
5			8		1	0.01	0.01	0.01	0.01	0.01	0.15		5.5%	4.1%	4.8%	4.8%	3.4%	100.0%	0.00	0.01	0.01	0.00	0.00	0.06	40.7%	2.8%	3.4%	4.1%	2.8%	2.1%	40.7%
6			10		2	0.01	0.01	0.02	0.04	0.01	0.22		4.1%	4.6%	7.4%	18.4%	3.7%	100.0%	0.01	0.01	0.01	0.03	0.00	0.07	33.2%	2.8%	3.7%	6.0%	13.8%	1.8%	33.2%
7			11		2	0.02	0.02	0.00	0.04	0.01	0.27		7.3%	5.8%	0.7%	15.0%	2.6%	100.0%	0.01	0.01	0.00	0.03	0.00	0.10	34.7%	4.7%	4.4%	0.7%	10.2%	1.1%	34.7%
8			12		2	0.02	0.02	0.01	0.01	0.02	0.33		7.1%	7.1%	1.8%	1.8%	4.9%	100.0%	0.02	0.02	0.01	0.01	0.01	0.13	38.7%	4.9%	5.5%	1.5%	1.5%	1.8%	38.7%
9			13		2	0.01	0.01	0.01	0.07	0.01	0.29		4.8%	3.4%	2.4%	25.1%	3.4%	100.0%	0.01	0.01	0.01	0.05	0.01	0.09	30.6%	2.7%	2.4%	2.1%	16.2%	1.7%	30.6%
10			18		2	0.02	0.02	0.00	0.04	0.01	0.27		7.3%	5.8%	0.7%	15.0%	2.6%	100.0%	0.01	0.01	0.00	0.03	0.00	0.10	34.7%	4.7%	4.4%	0.7%	10.2%	1.1%	34.7%
11			19		2	0.02	0.02	0.01	0.01	0.01	0.30		6.8%	8.1%	2.4%	4.1%	4.7%	100.0%	0.01	0.02	0.01	0.01	0.01	0.16	53.2%	4.1%	6.8%	1.7%	2.7%	2.4%	53.2%
12			20		2	0.01	0.01	0.01	0.02	0.01	0.24		5.8%	5.4%	5.4%	8.7%	2.1%	100.0%	0.01	0.01	0.01	0.02	0.00	0.08	32.2%	4.1%	3.3%	4.1%	6.2%	1.2%	32.2%
13			24		5	0.04	0.02	0.01	0.13	0.02	0.67		6.1%	3.4%	1.0%	19.1%	2.5%	100.0%	0.03	0.02	0.01	0.09	0.01	0.22	32.0%	3.9%	2.7%	0.7%	13.6%	1.3%	32.0%
14			25		5	0.05	0.03	0.01	0.08	0.02	0.67		7.8%	4.5%	1.1%	12.3%	2.3%	100.0%	0.04	0.02	0.01	0.06	0.01	0.29	43.5%	5.3%	3.6%	0.8%	8.7%	1.1%	43.5%
15			26		5	0.09	0.09	0.02	0.03	0.04	0.68		13.0%	13.0%	2.4%	4.4%	6.2%	100.0%	0.06	0.07	0.01	0.02	0.02	0.36	52.5%	8.7%	10.5%	1.8%	2.8%	3.2%	52.5%
16			27		5	0.07	0.05	0.01	0.04	0.04	0.68		10.9%	7.3%	1.6%	6.5%	5.7%	100.0%	0.05	0.04	0.01	0.03	0.02	0.31	45.2%	7.9%	5.9%	1.0%	3.7%	2.5%	45.2%
17			28		5	0.03	0.06	0.04	0.05	0.02	0.62		5.0%	9.4%	6.8%	7.3%	2.6%	100.0%	0.02	0.03	0.03	0.04	0.01	0.20	31.8%	3.9%	5.5%	5.5%	6.2%	1.8%	31.8%
18			34		5	0.02	0.01	0.02	0.25	0.04	0.76		2.9%	1.5%	2.9%	32.8%	5.2%	100.0%	0.02	0.01	0.02	0.17	0.02	0.20	27.0%	2.3%	0.9%	2.4%	23.0%	2.3%	27.0%
19			35		5	0.05	0.06	0.02	0.04	0.03	0.60		7.9%	9.8%	3.3%	6.3%	5.6%	100.0%	0.03	0.04	0.02	0.02	0.02	0.30	50.0%	5.5%	7.3%	2.5%	3.5%	2.5%	50.0%
20			36		5	0.06	0.12	0.01	0.02	0.05	0.74		8.7%	15.6%	1.1%	3.3%	6.2%	100.0%	0.05	0.10	0.01	0.02	0.02	0.39	53.3%	6.2%	12.9%	0.8%	2.0%	2.2%	53.3%
21			37		5	0.05	0.03	0.02	0.07	0.03	0.54		9.5%	6.1%	3.2%	12.8%	5.2%	100.0%	0.03	0.03	0.01	0.05	0.01	0.27	49.5%	6.1%	4.8%	2.6%	9.7%	2.4%	49.5%
22			128		1	0.00	0.00	0.00	0.02	0.00	0.20		1.5%	1.0%	0.5%	8.3%	1.0%	100.0%	0.00	0.00	0.00	0.01	0.00	0.09	45.1%	1.0%	0.5%	0.5%	5.9%	0.5%	45.1%
23			130		1	0.00	0.00	0.00	0.02	0.00	0.25		0.8%	0.8%	0.8%	8.2%	1.2%	100.0%	0.00	0.00	0.00	0.02	0.00	0.11	44.1%	0.8%	0.8%	0.4%	6.5%	0.4%	44.1%
24			132		1	0.00	0.00	0.00	0.01	0.00	0.26		0.8%	1.2%	0.8%	5.4%	0.8%	100.0%	0.00	0.00	0.00	0.01	0.00	0.12	44.4%	0.4%	0.8%	0.8%	4.2%	0.4%	44.4%
25			134		1	0.00	0.00	0.00	0.01	0.00	0.25		0.4%	0.8%	1.2%	3.6%	0.8%	100.0%	0.00	0.00	0.00	0.01	0.00	0.14	54.4%	0.4%	0.8%	0.8%	2.8%	0.4%	54.4%
26			136		1	0.00	0.01	0.00	0.00	0.00	0.17		1.8%	3.5%	2.4%	2.4%	1.2%	100.0%	0.00	0.00	0.00	0.00	0.00	0.09	50.6%	1.2%	2.4%	1.8%	1.8%	0.6%	50.6%
27			138		2	0.01	0.01	0.00	0.06	0.01	0.43		1.2%	1.2%	0.7%	14.7%	2.1%	100.0%	0.01	0.00	0.00	0.05	0.00	0.23	52.8%	1.2%	0.9%	0.7%	11.5%	0.9%	52.8%
28			139		2	0.00	0.01	0.00	0.03	0.01	0.51		0.8%	1.2%	0.4%	6.5%	1.0%	100.0%	0.00	0.01	0.00	0.03	0.00	0.30	59.4%	0.6%	1.0%	0.2%	5.3%	0.4%	59.4%
29			140		2	0.00	0.01	0.00	0.01	0.00	0.58		0.5%	1.0%	0.7%	1.0%	0.3%	100.0%	0.00	0.00	0.00	0.00	0.00	0.32	55.9%	0.5%	0.7%	0.5%	0.7%	0.2%	55.9%
30			141		2	0.00	0.01	0.01	0.05	0.01	0.44		0.7%	1.6%	1.1%	11.3%	1.4%	100.0%	0.00	0.01	0.00	0.04	0.00	0.19	43.2%	0.7%	1.1%	0.9%	8.7%	0.7%	43.2%
31			146		2	0.01	0.00	0.00	0.06	0.01	0.45		1.6%	0.7%	0.4%	13.3%	1.6%	100.0%	0.01	0.00	0.00	0.04	0.00	0.21	47.0%	1.1%	0.4%	0.4%	9.9%	0.9%	47.0%
32	K	Patch	147		2	0.00	0.01	0.00	0.03	0.00	0.55		0.7%	0.9%	0.4%	4.6%	0.2%	100.0%	0.00	0.00	0.00	0.02	0.00	0.32	57.8%	0.6%	0.6%	0.2%	2.9%	0.2%	57.8%
33			148		2	0.01	0.01	0.01	0.02	0.00	0.60		0.8%	1.0%	1.2%	3.5%	0.5%	100.0%	0.00	0.01	0.01	0.02	0.00	0.31	52.0%	0.5%	0.8%	0.8%	2.7%	0.2%	52.0%
34			152		5	0.02	0.02	0.00	0.16	0.02	1.19		1.9%	1.3%	0.2%	13.8%	1.9%	100.0%	0.01	0.01	0.00	0.13	0.01	0.53	45.0%	1.1%	1.0%	0.1%	10.6%	0.8%	45.0%
35			153		5	0.02	0.02	0.00	0.16	0.01	1.23		1.9%	1.5%	0.3%	13.2%	1.1%	100.0%	0.02	0.02	0.00	0.12	0.01	0.63	51.0%	1.2%	1.3%	0.2%	10.0%	0.5%	51.0%
36			154		5	0.01	0.03	0.00	0.03	0.00	1.18		0.9%	2.2%	0.3%	2.4%	0.3%	100.0%	0.01	0.02	0.00	0.02	0.00	0.89	75.1%	0.7%	1.5%	0.2%	1.8%	0.2%	75.1%
37			155		5	0.01	0.03	0.00	0.01	0.01	1.44		0.5%	1.9%	0.2%	0.9%	0.6%	100.0%	0.01	0.02	0.00	0.01	0.01	1.02	71.1%	0.3%	1.3%	0.1%	0.7%	0.3%	71.1%
38			156		5	0.02	0.05	0.04	0.02	0.02	1.76		1.0%	2.8%	2.1%	0.9%	1.1%	100.0%	0.01	0.03	0.03	0.01	0.01	0.96	54.5%	0.7%	1.9%	1.8%	0.7%	0.6%	54.5%
39			162		5	0.02	0.02	0.00	0.17	0.02	1.16		2.0%	1.3%	0.2%	14.2%	1.9%	100.0%	0.01	0.01	0.00	0.13	0.01	0.53	45.4%	1.1%	1.0%	0.2%	10.9%	0.8%	45.4%
40			163		5	0.02	0.02	0.00	0.04	0.01	1.12		2.0%	1.9%	0.4%	3.5%	0.6%	100.0%	0.02	0.02	0.00	0.02	0.00	0.80	71.4%	1.4%	1.3%	0.3%	2.1%	0.4%	71.4%
41			164		5	0.01	0.03	0.00	0.02	0.01	1.27		0.8%	2.3%	0.3%	1.3%	0.4%	100.0%	0.01	0.02	0.00	0.01	0.00	0.95	75.1%	0.6%	1.6%	0.2%	0.9%	0.2%	75.1%
42			165		5	0.01	0.04	0.02	0.01	0.01	1.79		0.8%	2.2%	1.3%	0.6%	0.7%	100.0%	0.01	0.03	0.02	0.01	0.01	1.13	63.4%	0.6%	1.6%	1.0%	0.4%	0.4%	63.4%
43			0	128	2	0.01	0.01	0.00	0.07	0.01	0.43		3.0%	2.1%	0.9%	15.9%	1.9%	100.0%	0.01	0.01	0.00	0.05	0.00	0.19	44.8%	1.9%	1.6%	0.7%	11.0%	0.9%	44.8%
44			2	130	2	0.02	0.01	0.01	0.07	0.01	0.48		3.7%	2.5%	1.7%	14.1%	2.1%	100.0%	0.01	0.01	0.01	0.05	0.00	0.21	43.0%	2.3%	2.1%	1.5%	10.6%	0.8%	43.0%
45			4	132	2	0.02	0.01	0.01	0.04	0.01	0.44		3.9%	2.5%	2.8%	10.1%	1.8%	100.0%	0.01	0.01	0.01	0.03	0.00	0.17	39.2%	2.3%	1.8%	2.3%	7.6%	0.9%	39.2%
46			6	134	2	0.01	0.01	0.01	0.03	0.01	0.45		2.5%	2.2%	2.5%	7.4%	1.6%	100.0%	0.01	0.01	0.01	0.03	0.00	0.19	43.0%	1.6%	1.8%	2.2%	5.8%	0.9%	43.0%
47			8	136	2	0.02	0.02	0.02	0.01	0.01	0.39		4.4%	5.7%	5.4%	3.3%	2.6%	100.0%	0.01	0.01	0.02	0.01	0.01	0.21	53.7%	2.1%	3.6%	3.9%	2.3%	1.3%	53.7%
48			10	138	4	0.02	0.02	0.03	0.18	0.03	0.96		2.2%	1.9%	3.1%	18.4%	2.9%	100.0%	0.01	0.01	0.02	0.14	0.01	0.42	44.0%	1.3%	1.5%	2.5%	14.2%	1.3%	44.0%
49			11	139	4	0.03	0.03	0.01	0.14	0.02	0.79		4.1%	3.5%	0.9%	17.2%	2.4%	100.0%	0.02	0.02	0.01	0.10	0.01	0.45	56.6%	2.7%	2.9%	0.6%	13.0%	1.0%	56.6%
50			12	140	4	0.04	0.03	0.01	0.02	0.02	1.08		3.2%	2.7%	1.2%	2.1%	2.2%	100.0%	0.02	0.02	0.01	0.02	0.01	0.54	50.1%	2.2%	2.0%	1.0%	1.5%	0.8%	50.1%
51			13	141	4	0.02	0.03	0.02	0.21	0.03	0.82		2.4%	3.5%	2.3%	25.7%	3.4%	100.0%	0.01	0.02	0.02	0.15	0.01	0.37	44.3%	1.7%	2.3%	2.1%	18.3%	1.5%	44.3%
52			18	146	4	0.03	0.03	0.01	0.18	0.02	0.94		3.2%	2.8%	0.8%	18.6%	2.4%	100.0%	0.02	0.02	0.01	0.13	0.01	0.37	38.7%	1.8%	2.1%	0.6%	13.5%	1.1%	38.7%
53			19	147	4	0.03	0.03	0.01	0.04	0.02	0.71		3.8%	4.8%	1.5%	5.1%	2.4%	100.0%	0.02	0.03	0.01	0.03	0.01	0.40	55.8%	2.4%	3.8%	1.1%	3.7%	1.1%	55.8%
54			20	148	4	0.02	0.03	0.03	0.07	0.01	0.97		2.3%	3.2%	3.2%	7.3%	1.4%	100.0%	0.02	0.02	0.02	0.06	0.01	0.44	45.5%	1.6%	2.1%	2.4%	5.9%	0.8%	45.5%
55			24	152	10	0.09	0.07	0.02	0.53	0.07	2.83		3.3%	2.5%	0.5%	18.6%	2.5%	100.0%	0.06	0.06	0.01	0.39	0.03	1.07	37.9%	2.1%	2.1%	0.4%	13.7%	1.1%	37.9%
56			25	153	10	0.10	0.09	0.01	0.37	0.04	2.80		3.5%	3.4%	0.5%	13.3%	1.6%	100.0%	0.07	0.08	0.01	0.28	0.02	1.29	46.2%	2.3%	2.7%	0.4%	10.2%	0.8%	46.2%
57			26	154	10	0.14	0.12	0.03	0.08	0.06	2.22		6.2%	5.2%	1.3%	3.7%	2.8%	100.0%	0.09	0.09	0.02	0.06	0.03	1.50	67.5%	4.0%	4.2%	1.0%	2.7%	1.2%	67.5%
58			27	155	10	0.11	0.09	0.01	0.07	0.06	2.36		4.4%	3.6%	0.5%	2.8%	2.5%	100.0%	0.08	0.06	0.01	0.04	0.03	1.66	70.1%	3.2%	2.7%	0.3%	1.9%	1.1%	70.1%
59			28	156	10	0.07	0.21	0.15	0.09	0.07	3.15		2.3%	6.5%	4.6%	2.7%	2.2%	100.0%	0.06	0.12	0.11	0.07	0.04	1.48	47.1%	1.9%	3.9%	3.4%	2.1%	1.4%	47.1%
60			34	162	10	0.09	0.04	0.03	0.72	0.12	2.72		3.2%	1.5%	1.2%	26.4%	4.3%	100.0%	0.06	0.03	0.03	0.54	0.05	0.97	35.8%	2.0%	1.2%	1.0%	19.9%	1.7%	35.8%
61			35	163	10	0.10	0.10	0.04	0.08	0.05	2.21		4.6%	4.5%	1.8%	3.7%	2.1%	100.0%	0.07	0.08	0.03	0.05	0.02	1.42	64.2%	2.9%	3.4%	1.4%	2.4%	1.0%	64.2%
62			36	164	10	0.10	0.15	0.01	0.04	0.05	2.31		4.2%	6.4%	0.6%	1.8%	2.2%	100.0%	0.07	0.12	0.01	0.03	0.02	1.62	70.2%	2.9%	5.2%	0.4%	1.2%	1.0%	70.2%
63			37	165	10	0.09	0.13	0.08	0.10	0.04	2.58		3.3%	5.1%	3.0%	3.8%	1.6%	100.0%	0.05	0.09	0.06	0.07	0.03	1.59	61.7%	1.7%	3.4%	2.2%	2.7%	1.0%	61.7%

- K–patch High CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)							max ratio out of all beams						4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
													20.3%	13.3%	7.5%	35.2%	14.6%	100.0%							74.0%	11.8%	11.1%	5.6%	25.0%	5.3%	74.0%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
1			0		1	0.01	0.01	0.00	0.03	0.00	0.15		8.6%	3.3%	1.3%	18.4%	2.6%	100.0%	0.01	0.00	0.00	0.02	0.00	0.06	41.4%	3.9%	2.6%	0.7%	11.8%	1.3%	41.4%
2			2		1	0.01	0.01	0.00	0.02	0.01	0.15		6.0%	4.6%	2.0%	13.2%	4.6%	100.0%	0.01	0.01	0.00	0.01	0.00	0.06	38.4%	3.3%	3.3%	1.3%	8.6%	1.3%	38.4%
3			4		1	0.01	0.01	0.01	0.02	0.01	0.13		11.2%	5.6%	4.0%	12.0%	5.6%	100.0%	0.01	0.01	0.00	0.01	0.00	0.05	37.6%	6.4%	4.8%	3.2%	8.8%	2.4%	37.6%
4			6		1	0.01	0.01	0.01	0.01	0.01	0.14		8.0%	6.6%	3.6%	6.6%	5.8%	100.0%	0.01	0.01	0.00	0.01	0.00	0.04	29.9%	4.4%	5.1%	2.9%	5.1%	2.9%	29.9%
5			8		1	0.01	0.01	0.01	0.01	0.01	0.14		5.8%	4.4%	4.4%	4.4%	4.4%	100.0%	0.01	0.01	0.00	0.01	0.00	0.05	39.4%	3.6%	3.6%	2.9%	3.6%	1.5%	39.4%
6			10		2	0.01	0.01	0.02	0.04	0.01	0.21		6.5%	2.8%	7.5%	20.6%	3.7%	100.0%	0.01	0.00	0.01	0.03	0.00	0.08	36.0%	4.2%	1.9%	5.6%	15.9%	1.9%	36.0%
7			11		2	0.02	0.01	0.00	0.05	0.02	0.27		7.4%	4.0%	1.1%	17.3%	5.5%	100.0%	0.01	0.01	0.00	0.03	0.01	0.10	36.8%	4.0%	3.7%	0.7%	10.3%	2.2%	36.8%
8			12		2	0.03	0.02	0.01	0.01	0.02	0.27		11.9%	6.7%	2.6%	3.3%	7.4%	100.0%	0.02	0.01	0.01	0.01	0.01	0.11	42.2%	7.4%	5.2%	1.9%	1.9%	3.0%	42.2%
9			13		2	0.03	0.01	0.01	0.08	0.01	0.31		8.0%	2.5%	2.2%	25.5%	2.9%	100.0%	0.02	0.01	0.01	0.05	0.00	0.09	29.6%	4.8%	1.9%	1.9%	16.9%	1.3%	29.6%
10			18		2	0.02	0.01	0.00	0.05	0.02	0.27		7.4%	4.0%	1.1%	17.3%	5.5%	100.0%	0.01	0.01	0.00	0.03	0.01	0.10	36.8%	4.0%	3.7%	0.7%	10.3%	2.2%	36.8%
11			19		2	0.03	0.02	0.00	0.01	0.03	0.26		10.0%	9.2%	1.5%	4.2%	10.0%	100.0%	0.01	0.02	0.00	0.01	0.01	0.12	46.5%	5.4%	7.3%	1.2%	3.1%	3.8%	46.5%
12			20		2	0.01	0.01	0.01	0.02	0.01	0.27		5.1%	4.0%	4.0%	6.9%	2.9%	100.0%	0.01	0.01	0.01	0.02	0.01	0.08	30.7%	3.3%	2.6%	2.9%	5.5%	1.8%	30.7%
13			24		5	0.05	0.03	0.01	0.16	0.02	0.69		7.7%	3.6%	1.3%	23.4%	2.5%	100.0%	0.03	0.02	0.01	0.11	0.01	0.25	36.0%	3.9%	2.9%	0.9%	15.3%	1.2%	36.0%
14			25		5	0.05	0.03	0.01	0.07	0.02	0.76		6.4%	4.5%	1.2%	9.3%	3.2%	100.0%	0.03	0.03	0.01	0.06	0.01	0.32	42.6%	3.6%	3.3%	0.8%	7.4%	1.2%	42.6%
15			26		5	0.09	0.08	0.01	0.04	0.06	0.57		16.0%	13.3%	2.5%	7.7%	10.2%	100.0%	0.04	0.06	0.01	0.02	0.02	0.31	54.6%	7.2%	11.1%	1.8%	4.2%	3.5%	54.6%
16			27		5	0.11	0.06	0.01	0.03	0.05	0.63		17.7%	9.5%	1.6%	5.4%	7.8%	100.0%	0.07	0.05	0.01	0.02	0.02	0.31	48.3%	11.3%	7.8%	1.3%	3.3%	3.5%	48.3%
17			28		5	0.04	0.05	0.04	0.04	0.02	0.79		5.6%	5.8%	5.4%	5.6%	2.1%	100.0%	0.03	0.03	0.03	0.03	0.01	0.29	36.5%	3.7%	3.8%	4.2%	3.7%	1.3%	36.5%
18			34		5	0.02	0.01	0.02	0.27	0.04	0.78		2.7%	0.8%	2.5%	35.2%	5.7%	100.0%	0.02	0.01	0.02	0.19	0.02	0.22	27.7%	1.9%	0.6%	1.9%	25.0%	2.5%	27.7%
19			35		5	0.06	0.07	0.01	0.06	0.03	0.59		9.3%	12.2%	2.0%	9.3%	5.1%	100.0%	0.03	0.06	0.01	0.03	0.01	0.30	50.2%	4.4%	10.0%	1.4%	5.4%	1.9%	50.2%
20			36		5	0.11	0.06	0.01	0.03	0.08	0.53		20.3%	11.6%	0.9%	4.7%	14.6%	100.0%	0.06	0.05	0.00	0.02	0.03	0.27	50.8%	11.8%	8.6%	0.8%	3.0%	5.3%	50.8%
21			37		5	0.07	0.04	0.01	0.06	0.02	0.57		12.9%	6.3%	1.9%	10.6%	4.0%	100.0%	0.05	0.03	0.01	0.04	0.01	0.28	49.0%	8.7%	4.7%	1.6%	7.5%	1.9%	49.0%
22			128		1	0.00	0.00	0.00	0.03	0.00	0.23		1.3%	0.9%	0.9%	10.8%	1.3%	100.0%	0.00	0.00	0.00	0.02	0.00	0.10	43.1%	0.9%	0.4%	0.9%	7.8%	0.4%	43.1%
23			130		1	0.00	0.00	0.00	0.02	0.00	0.28		0.7%	1.1%	0.7%	8.5%	1.4%	100.0%	0.00	0.00	0.00	0.02	0.00	0.12	42.9%	0.7%	0.7%	0.7%	6.4%	0.7%	42.9%
24			132		1	0.00	0.00	0.00	0.02	0.00	0.28		1.1%	0.7%	0.7%	5.3%	1.1%	100.0%	0.00	0.00	0.00	0.01	0.00	0.13	44.4%	0.7%	0.4%	0.7%	4.2%	0.4%	44.4%
25			134		1	0.00	0.00	0.00	0.01	0.00	0.28		0.4%	1.1%	1.1%	3.2%	0.7%	100.0%	0.00	0.00	0.00	0.01	0.00	0.15	53.7%	0.4%	0.7%	0.7%	2.5%	0.4%	53.7%
26			136		1	0.00	0.01	0.00	0.00	0.00	0.17		1.8%	3.0%	2.4%	2.4%	1.2%	100.0%	0.00	0.00	0.00	0.00	0.00	0.09	53.6%	1.2%	2.4%	1.8%	1.8%	0.6%	53.6%
27			138		2	0.01	0.01	0.00	0.07	0.01	0.48		1.2%	1.0%	0.8%	15.1%	2.7%	100.0%	0.00	0.00	0.00	0.06	0.01	0.25	51.9%	0.8%	0.8%	0.6%	11.4%	1.2%	51.9%
28			139		2	0.01	0.01	0.00	0.04	0.01	0.56		1.1%	1.1%	0.5%	6.3%	1.1%	100.0%	0.00	0.01	0.00	0.03	0.00	0.33	59.2%	0.7%	0.9%	0.4%	5.0%	0.4%	59.2%
29			140		2	0.00	0.01	0.01	0.01	0.00	0.64		0.6%	1.1%	0.8%	1.1%	0.3%	100.0%	0.00	0.01	0.00	0.00	0.00	0.36	56.7%	0.5%	0.8%	0.6%	0.6%	0.3%	56.7%
30			141		2	0.00	0.01	0.01	0.07	0.01	0.50		0.6%	1.4%	1.8%	13.0%	1.8%	100.0%	0.00	0.01	0.01	0.05	0.00	0.22	43.7%	0.4%	1.0%	1.4%	9.6%	0.8%	43.7%
31			146		2	0.01	0.00	0.00	0.08	0.01	0.52		1.2%	0.8%	0.8%	15.8%	2.3%	100.0%	0.00	0.00	0.00	0.06	0.01	0.22	42.9%	0.8%	0.6%	0.6%	11.2%	1.0%	42.9%
32	K	Patch	147		2	0.00	0.01	0.00	0.03	0.00	0.61		0.7%	1.1%	0.2%	4.3%	0.3%	100.0%	0.00	0.01	0.00	0.02	0.00	0.35	57.4%	0.5%	0.8%	0.2%	2.8%	0.2%	57.4%
33			148		2	0.01	0.01	0.01	0.03	0.01	0.67		1.1%	1.2%	1.1%	3.9%	0.8%	100.0%	0.01	0.01	0.01	0.02	0.00	0.35	52.0%	0.8%	0.9%	0.9%	2.9%	0.3%	52.0%
34			152		5	0.01	0.02	0.00	0.20	0.03	1.34		1.0%	1.4%	0.2%	15.0%	2.3%	100.0%	0.01	0.02	0.00	0.14	0.01	0.59	43.8%	0.7%	1.1%	0.1%	10.7%	0.9%	43.8%
35			153		5	0.02	0.02	0.00	0.17	0.02	1.37		1.2%	1.7%	0.1%	12.2%	1.4%	100.0%	0.01	0.02	0.00	0.13	0.01	0.68	49.7%	0.9%	1.4%	0.1%	9.7%	0.5%	49.7%
36			154		5	0.01	0.03	0.00	0.04	0.01	1.31		1.1%	2.4%	0.2%	3.0%	0.5%	100.0%	0.01	0.02	0.00	0.03	0.00	0.97	74.0%	0.8%	1.7%	0.2%	2.2%	0.2%	74.0%
37			155		5	0.01	0.03	0.00	0.02	0.01	1.59		0.8%	2.0%	0.2%	1.0%	0.7%	100.0%	0.01	0.02	0.00	0.01	0.01	1.12	70.4%	0.6%	1.5%	0.1%	0.8%	0.4%	70.4%
38			156		5	0.02	0.05	0.05	0.02	0.02	1.86		1.2%	2.8%	2.5%	1.1%	1.3%	100.0%	0.02	0.04	0.03	0.02	0.02	1.06	56.6%	0.9%	1.9%	1.8%	0.9%	0.8%	56.6%
39			162		5	0.01	0.02	0.00	0.20	0.03	1.31		1.1%	1.4%	0.2%	15.4%	2.4%	100.0%	0.01	0.02	0.00	0.14	0.01	0.58	44.1%	0.8%	1.1%	0.2%	11.0%	0.9%	44.1%
40			163		5	0.02	0.03	0.01	0.04	0.01	1.25		1.8%	2.0%	0.4%	3.3%	0.6%	100.0%	0.02	0.02	0.00	0.02	0.00	0.91	72.2%	1.2%	1.5%	0.3%	1.7%	0.3%	72.2%
41			164		5	0.01	0.04	0.00	0.02	0.01	1.41		0.8%	2.5%	0.3%	1.2%	0.4%	100.0%	0.01	0.03	0.00	0.01	0.00	1.04	73.2%	0.6%	1.8%	0.2%	0.8%	0.2%	73.2%
42			165		5	0.02	0.04	0.03	0.01	0.02	1.87		1.1%	2.3%	1.3%	0.7%	0.8%	100.0%	0.01	0.03	0.02	0.01	0.01	1.22	65.2%	0.7%	1.7%	1.0%	0.5%	0.5%	65.2%
43			0	128	2	0.02	0.01	0.01	0.09	0.01	0.45		4.2%	2.2%	1.3%	19.5%	2.7%	100.0%	0.01	0.01	0.00	0.06	0.01	0.20	43.4%	2.0%	1.5%	0.9%	12.8%	1.1%	43.4%
44			2	130	2	0.01	0.01	0.01	0.08	0.01	0.52		2.7%	1.7%	1.6%	15.1%	2.1%	100.0%	0.01	0.01	0.01	0.05	0.01	0.21	41.6%	1.7%	1.4%	1.2%	10.1%	1.0%	41.6%
45			4	132	2	0.02	0.01	0.01	0.05	0.01	0.47		4.7%	2.1%	2.5%	11.4%	2.5%	100.0%	0.01	0.01	0.01	0.04	0.01	0.19	40.2%	2.3%	1.7%	1.9%	8.7%	1.1%	40.2%
46			6	134	2	0.01	0.01	0.01	0.03	0.01	0.47		2.8%	3.0%	2.3%	6.8%	2.3%	100.0%	0.01	0.01	0.01	0.02	0.01	0.21	43.6%	1.7%	2.3%	1.9%	5.1%	1.1%	43.6%
47			8	136	2	0.01	0.02	0.02	0.02	0.01	0.39		3.1%	3.9%	4.1%	3.9%	2.8%	100.0%	0.01	0.01	0.01	0.01	0.00	0.22	55.4%	2.1%	2.8%	3.1%	2.8%	1.0%	55.4%
48			10	138	4	0.03	0.02	0.03	0.21	0.04	0.98		2.8%	1.5%	3.5%	21.8%	3.6%	100.0%	0.02	0.01	0.03	0.16	0.02	0.45	45.8%	1.8%	1.1%	2.7%	16.2%	1.5%	45.8%
49			11	139	4	0.03	0.03	0.01	0.13	0.02	0.85		3.9%	3.3%	0.8%	15.5%	2.5%	100.0%	0.02	0.02	0.01	0.09	0.01	0.42	49.9%	2.1%	2.5%	0.7%	11.0%	1.2%	49.9%
50			12	140	4	0.05	0.03	0.02	0.02	0.03	1.06		4.5%	2.4%	1.5%	2.1%	2.7%	100.0%	0.03	0.02	0.01	0.01	0.01	0.55	51.7%	2.8%	1.7%	1.2%	1.3%	1.0%	51.7%
51			13	141	4	0.04	0.03	0.02	0.26	0.03	0.91		4.1%	3.1%	2.6%	28.1%	3.6%	100.0%	0.02	0.02	0.02	0.18	0.02	0.40	43.5%	2.4%	2.0%	1.9%	19.2%	1.6%	43.5%
52			18	146	4	0.03	0.02	0.01	0.21	0.03	0.97		3.1%	2.2%	0.8%	21.8%	3.2%	100.0%	0.02	0.02	0.01	0.14	0.02	0.37	38.6%	1.8%	1.7%	0.7%	14.2%	1.6%	38.6%
53			19	147	4	0.04	0.05	0.01	0.05	0.03	0.78		4.6%	6.4%	0.9%	6.0%	4.1%	100.0%	0.02	0.04	0.01	0.04	0.01	0.44	56.5%	2.4%	5.1%	0.6%	4.5%	1.4%	56.5%
54			20	148	4	0.03	0.03	0.03	0.08	0.02	1.07		2.5%	2.9%	3.1%	7.8%	1.6%	100.0%	0.02	0.02	0.03	0.06	0.01	0.48	44.6%	1.7%	2.1%	2.3%	5.9%	0.8%	44.6%
55			24	152	10	0.10	0.07	0.02	0.60	0.08	2.89		3.4%	2.3%	0.7%	20.7%	2.6%	100.0%	0.05	0.05	0.01	0.40	0.03	1.11	38.4%	1.7%	1.8%	0.5%	13.8%	1.1%	38.4%
56			25	153	10	0.10	0.10	0.02	0.39	0.05	2.94		3.4%	3.2%	0.5%	13.1%	1.5%	100.0%	0.06	0.08	0.01	0.31	0.03	1.34	45.5%	1.9%	2.6%	0.4%	10.5%	0.9%	45.5%
57			26	154	10	0.15	0.09	0.03	0.13	0.09	2.22		6.8%	4.2%	1.2%	5.7%	4.1%	100.0%	0.07	0.08	0.02	0.09	0.03	1.54	69.6%	3.1%	3.4%	0.9%	3.8%	1.5%	69.6%
58			27	155	10	0.15	0.14	0.02	0.08	0.08	2.56		6.0%	5.6%	0.6%	3.0%	3.2%	100.0%	0.10	0.11	0.01	0.05	0.03	1.80	70.5%	3.8%	4.4%	0.5%	1.9%	1.3%	70.5%
59			28	156	10	0.10	0.19	0.16	0.11	0.08	3.54		2.7%	5.5%	4.6%	3.0%	2.3%	100.0%	0.07	0.13	0.12	0.07	0.05	1.67	47.2%	2.0%	3.6%	3.2%	1.9%	1.4%	47.2%
60			34	162	10	0.07	0.04	0.03	0.84	0.14	2.80		2.3%	1.4%	1.1%	30.0%	5.1%	100.0%	0.04	0.03	0.03	0.61	0.06	1.00	35.8%	1.5%	1.1%	0.9%	21.9%	2.1%	35.8%
61			35	163	10	0.09	0.09	0.02	0.13	0.05	2.28		3.8%	3.7%	1.0%	5.6%	2.2%	100.0%	0.05	0.07	0.02	0.07	0.02	1.48	65.0%	2.3%	2.9%	0.7%	3.2%	0.9%	65.0%
62			36	164	10	0.14	0.12	0.02	0.05	0.12	2.34		5.8%	5.0%	0.6%	2.0%	5.1%	100.0%	0.08	0.09	0.01	0.03	0.04	1.65	70.7%	3.5%	3.9%	0.4%	1.4%	1.7%	70.7%
63			37	165	10	0.12	0.10	0.07	0.10	0.04	2.80		4.2%	3.5%	2.4%	3.5%	1.3%	100.0%	0.07	0.07	0.05	0.07	0.02	1.77	63.2%	2.4%	2.4%	1.7%	2.4%	0.8%	63.2%

[Folder Closed Status]

- K–patch Low CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)							max ratio out of all beams						4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
													23.8%	61.6%	8.2%	31.9%	4.4%	100.0%							76.4%	15.5%	42.1%	6.4%	23.1%	2.5%	76.4%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
1			0		1	0.02	0.03	0.00	0.01	0.00	0.10		17.7%	35.4%	1.0%	13.5%	4.2%	100.0%	0.01	0.02	0.00	0.01	0.00	0.04	37.5%	11.5%	17.7%	1.0%	10.4%	2.1%	37.5%
2			2		1	0.01	0.04	0.00	0.01	0.00	0.12		10.4%	35.7%	2.6%	11.3%	2.6%	100.0%	0.01	0.03	0.00	0.01	0.00	0.04	36.5%	7.8%	23.5%	1.7%	7.8%	0.9%	36.5%
3			4		1	0.01	0.03	0.01	0.01	0.00	0.09		10.1%	36.0%	5.6%	13.5%	2.2%	100.0%	0.01	0.02	0.00	0.01	0.00	0.03	29.2%	6.7%	19.1%	4.5%	10.1%	1.1%	29.2%
4			6		1	0.01	0.05	0.00	0.01	0.00	0.11		8.8%	39.8%	3.5%	7.1%	1.8%	100.0%	0.01	0.02	0.00	0.01	0.00	0.04	31.0%	5.3%	19.5%	2.7%	4.4%	0.9%	31.0%
5			8		1	0.01	0.04	0.01	0.01	0.00	0.12		8.5%	30.8%	5.1%	6.8%	1.7%	100.0%	0.01	0.02	0.01	0.01	0.00	0.05	39.3%	4.3%	16.2%	4.3%	4.3%	0.9%	39.3%
6			10		2	0.01	0.04	0.01	0.04	0.00	0.17		7.6%	24.6%	8.2%	20.5%	2.3%	100.0%	0.01	0.02	0.01	0.02	0.00	0.05	28.1%	4.7%	12.9%	6.4%	14.0%	1.8%	28.1%
7			11		2	0.02	0.08	0.00	0.02	0.01	0.20		11.5%	40.0%	1.5%	11.0%	3.0%	100.0%	0.02	0.05	0.00	0.02	0.00	0.06	32.0%	8.5%	23.5%	1.5%	7.5%	2.0%	32.0%
8			12		2	0.04	0.10	0.01	0.01	0.01	0.24		14.6%	42.7%	3.3%	3.3%	2.5%	100.0%	0.02	0.07	0.01	0.01	0.00	0.09	36.8%	10.0%	27.6%	2.5%	2.1%	1.7%	36.8%
9			13		2	0.02	0.06	0.01	0.04	0.00	0.20		8.6%	32.0%	3.0%	22.3%	2.0%	100.0%	0.01	0.03	0.01	0.03	0.00	0.06	28.4%	5.6%	16.2%	2.5%	16.2%	1.0%	28.4%
10			18		2	0.02	0.08	0.00	0.02	0.01	0.20		11.5%	40.0%	1.5%	11.0%	3.0%	100.0%	0.02	0.05	0.00	0.02	0.00	0.06	32.0%	8.5%	23.5%	1.5%	7.5%	2.0%	32.0%
11			19		2	0.03	0.13	0.00	0.01	0.01	0.23		10.8%	55.2%	1.7%	4.7%	3.0%	100.0%	0.02	0.07	0.00	0.01	0.00	0.11	47.4%	6.5%	30.6%	1.3%	2.6%	1.7%	47.4%
12			20		2	0.01	0.06	0.01	0.02	0.00	0.21		6.2%	30.3%	6.2%	9.5%	1.9%	100.0%	0.01	0.03	0.01	0.02	0.00	0.07	32.2%	4.7%	13.7%	5.7%	7.1%	0.9%	32.2%
13			24		5	0.03	0.20	0.01	0.11	0.01	0.48		5.6%	41.6%	1.2%	22.9%	2.5%	100.0%	0.02	0.11	0.01	0.08	0.01	0.17	34.5%	4.2%	22.5%	1.0%	16.2%	1.5%	34.5%
14			25		5	0.04	0.23	0.01	0.08	0.01	0.53		8.2%	42.8%	1.5%	14.8%	1.7%	100.0%	0.03	0.11	0.01	0.06	0.01	0.20	38.0%	5.9%	21.7%	1.1%	10.8%	1.0%	38.0%
15			26		5	0.07	0.33	0.01	0.03	0.02	0.54		13.4%	61.6%	2.0%	4.8%	3.4%	100.0%	0.05	0.23	0.01	0.02	0.01	0.30	56.6%	9.9%	42.1%	1.5%	3.2%	1.9%	56.6%
16			27		5	0.10	0.19	0.01	0.02	0.02	0.51		18.7%	36.3%	2.1%	4.3%	3.9%	100.0%	0.07	0.12	0.01	0.02	0.01	0.23	44.8%	12.7%	23.8%	1.8%	3.5%	2.1%	44.8%
17			28		5	0.03	0.18	0.03	0.03	0.01	0.49		6.6%	37.4%	6.8%	6.8%	2.3%	100.0%	0.02	0.09	0.03	0.03	0.01	0.12	23.7%	4.1%	17.9%	5.1%	6.2%	1.2%	23.7%
18			34		5	0.03	0.16	0.02	0.18	0.02	0.56		4.5%	28.1%	3.9%	31.9%	3.2%	100.0%	0.02	0.07	0.02	0.13	0.01	0.17	29.7%	2.9%	11.8%	3.0%	23.1%	2.0%	29.7%
19			35		5	0.05	0.27	0.01	0.03	0.02	0.53		10.3%	50.6%	1.7%	6.3%	3.2%	100.0%	0.03	0.17	0.01	0.02	0.01	0.24	45.2%	6.5%	32.7%	1.3%	4.2%	1.9%	45.2%
20			36		5	0.13	0.34	0.01	0.02	0.03	0.56		23.8%	60.1%	1.6%	3.7%	4.4%	100.0%	0.09	0.23	0.01	0.01	0.01	0.30	53.4%	15.5%	40.6%	1.2%	2.3%	2.5%	53.4%
21			37		5	0.06	0.12	0.01	0.04	0.01	0.36		16.3%	33.2%	3.3%	11.1%	2.5%	100.0%	0.04	0.06	0.01	0.03	0.01	0.18	49.0%	10.5%	17.7%	2.8%	6.9%	1.4%	49.0%
22			128		1	0.00	0.03	0.00	0.01	0.00	0.16		1.3%	21.3%	0.6%	8.8%	0.6%	100.0%	0.00	0.02	0.00	0.01	0.00	0.07	46.3%	0.6%	10.0%	0.6%	5.6%	0.6%	46.3%
23			130		1	0.00	0.05	0.00	0.02	0.00	0.22		0.9%	21.8%	0.9%	10.2%	0.9%	100.0%	0.00	0.02	0.00	0.02	0.00	0.09	41.2%	0.9%	10.2%	0.5%	7.9%	0.5%	41.2%
24			132		1	0.00	0.05	0.00	0.01	0.00	0.22		0.9%	21.4%	0.9%	5.5%	0.5%	100.0%	0.00	0.02	0.00	0.01	0.00	0.09	42.7%	0.5%	10.0%	0.9%	4.5%	0.5%	42.7%
25			134		1	0.00	0.06	0.00	0.01	0.00	0.21		0.5%	30.1%	1.4%	3.3%	0.5%	100.0%	0.00	0.03	0.00	0.01	0.00	0.11	53.6%	0.5%	14.8%	1.0%	2.9%	0.5%	53.6%
26			136		1	0.00	0.04	0.00	0.00	0.00	0.17		1.8%	26.3%	2.4%	2.4%	1.2%	100.0%	0.00	0.02	0.00	0.00	0.00	0.08	46.7%	1.2%	12.6%	2.4%	1.8%	0.6%	46.7%
27			138		2	0.01	0.11	0.00	0.06	0.01	0.40		1.8%	27.5%	1.0%	15.9%	1.3%	100.0%	0.01	0.05	0.00	0.05	0.00	0.19	46.9%	1.3%	12.3%	0.8%	12.8%	0.8%	46.9%
28			139		2	0.01	0.15	0.00	0.03	0.00	0.43		1.2%	34.0%	0.2%	7.2%	0.7%	100.0%	0.00	0.07	0.00	0.03	0.00	0.25	58.0%	0.7%	16.3%	0.2%	6.1%	0.5%	58.0%
29			140		2	0.00	0.14	0.00	0.01	0.00	0.48		0.6%	28.5%	0.6%	1.3%	0.4%	100.0%	0.00	0.07	0.00	0.00	0.00	0.27	55.4%	0.6%	13.8%	0.4%	0.6%	0.2%	55.4%
30			141		2	0.01	0.07	0.01	0.04	0.00	0.36		1.4%	19.3%	1.7%	12.0%	0.8%	100.0%	0.00	0.03	0.00	0.03	0.00	0.15	42.7%	0.8%	9.5%	1.1%	8.9%	0.6%	42.7%
31			146		2	0.01	0.09	0.00	0.06	0.01	0.40		1.3%	22.4%	0.5%	14.8%	1.3%	100.0%	0.00	0.04	0.00	0.05	0.00	0.16	41.2%	1.0%	8.8%	0.3%	11.3%	0.8%	41.2%
32	K	Patch	147		2	0.00	0.14	0.00	0.02	0.00	0.45		0.7%	31.1%	0.2%	4.4%	0.4%	100.0%	0.00	0.07	0.00	0.01	0.00	0.26	57.1%	0.4%	14.9%	0.2%	2.7%	0.2%	57.1%
33			148		2	0.01	0.12	0.01	0.02	0.00	0.52		1.1%	23.3%	1.3%	4.0%	0.6%	100.0%	0.00	0.05	0.01	0.02	0.00	0.27	51.1%	0.8%	10.3%	1.0%	3.1%	0.4%	51.1%
34			152		5	0.02	0.29	0.00	0.17	0.02	1.08		2.0%	26.8%	0.4%	16.0%	1.5%	100.0%	0.02	0.13	0.00	0.14	0.01	0.44	40.5%	1.6%	12.2%	0.2%	13.0%	0.8%	40.5%
35			153		5	0.02	0.32	0.00	0.13	0.01	1.09		2.0%	29.3%	0.2%	12.0%	1.3%	100.0%	0.02	0.15	0.00	0.10	0.01	0.51	46.9%	1.5%	13.9%	0.2%	8.9%	0.8%	46.9%
36			154		5	0.01	0.52	0.00	0.03	0.00	0.98		0.6%	53.0%	0.3%	2.6%	0.3%	100.0%	0.01	0.30	0.00	0.02	0.00	0.74	75.2%	0.6%	30.2%	0.2%	1.9%	0.2%	75.2%
37			155		5	0.01	0.53	0.00	0.01	0.01	1.20		0.7%	43.6%	0.1%	0.7%	0.7%	100.0%	0.01	0.29	0.00	0.01	0.01	0.85	70.7%	0.5%	24.2%	0.1%	0.4%	0.4%	70.7%
38			156		5	0.02	0.36	0.04	0.01	0.01	1.55		1.5%	23.2%	2.3%	0.6%	0.8%	100.0%	0.02	0.18	0.03	0.01	0.01	0.81	51.8%	1.0%	11.3%	1.9%	0.5%	0.6%	51.8%
39			162		5	0.02	0.29	0.00	0.18	0.02	1.06		2.0%	27.0%	0.2%	16.5%	1.5%	100.0%	0.02	0.13	0.00	0.14	0.01	0.43	40.8%	1.4%	12.3%	0.1%	13.3%	0.8%	40.8%
40			163		5	0.02	0.43	0.00	0.03	0.01	0.93		1.7%	46.2%	0.4%	3.7%	0.5%	100.0%	0.01	0.24	0.00	0.02	0.00	0.66	70.9%	1.2%	25.6%	0.3%	2.4%	0.3%	70.9%
41			164		5	0.01	0.56	0.00	0.01	0.00	1.04		0.7%	53.4%	0.1%	1.2%	0.4%	100.0%	0.01	0.32	0.00	0.01	0.00	0.80	76.4%	0.5%	31.0%	0.1%	1.0%	0.3%	76.4%
42			165		5	0.01	0.49	0.01	0.01	0.01	1.55		0.9%	31.4%	0.7%	0.4%	0.8%	100.0%	0.01	0.25	0.01	0.00	0.01	0.97	62.5%	0.6%	16.4%	0.6%	0.3%	0.5%	62.5%
43			0	128	2	0.02	0.11	0.01	0.04	0.01	0.35		6.1%	30.3%	1.4%	12.1%	1.7%	100.0%	0.02	0.05	0.00	0.03	0.00	0.15	44.5%	4.3%	14.2%	1.2%	8.1%	0.9%	44.5%
44			2	130	2	0.02	0.11	0.01	0.06	0.01	0.42		4.8%	25.4%	1.9%	13.3%	1.2%	100.0%	0.01	0.06	0.01	0.04	0.00	0.17	41.1%	3.3%	13.1%	1.4%	10.2%	0.7%	41.1%
45			4	132	2	0.02	0.11	0.01	0.04	0.00	0.38		4.5%	29.9%	3.4%	11.3%	1.0%	100.0%	0.01	0.06	0.01	0.03	0.00	0.15	38.8%	2.9%	14.4%	2.6%	8.7%	0.8%	38.8%
46			6	134	2	0.01	0.12	0.01	0.03	0.00	0.40		3.0%	28.9%	3.2%	7.0%	1.0%	100.0%	0.01	0.06	0.01	0.02	0.00	0.16	40.4%	2.0%	14.0%	2.5%	5.2%	0.5%	40.4%
47			8	136	2	0.02	0.12	0.02	0.02	0.01	0.35		5.1%	34.1%	5.7%	4.3%	2.0%	100.0%	0.01	0.05	0.02	0.01	0.00	0.19	52.8%	2.8%	15.1%	4.5%	3.1%	1.1%	52.8%
48			10	138	4	0.03	0.22	0.03	0.17	0.02	0.86		3.4%	25.6%	3.5%	20.0%	2.1%	100.0%	0.02	0.11	0.02	0.13	0.01	0.33	38.0%	2.2%	12.3%	2.7%	15.2%	1.2%	38.0%
49			11	139	4	0.03	0.29	0.01	0.09	0.01	0.68		4.3%	42.7%	1.2%	13.6%	1.3%	100.0%	0.02	0.14	0.01	0.07	0.01	0.35	52.3%	3.0%	20.8%	0.9%	10.8%	0.7%	52.3%
50			12	140	4	0.05	0.30	0.02	0.02	0.01	0.90		5.2%	33.3%	2.1%	2.0%	1.2%	100.0%	0.04	0.17	0.01	0.01	0.01	0.45	50.4%	4.0%	18.5%	1.6%	1.5%	0.7%	50.4%
51			13	141	4	0.03	0.16	0.02	0.14	0.01	0.65		4.3%	25.1%	3.2%	21.3%	1.8%	100.0%	0.02	0.08	0.02	0.10	0.01	0.28	43.0%	2.8%	11.8%	2.6%	15.4%	0.9%	43.0%
52			18	146	4	0.03	0.24	0.01	0.14	0.01	0.77		4.2%	31.8%	1.2%	17.6%	1.6%	100.0%	0.02	0.11	0.01	0.10	0.01	0.30	39.1%	3.1%	14.2%	0.9%	13.3%	0.9%	39.1%
53			19	147	4	0.03	0.21	0.01	0.03	0.01	0.59		5.6%	36.1%	1.2%	5.7%	1.7%	100.0%	0.02	0.12	0.01	0.03	0.01	0.32	54.0%	3.2%	20.6%	1.0%	4.2%	1.0%	54.0%
54			20	148	4	0.02	0.17	0.04	0.07	0.01	0.81		2.4%	21.6%	4.3%	9.1%	1.5%	100.0%	0.01	0.09	0.03	0.06	0.01	0.39	48.4%	1.6%	10.7%	3.5%	7.1%	0.9%	48.4%
55			24	152	10	0.08	0.88	0.01	0.48	0.05	2.37		3.3%	37.4%	0.5%	20.2%	2.1%	100.0%	0.06	0.41	0.01	0.37	0.03	0.92	38.7%	2.7%	17.4%	0.5%	15.5%	1.2%	38.7%
56			25	153	10	0.11	0.96	0.01	0.35	0.04	2.40		4.6%	40.1%	0.5%	14.7%	1.5%	100.0%	0.08	0.47	0.01	0.25	0.02	1.10	46.0%	3.3%	19.4%	0.4%	10.4%	0.8%	46.0%
57			26	154	10	0.11	1.16	0.02	0.07	0.03	1.99		5.3%	58.3%	1.2%	3.7%	1.6%	100.0%	0.07	0.70	0.02	0.05	0.02	1.36	68.4%	3.7%	35.2%	0.9%	2.4%	0.9%	68.4%
58			27	155	10	0.13	0.89	0.02	0.05	0.03	2.00		6.7%	44.4%	0.8%	2.3%	1.4%	100.0%	0.09	0.50	0.01	0.04	0.02	1.38	68.7%	4.5%	24.9%	0.6%	1.7%	0.8%	68.7%
59			28	156	10	0.08	0.76	0.12	0.06	0.04	2.72		2.9%	27.8%	4.4%	2.1%	1.6%	100.0%	0.06	0.35	0.09	0.05	0.03	1.21	44.6%	2.3%	12.9%	3.4%	1.7%	1.1%	44.6%
60			34	162	10	0.08	0.64	0.03	0.65	0.07	2.35		3.6%	27.3%	1.3%	27.6%	2.8%	100.0%	0.06	0.27	0.02	0.51	0.04	0.77	33.0%	2.5%	11.4%	1.0%	21.6%	1.5%	33.0%
61			35	163	10	0.11	1.03	0.02	0.07	0.03	2.00		5.3%	51.7%	1.1%	3.3%	1.5%	100.0%	0.06	0.59	0.02	0.04	0.02	1.25	62.5%	2.8%	29.6%	0.9%	2.1%	0.8%	62.5%
62			36	164	10	0.16	1.13	0.01	0.03	0.04	2.03		7.7%	55.7%	0.7%	1.4%	1.9%	100.0%	0.10	0.70	0.01	0.02	0.02	1.38	68.0%	4.9%	34.5%	0.5%	1.0%	1.1%	68.0%
63			37	165	10	0.10	0.71	0.04	0.05	0.03	2.08		4.6%	34.1%	1.8%	2.5%	1.2%	100.0%	0.05	0.36	0.04	0.03	0.02	1.29	62.3%	2.5%	17.5%	1.7%	1.6%	0.7%	62.3%

- K–patch Mid CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)						per Beam Back-off (dB)	max ratio out of all beams						4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
													10.9%	56.3%	7.0%	34.8%	4.5%	100.0%							75.1%	7.5%	38.3%	5.5%	25.7%	3.1%	75.1%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)		ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
1			0		1	0.01	0.06	0.00	0.03	0.00	**0.16**		7.1%	36.8%	1.3%	17.4%	2.6%	100.0%	0.01	0.03	0.00	0.02	0.00	**0.05**	34.8%	4.5%	18.7%	0.6%	11.6%	1.3%	34.8%
2			2		1	0.01	0.05	0.00	0.02	0.00	**0.15**		7.5%	33.6%	2.7%	11.0%	2.1%	100.0%	0.01	0.03	0.00	0.01	0.00	**0.06**	40.4%	4.8%	19.2%	2.1%	7.5%	1.4%	40.4%
3			4		1	0.01	0.04	0.01	0.01	0.00	**0.13**		9.8%	32.3%	5.3%	9.0%	2.3%	100.0%	0.01	0.02	0.01	0.01	0.00	**0.05**	36.8%	6.0%	17.3%	3.8%	7.5%	1.5%	36.8%
4			6		1	0.01	0.05	0.00	0.01	0.00	**0.15**		6.7%	30.2%	2.0%	8.1%	2.0%	100.0%	0.01	0.03	0.00	0.01	0.00	**0.06**	36.9%	4.7%	17.4%	1.3%	6.0%	1.3%	36.9%
5			8		1	0.01	0.05	0.00	0.01	0.00	**0.14**		9.6%	34.6%	2.9%	6.6%	2.2%	100.0%	0.01	0.03	0.00	0.01	0.00	**0.06**	40.4%	4.4%	18.4%	2.2%	4.4%	1.5%	40.4%
6			10		2	0.02	0.04	0.01	0.04	0.00	**0.20**		7.5%	21.1%	7.0%	19.6%	2.0%	100.0%	0.01	0.02	0.01	0.03	0.00	**0.06**	32.2%	5.5%	11.6%	5.5%	15.6%	1.0%	32.2%
7			11		2	0.02	0.13	0.00	0.04	0.01	**0.31**		6.8%	42.3%	1.3%	13.9%	2.6%	100.0%	0.02	0.07	0.00	0.03	0.01	**0.10**	32.9%	4.8%	23.9%	1.0%	9.0%	1.6%	32.9%
8			12		2	0.02	0.12	0.01	0.01	0.01	**0.33**		7.0%	35.5%	2.7%	2.4%	2.4%	100.0%	0.02	0.07	0.01	0.01	0.01	**0.15**	45.2%	4.8%	21.8%	2.1%	1.8%	1.8%	45.2%
9			13		2	0.01	0.07	0.01	0.07	0.01	**0.27**		4.9%	27.0%	2.6%	25.8%	2.6%	100.0%	0.01	0.04	0.01	0.05	0.01	**0.08**	28.8%	3.7%	14.6%	1.9%	18.0%	1.9%	28.8%
10			18		2	0.02	0.13	0.00	0.04	0.01	**0.31**		6.8%	42.3%	1.3%	13.9%	2.6%	100.0%	0.02	0.07	0.00	0.03	0.01	**0.10**	32.9%	4.8%	23.9%	1.0%	9.0%	1.6%	32.9%
11			19		2	0.03	0.16	0.00	0.01	0.01	**0.30**		8.3%	51.7%	1.3%	4.3%	2.6%	100.0%	0.02	0.09	0.00	0.01	0.01	**0.13**	44.0%	5.6%	30.8%	1.0%	3.0%	1.7%	44.0%
12			20		2	0.02	0.07	0.01	0.03	0.00	**0.24**		6.7%	28.3%	4.2%	10.4%	1.7%	100.0%	0.01	0.03	0.01	0.02	0.00	**0.09**	36.3%	3.8%	13.8%	3.3%	8.3%	0.8%	36.3%
13			24		5	0.04	0.25	0.01	0.13	0.02	**0.62**		7.1%	40.3%	1.4%	21.5%	3.0%	100.0%	0.03	0.13	0.01	0.10	0.01	**0.19**	31.0%	4.5%	20.1%	1.1%	16.5%	1.8%	31.0%
14			25		5	0.04	0.31	0.01	0.08	0.01	**0.63**		6.5%	48.1%	1.4%	12.3%	2.1%	100.0%	0.03	0.15	0.01	0.07	0.01	**0.28**	43.4%	4.4%	23.2%	1.4%	10.3%	1.3%	43.4%
15			26		5	0.09	0.46	0.01	0.04	0.04	**0.87**		9.9%	53.1%	0.6%	4.3%	4.5%	100.0%	0.06	0.33	0.00	0.03	0.03	**0.40**	46.0%	6.6%	38.0%	0.5%	2.9%	3.1%	46.0%
16			27		5	0.08	0.27	0.01	0.03	0.02	**0.74**		10.9%	36.5%	1.9%	3.9%	2.9%	100.0%	0.06	0.18	0.01	0.03	0.01	**0.37**	50.4%	7.5%	24.5%	1.5%	3.4%	1.8%	50.4%
17			28		5	0.05	0.18	0.04	0.04	0.01	**0.53**		9.6%	33.4%	7.0%	8.1%	2.3%	100.0%	0.02	0.08	0.03	0.03	0.01	**0.17**	31.7%	4.5%	15.8%	5.3%	5.8%	1.1%	31.7%
18			34		5	0.03	0.22	0.02	0.25	0.03	**0.72**		4.0%	30.2%	3.3%	34.8%	3.6%	100.0%	0.02	0.09	0.02	0.19	0.02	**0.20**	27.0%	3.3%	12.1%	2.5%	25.7%	2.1%	27.0%
19			35		5	0.06	0.39	0.01	0.05	0.03	**0.72**		8.0%	54.4%	1.0%	7.5%	3.9%	100.0%	0.05	0.28	0.01	0.03	0.02	**0.35**	49.0%	6.6%	38.3%	0.8%	4.0%	2.5%	49.0%
20			36		5	0.07	0.43	0.01	0.02	0.03	**0.87**		8.5%	49.1%	0.7%	2.7%	3.9%	100.0%	0.05	0.30	0.01	0.01	0.02	**0.42**	48.9%	6.1%	34.6%	0.6%	1.5%	2.4%	48.9%
21			37		5	0.05	0.17	0.02	0.08	0.01	**0.51**		9.6%	33.9%	2.9%	14.9%	2.2%	100.0%	0.03	0.09	0.01	0.06	0.01	**0.27**	52.8%	6.7%	17.2%	2.5%	11.2%	1.4%	52.8%
22			128		1	0.00	0.04	0.00	0.02	0.00	**0.20**		1.5%	20.3%	1.0%	8.4%	0.5%	100.0%	0.00	0.02	0.00	0.01	0.00	**0.09**	45.0%	1.0%	9.9%	0.5%	5.9%	0.5%	45.0%
23			130		1	0.00	0.06	0.00	0.02	0.00	**0.25**		1.2%	22.8%	0.8%	8.8%	0.8%	100.0%	0.00	0.03	0.00	0.02	0.00	**0.11**	43.6%	0.8%	10.8%	0.8%	6.4%	0.4%	43.6%
24			132		1	0.00	0.06	0.00	0.02	0.00	**0.26**		0.8%	23.1%	0.8%	6.2%	0.4%	100.0%	0.00	0.03	0.00	0.01	0.00	**0.12**	44.2%	0.4%	10.8%	0.8%	4.6%	0.4%	44.2%
25			134		1	0.00	0.08	0.00	0.01	0.00	**0.25**		0.4%	31.7%	1.2%	4.1%	0.4%	100.0%	0.00	0.04	0.00	0.01	0.00	**0.13**	54.5%	0.4%	15.0%	0.8%	3.3%	0.4%	54.5%
26			136		1	0.00	0.05	0.00	0.00	0.00	**0.17**		2.3%	26.9%	1.8%	2.3%	1.2%	100.0%	0.00	0.02	0.00	0.00	0.00	**0.09**	51.5%	1.2%	12.9%	1.2%	1.8%	0.6%	51.5%
27			138		2	0.01	0.13	0.00	0.07	0.01	**0.45**		1.3%	28.8%	0.9%	15.8%	1.3%	100.0%	0.00	0.06	0.00	0.05	0.00	**0.23**	51.1%	0.9%	13.8%	0.7%	12.1%	0.9%	51.1%
28			139		2	0.00	0.18	0.00	0.04	0.00	**0.51**		0.8%	35.5%	0.4%	7.5%	0.6%	100.0%	0.00	0.09	0.00	0.03	0.00	**0.30**	58.8%	0.6%	17.4%	0.4%	5.9%	0.4%	58.8%
29			140		2	0.00	0.17	0.00	0.01	0.00	**0.57**		0.7%	29.2%	0.5%	1.1%	0.4%	100.0%	0.00	0.08	0.00	0.00	0.00	**0.32**	56.0%	0.5%	13.9%	0.5%	0.7%	0.2%	56.0%
30			141		2	0.01	0.08	0.01	0.05	0.00	**0.42**		1.7%	20.0%	1.4%	11.8%	0.7%	100.0%	0.01	0.04	0.01	0.04	0.00	**0.18**	43.0%	1.2%	9.4%	1.2%	8.7%	0.5%	43.0%
31			146		2	0.01	0.10	0.00	0.06	0.01	**0.47**		1.7%	21.7%	0.6%	13.1%	1.1%	100.0%	0.01	0.04	0.00	0.04	0.00	**0.21**	46.0%	1.1%	9.5%	0.6%	9.2%	0.6%	46.0%
32	K	Patch	147		2	0.00	0.17	0.00	0.02	0.00	**0.55**		0.5%	31.1%	0.2%	4.4%	0.4%	100.0%	0.00	0.08	0.00	0.02	0.00	**0.31**	57.0%	0.5%	14.6%	0.2%	2.7%	0.2%	57.0%
33			148		2	0.01	0.15	0.01	0.02	0.00	**0.60**		1.0%	24.9%	1.3%	3.8%	0.5%	100.0%	0.00	0.07	0.01	0.02	0.00	**0.31**	52.5%	0.7%	10.9%	1.2%	2.8%	0.3%	52.5%
34			152		5	0.02	0.33	0.00	0.17	0.02	**1.23**		2.0%	26.6%	0.3%	13.7%	1.3%	100.0%	0.02	0.15	0.00	0.13	0.01	**0.54**	44.2%	1.3%	12.4%	0.2%	10.4%	0.7%	44.2%
35			153		5	0.02	0.36	0.00	0.15	0.01	**1.26**		1.7%	28.9%	0.2%	12.1%	0.9%	100.0%	0.02	0.18	0.00	0.11	0.01	**0.63**	49.8%	1.2%	14.4%	0.2%	8.7%	0.5%	49.8%
36			154		5	0.01	0.64	0.00	0.03	0.00	**1.18**		1.0%	54.0%	0.3%	2.1%	0.3%	100.0%	0.01	0.37	0.00	0.02	0.00	**0.88**	74.4%	0.8%	31.1%	0.2%	1.6%	0.2%	74.4%
37			155		5	0.01	0.65	0.00	0.01	0.01	**1.42**		0.6%	45.5%	0.1%	0.8%	0.7%	100.0%	0.01	0.36	0.00	0.01	0.01	**1.01**	70.7%	0.4%	25.3%	0.1%	0.7%	0.4%	70.7%
38			156		5	0.02	0.45	0.03	0.01	0.02	**1.71**		1.3%	26.5%	1.6%	0.8%	1.0%	100.0%	0.02	0.22	0.03	0.01	0.01	**0.93**	54.5%	0.9%	12.7%	1.5%	0.5%	0.7%	54.5%
39			162		5	0.02	0.32	0.00	0.17	0.02	**1.20**		1.9%	26.7%	0.3%	14.1%	1.3%	100.0%	0.02	0.15	0.00	0.13	0.01	**0.53**	44.6%	1.3%	12.4%	0.2%	10.8%	0.7%	44.6%
40			163		5	0.02	0.52	0.00	0.04	0.01	**1.11**		1.9%	47.3%	0.4%	3.3%	0.5%	100.0%	0.02	0.29	0.00	0.02	0.00	**0.78**	70.6%	1.4%	26.0%	0.3%	1.9%	0.3%	70.6%
41			164		5	0.01	0.68	0.00	0.02	0.00	**1.28**		0.7%	53.3%	0.1%	1.2%	0.3%	100.0%	0.01	0.39	0.00	0.01	0.00	**0.96**	75.1%	0.5%	30.5%	0.1%	0.9%	0.2%	75.1%
42			165		5	0.02	0.59	0.01	0.01	0.02	**1.75**		0.9%	33.8%	0.7%	0.6%	0.9%	100.0%	0.01	0.31	0.01	0.01	0.01	**1.12**	63.6%	0.7%	17.4%	0.7%	0.5%	0.5%	63.6%
43			0	128	2	0.02	0.12	0.00	0.07	0.01	**0.45**		4.0%	27.7%	0.9%	16.1%	1.3%	100.0%	0.01	0.06	0.00	0.05	0.00	**0.19**	42.4%	2.7%	12.7%	0.7%	10.9%	0.9%	42.4%
44			2	130	2	0.02	0.13	0.01	0.07	0.01	**0.47**		4.1%	27.0%	2.1%	15.0%	1.5%	100.0%	0.01	0.06	0.01	0.05	0.00	**0.20**	43.3%	3.0%	12.2%	1.5%	11.2%	0.9%	43.3%
45			4	132	2	0.02	0.13	0.02	0.04	0.01	**0.44**		4.3%	29.7%	3.4%	9.8%	1.1%	100.0%	0.01	0.07	0.01	0.03	0.00	**0.19**	42.5%	2.7%	14.8%	2.7%	7.5%	0.7%	42.5%
46			6	134	2	0.01	0.12	0.01	0.04	0.01	**0.46**		2.9%	25.9%	2.2%	7.9%	1.1%	100.0%	0.01	0.06	0.01	0.03	0.00	**0.20**	43.0%	2.0%	12.7%	1.8%	6.4%	0.4%	43.0%
47			8	136	2	0.03	0.12	0.01	0.02	0.01	**0.37**		7.4%	32.8%	2.7%	5.5%	2.2%	100.0%	0.01	0.06	0.01	0.01	0.00	**0.21**	56.8%	3.6%	15.6%	2.2%	3.0%	1.1%	56.8%
48			10	138	4	0.03	0.25	0.03	0.19	0.02	**0.93**		2.9%	26.3%	3.2%	20.4%	2.1%	100.0%	0.02	0.12	0.02	0.15	0.01	**0.39**	42.0%	2.4%	12.4%	2.6%	15.8%	1.2%	42.0%
49			11	139	4	0.03	0.35	0.01	0.15	0.01	**0.83**		3.9%	42.6%	1.4%	17.7%	1.6%	100.0%	0.02	0.18	0.01	0.11	0.01	**0.45**	53.7%	2.9%	21.5%	1.1%	13.5%	1.0%	53.7%
50			12	140	4	0.03	0.32	0.02	0.02	0.01	**1.06**		3.2%	30.0%	1.8%	2.3%	1.2%	100.0%	0.03	0.17	0.01	0.02	0.01	**0.54**	50.9%	2.6%	15.6%	1.3%	1.6%	0.8%	50.9%
51			13	141	4	0.03	0.19	0.02	0.22	0.02	**0.77**		3.5%	25.0%	3.1%	28.3%	2.3%	100.0%	0.02	0.09	0.02	0.16	0.01	**0.35**	44.6%	2.5%	11.6%	2.2%	20.4%	1.6%	44.6%
52			18	146	4	0.03	0.31	0.01	0.19	0.02	**0.98**		3.4%	31.9%	1.1%	19.0%	1.8%	100.0%	0.02	0.14	0.01	0.13	0.01	**0.35**	35.3%	2.1%	14.1%	0.9%	13.5%	1.1%	35.3%
53			19	147	4	0.03	0.25	0.01	0.05	0.01	**0.77**		4.3%	32.4%	0.6%	5.8%	1.6%	100.0%	0.03	0.15	0.00	0.03	0.01	**0.41**	53.4%	3.2%	19.5%	0.5%	4.3%	0.9%	53.4%
54			20	148	4	0.03	0.20	0.03	0.08	0.01	**0.97**		2.8%	20.8%	3.4%	8.7%	1.1%	100.0%	0.01	0.10	0.03	0.07	0.01	**0.45**	46.3%	1.4%	9.8%	2.8%	6.8%	0.7%	46.3%
55			24	152	10	0.12	1.02	0.02	0.55	0.06	**2.79**		4.3%	36.4%	0.8%	19.6%	2.3%	100.0%	0.07	0.46	0.02	0.42	0.03	**1.04**	37.3%	2.6%	16.5%	0.6%	14.9%	1.2%	37.3%
56			25	153	10	0.11	1.16	0.02	0.37	0.04	**2.71**		3.9%	42.6%	0.6%	13.7%	1.6%	100.0%	0.07	0.54	0.02	0.28	0.03	**1.23**	45.2%	2.6%	20.0%	0.6%	10.1%	1.0%	45.2%
57			26	154	10	0.15	1.31	0.01	0.09	0.05	**2.33**		6.2%	56.3%	0.5%	3.8%	2.1%	100.0%	0.09	0.81	0.01	0.06	0.03	**1.53**	65.5%	4.0%	34.8%	0.4%	2.7%	1.5%	65.5%
58			27	155	10	0.11	1.13	0.02	0.07	0.04	**2.40**		4.6%	47.0%	0.8%	2.7%	1.6%	100.0%	0.08	0.66	0.02	0.05	0.02	**1.70**	70.9%	3.3%	27.4%	0.7%	1.9%	0.9%	70.9%
59			28	156	10	0.08	0.88	0.11	0.09	0.06	**2.98**		2.6%	29.7%	3.8%	3.1%	1.8%	100.0%	0.05	0.39	0.09	0.07	0.03	**1.41**	47.3%	1.7%	13.0%	3.0%	2.2%	1.0%	47.3%
60			34	162	10	0.08	0.77	0.04	0.77	0.08	**2.77**		3.0%	27.7%	1.3%	27.9%	2.9%	100.0%	0.07	0.32	0.03	0.59	0.04	**0.97**	35.2%	2.6%	11.7%	1.0%	21.3%	1.6%	35.2%
61			35	163	10	0.12	1.20	0.02	0.09	0.04	**2.28**		5.2%	52.7%	0.7%	4.0%	1.7%	100.0%	0.07	0.71	0.01	0.06	0.03	**1.41**	61.5%	3.2%	31.2%	0.6%	2.7%	1.2%	61.5%
62			36	164	10	0.11	1.26	0.01	0.05	0.05	**2.48**		4.5%	50.5%	0.3%	1.8%	2.1%	100.0%	0.08	0.76	0.01	0.03	0.03	**1.68**	67.8%	3.3%	30.6%	0.3%	1.1%	1.3%	67.8%
63			37	165	10	0.09	0.88	0.03	0.11	0.03	**2.57**		3.4%	34.4%	1.2%	4.2%	1.3%	100.0%	0.06	0.47	0.03	0.08	0.02	**1.57**	61.3%	2.2%	18.3%	1.1%	3.0%	0.7%	61.3%

- K–patch High CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)						per Beam Back-off (dB)	max ratio out of all beams						4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
													18.5%	58.6%	7.5%	37.2%	4.0%	100.0%							73.5%	12.6%	38.9%	5.7%	26.6%	2.3%	73.5%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)		ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
1			0		1	0.01	0.06	0.00	0.03	0.00	**0.17**		4.8%	37.1%	1.2%	19.2%	1.8%	100.0%	0.01	0.03	0.00	0.02	0.00	**0.07**	41.9%	3.0%	19.8%	1.2%	12.0%	1.2%	41.9%
2			2		1	0.01	0.04	0.00	0.03	0.00	**0.17**		7.2%	21.6%	1.8%	16.8%	1.8%	100.0%	0.01	0.02	0.00	0.02	0.00	**0.07**	40.7%	5.4%	11.4%	1.2%	11.4%	0.6%	40.7%
3			4		1	0.01	0.05	0.01	0.02	0.00	**0.13**		8.3%	33.8%	4.5%	12.0%	2.3%	100.0%	0.01	0.02	0.00	0.01	0.00	**0.05**	36.1%	4.5%	18.0%	3.0%	9.0%	1.5%	36.1%
4			6		1	0.01	0.05	0.01	0.01	0.00	**0.15**		7.2%	29.6%	3.3%	5.3%	2.0%	100.0%	0.01	0.03	0.00	0.01	0.00	**0.05**	32.2%	4.6%	17.1%	2.6%	3.9%	1.3%	32.2%
5			8		1	0.01	0.05	0.00	0.01	0.00	**0.14**		5.9%	34.1%	3.0%	4.4%	1.5%	100.0%	0.01	0.02	0.00	0.01	0.00	**0.06**	40.7%	3.7%	16.3%	2.2%	3.7%	0.7%	40.7%
6			10		2	0.01	0.05	0.02	0.04	0.00	**0.23**		6.2%	21.1%	7.5%	17.2%	1.8%	100.0%	0.01	0.03	0.01	0.03	0.00	**0.08**	33.0%	4.0%	12.8%	5.7%	13.7%	1.3%	33.0%
7			11		2	0.02	0.12	0.00	0.05	0.01	**0.32**		6.6%	36.8%	0.6%	16.4%	1.6%	100.0%	0.02	0.07	0.00	0.04	0.00	**0.12**	36.8%	4.7%	20.4%	0.6%	11.0%	1.3%	36.8%
8			12		2	0.03	0.09	0.01	0.01	0.01	**0.31**		10.8%	29.2%	3.3%	3.3%	2.6%	100.0%	0.02	0.04	0.01	0.01	0.01	**0.13**	42.6%	7.2%	14.1%	2.3%	2.0%	1.6%	42.6%
9			13		2	0.02	0.12	0.01	0.11	0.01	**0.32**		5.4%	36.5%	2.2%	33.3%	2.9%	100.0%	0.01	0.05	0.01	0.07	0.01	**0.10**	31.1%	3.5%	16.2%	1.6%	22.2%	1.6%	31.1%
10			18		2	0.02	0.12	0.00	0.05	0.01	**0.32**		6.6%	36.8%	0.6%	16.4%	1.6%	100.0%	0.02	0.07	0.00	0.04	0.00	**0.12**	36.8%	4.7%	20.4%	0.6%	11.0%	1.3%	36.8%
11			19		2	0.03	0.13	0.01	0.01	0.01	**0.28**		9.8%	48.4%	1.8%	3.6%	2.9%	100.0%	0.02	0.08	0.00	0.01	0.01	**0.12**	42.9%	6.9%	28.0%	1.5%	2.5%	1.8%	42.9%
12			20		2	0.02	0.07	0.01	0.01	0.00	**0.27**		6.0%	25.6%	3.4%	4.9%	1.5%	100.0%	0.01	0.04	0.01	0.01	0.00	**0.09**	32.7%	3.8%	13.2%	3.0%	3.4%	1.1%	32.7%
13			24		5	0.05	0.30	0.01	0.19	0.02	**0.72**		7.4%	42.2%	1.4%	26.9%	2.9%	100.0%	0.03	0.17	0.01	0.14	0.01	**0.24**	33.8%	4.5%	23.3%	1.0%	18.9%	1.7%	33.8%
14			25		5	0.06	0.33	0.01	0.08	0.01	**0.79**		7.3%	41.5%	1.3%	9.8%	1.8%	100.0%	0.04	0.18	0.01	0.06	0.01	**0.32**	40.8%	4.7%	23.2%	0.9%	7.9%	1.0%	40.8%
15			26		5	0.10	0.37	0.01	0.05	0.02	**0.74**		13.3%	49.9%	1.4%	6.4%	3.3%	100.0%	0.05	0.27	0.01	0.03	0.02	**0.38**	51.7%	7.1%	36.8%	0.7%	4.3%	2.2%	51.7%
16			27		5	0.09	0.29	0.03	0.03	0.02	**0.67**		13.2%	43.5%	4.5%	5.0%	2.9%	100.0%	0.06	0.19	0.02	0.02	0.01	**0.32**	48.0%	9.6%	29.1%	3.5%	3.0%	1.8%	48.0%
17			28		5	0.05	0.21	0.04	0.09	0.01	**0.74**		6.9%	28.7%	4.7%	11.9%	1.6%	100.0%	0.03	0.11	0.03	0.06	0.01	**0.27**	35.7%	3.8%	14.7%	3.6%	7.8%	0.9%	35.7%
18			34		5	0.02	0.28	0.02	0.29	0.03	**0.77**		2.5%	36.2%	3.0%	37.2%	4.0%	100.0%	0.01	0.11	0.02	0.21	0.02	**0.22**	28.1%	1.8%	13.6%	2.5%	26.6%	2.3%	28.1%
19			35		5	0.05	0.38	0.01	0.06	0.02	**0.68**		7.3%	55.8%	1.5%	8.5%	2.2%	100.0%	0.04	0.27	0.01	0.04	0.01	**0.38**	55.5%	5.3%	38.9%	1.0%	5.1%	1.5%	55.5%
20			36		5	0.12	0.32	0.01	0.03	0.03	**0.64**		18.5%	49.1%	2.0%	4.2%	4.0%	100.0%	0.08	0.22	0.01	0.02	0.01	**0.32**	50.2%	12.6%	33.5%	1.6%	2.8%	2.2%	50.2%
21			37		5	0.05	0.25	0.01	0.06	0.01	**0.63**		7.8%	39.6%	2.2%	10.0%	1.9%	100.0%	0.03	0.14	0.01	0.05	0.01	**0.30**	47.8%	4.6%	22.9%	2.1%	7.2%	1.3%	47.8%
22			128		1	0.00	0.05	0.00	0.02	0.00	**0.24**		1.3%	21.2%	0.8%	10.2%	0.8%	100.0%	0.00	0.02	0.00	0.02	0.00	**0.10**	43.2%	0.8%	9.7%	0.8%	6.8%	0.4%	43.2%
23			130		1	0.00	0.06	0.00	0.02	0.00	**0.28**		1.1%	23.3%	1.1%	8.0%	1.1%	100.0%	0.00	0.03	0.00	0.02	0.00	**0.12**	43.6%	0.7%	10.5%	0.7%	5.8%	0.4%	43.6%
24			132		1	0.00	0.07	0.00	0.02	0.00	**0.28**		1.1%	24.7%	1.1%	5.7%	0.7%	100.0%	0.00	0.03	0.00	0.01	0.00	**0.13**	44.9%	0.7%	11.3%	0.7%	4.2%	0.4%	44.9%
25			134		1	0.00	0.09	0.00	0.01	0.00	**0.28**		0.4%	32.0%	1.4%	3.6%	0.4%	100.0%	0.00	0.04	0.00	0.01	0.00	**0.15**	53.2%	0.4%	15.5%	1.1%	2.9%	0.4%	53.2%
26			136		1	0.00	0.05	0.00	0.01	0.00	**0.16**		1.8%	28.2%	1.2%	3.1%	1.2%	100.0%	0.00	0.02	0.00	0.00	0.00	**0.09**	54.6%	1.2%	14.1%	1.2%	1.8%	0.6%	54.6%
27			138		2	0.01	0.15	0.01	0.07	0.01	**0.47**		1.5%	32.0%	1.3%	14.8%	1.7%	100.0%	0.01	0.07	0.01	0.05	0.00	**0.25**	53.8%	1.1%	15.0%	1.1%	11.0%	0.8%	53.8%
28			139		2	0.01	0.21	0.00	0.04	0.00	**0.55**		1.1%	37.0%	0.5%	6.9%	0.7%	100.0%	0.01	0.10	0.00	0.03	0.00	**0.33**	59.0%	0.9%	18.2%	0.4%	5.4%	0.4%	59.0%
29			140		2	0.00	0.20	0.00	0.01	0.00	**0.64**		0.6%	30.9%	0.6%	0.9%	0.3%	100.0%	0.00	0.09	0.00	0.00	0.00	**0.36**	56.9%	0.5%	14.3%	0.5%	0.6%	0.2%	56.9%
30			141		2	0.00	0.12	0.01	0.06	0.01	**0.50**		0.8%	23.2%	1.6%	12.0%	1.0%	100.0%	0.00	0.05	0.01	0.04	0.00	**0.22**	43.9%	0.6%	10.0%	1.4%	8.6%	0.6%	43.9%
31			146		2	0.01	0.13	0.00	0.07	0.01	**0.51**		1.8%	24.7%	0.6%	14.6%	1.4%	100.0%	0.01	0.05	0.00	0.05	0.00	**0.24**	46.5%	1.2%	10.7%	0.6%	10.1%	0.8%	46.5%
32	K	Patch	147		2	0.01	0.20	0.00	0.02	0.00	**0.61**		1.0%	32.8%	0.2%	4.0%	0.3%	100.0%	0.00	0.09	0.00	0.02	0.00	**0.35**	57.8%	0.7%	15.2%	0.2%	2.5%	0.2%	57.8%
33			148		2	0.01	0.17	0.01	0.03	0.00	**0.66**		1.2%	26.4%	1.4%	3.8%	0.5%	100.0%	0.01	0.07	0.01	0.02	0.00	**0.35**	52.6%	0.8%	11.3%	1.1%	2.7%	0.3%	52.6%
34			152		5	0.03	0.39	0.01	0.19	0.02	**1.33**		2.0%	29.6%	0.4%	14.1%	1.6%	100.0%	0.02	0.18	0.00	0.14	0.01	**0.60**	45.0%	1.2%	13.7%	0.2%	10.3%	0.8%	45.0%
35			153		5	0.03	0.43	0.00	0.16	0.01	**1.36**		2.4%	31.6%	0.2%	11.7%	0.9%	100.0%	0.02	0.21	0.00	0.12	0.01	**0.69**	50.4%	1.5%	15.4%	0.1%	8.8%	0.5%	50.4%
36			154		5	0.01	0.72	0.00	0.04	0.00	**1.30**		1.1%	55.2%	0.2%	2.9%	0.3%	100.0%	0.01	0.41	0.00	0.03	0.00	**0.95**	73.5%	0.8%	31.7%	0.2%	2.2%	0.2%	73.5%
37			155		5	0.01	0.75	0.00	0.02	0.01	**1.57**		0.8%	47.7%	0.1%	1.1%	0.6%	100.0%	0.01	0.42	0.00	0.01	0.01	**1.11**	70.7%	0.6%	26.8%	0.1%	0.8%	0.4%	70.7%
38			156		5	0.02	0.56	0.03	0.02	0.02	**1.88**		1.2%	30.0%	1.7%	1.0%	1.2%	100.0%	0.02	0.27	0.03	0.01	0.02	**1.05**	56.0%	0.9%	14.6%	1.6%	0.7%	0.8%	56.0%
39			162		5	0.03	0.38	0.01	0.19	0.02	**1.29**		2.0%	29.6%	0.4%	14.5%	1.6%	100.0%	0.02	0.18	0.00	0.14	0.01	**0.58**	45.1%	1.2%	13.7%	0.2%	10.6%	0.9%	45.1%
40			163		5	0.02	0.61	0.00	0.04	0.01	**1.24**		1.8%	49.4%	0.3%	3.1%	0.4%	100.0%	0.02	0.34	0.00	0.02	0.00	**0.88**	71.2%	1.4%	27.3%	0.2%	1.8%	0.2%	71.2%
41			164		5	0.01	0.77	0.00	0.02	0.01	**1.41**		0.9%	54.8%	0.1%	1.1%	0.4%	100.0%	0.01	0.45	0.00	0.01	0.00	**1.03**	73.4%	0.6%	31.6%	0.1%	0.7%	0.2%	73.4%
42			165		5	0.02	0.68	0.01	0.01	0.02	**1.88**		0.8%	36.2%	0.7%	0.7%	1.0%	100.0%	0.01	0.35	0.01	0.01	0.01	**1.21**	64.3%	0.5%	18.8%	0.6%	0.5%	0.5%	64.3%
43			0	128	2	0.02	0.13	0.01	0.09	0.01	**0.46**		3.5%	28.8%	1.1%	18.6%	1.7%	100.0%	0.01	0.06	0.00	0.06	0.01	**0.21**	45.0%	2.2%	13.8%	0.9%	12.7%	1.1%	45.0%
44			2	130	2	0.02	0.12	0.01	0.09	0.01	**0.52**		4.0%	23.8%	1.5%	17.5%	1.9%	100.0%	0.02	0.06	0.01	0.07	0.01	**0.22**	42.7%	3.1%	10.6%	1.2%	12.5%	1.0%	42.7%
45			4	132	2	0.02	0.14	0.01	0.06	0.01	**0.47**		4.0%	30.5%	2.8%	12.3%	1.3%	100.0%	0.01	0.07	0.01	0.04	0.00	**0.19**	40.5%	2.3%	15.3%	2.1%	9.3%	0.6%	40.5%
46			6	134	2	0.01	0.13	0.01	0.03	0.00	**0.49**		2.9%	26.9%	2.2%	5.9%	0.8%	100.0%	0.01	0.07	0.01	0.02	0.00	**0.22**	43.9%	1.8%	13.3%	1.8%	4.5%	0.6%	43.9%
47			8	136	2	0.02	0.11	0.01	0.01	0.01	**0.37**		4.0%	29.9%	2.9%	3.5%	1.9%	100.0%	0.01	0.06	0.01	0.01	0.00	**0.22**	58.0%	2.7%	15.2%	2.7%	2.9%	1.1%	58.0%
48			10	138	4	0.03	0.28	0.04	0.20	0.02	**0.96**		3.0%	28.8%	3.8%	21.2%	2.4%	100.0%	0.02	0.13	0.03	0.15	0.01	**0.44**	46.0%	2.2%	13.7%	2.9%	16.0%	1.4%	46.0%
49			11	139	4	0.04	0.35	0.01	0.15	0.02	**0.90**		3.9%	39.3%	1.0%	16.7%	1.8%	100.0%	0.02	0.18	0.01	0.11	0.01	**0.44**	49.4%	2.7%	20.0%	0.7%	11.9%	1.0%	49.4%
50			12	140	4	0.05	0.32	0.02	0.02	0.01	**1.11**		4.1%	28.8%	1.7%	2.0%	1.0%	100.0%	0.03	0.15	0.01	0.02	0.01	**0.56**	50.6%	2.8%	13.7%	1.3%	1.3%	0.7%	50.6%
51			13	141	4	0.03	0.29	0.02	0.28	0.03	**0.92**		3.1%	31.6%	2.4%	30.3%	2.8%	100.0%	0.02	0.13	0.02	0.20	0.02	**0.41**	44.5%	2.1%	13.8%	1.7%	21.3%	1.6%	44.5%
52			18	146	4	0.05	0.36	0.01	0.21	0.02	**1.04**		5.0%	35.0%	0.8%	20.5%	2.2%	100.0%	0.04	0.15	0.01	0.14	0.01	**0.40**	38.3%	3.4%	14.8%	0.6%	13.9%	1.4%	38.3%
53			19	147	4	0.03	0.28	0.01	0.05	0.01	**0.82**		3.9%	34.7%	0.9%	5.8%	1.6%	100.0%	0.02	0.15	0.01	0.04	0.01	**0.43**	53.2%	2.7%	18.6%	0.7%	4.3%	1.0%	53.2%
54			20	148	4	0.03	0.26	0.03	0.06	0.01	**1.06**		2.5%	24.4%	2.9%	5.9%	1.1%	100.0%	0.02	0.12	0.03	0.05	0.01	**0.49**	46.1%	1.6%	11.4%	2.4%	4.6%	0.8%	46.1%
55			24	152	10	0.13	1.18	0.02	0.63	0.07	**2.98**		4.3%	39.7%	0.8%	21.3%	2.3%	100.0%	0.08	0.55	0.02	0.47	0.04	**1.13**	38.1%	2.8%	18.5%	0.5%	15.6%	1.3%	38.1%
56			25	153	10	0.15	1.28	0.02	0.37	0.05	**3.01**		4.9%	42.6%	0.7%	12.4%	1.7%	100.0%	0.09	0.64	0.01	0.29	0.03	**1.34**	44.4%	3.1%	21.3%	0.5%	9.6%	1.0%	44.4%
57			26	154	10	0.16	1.37	0.02	0.13	0.04	**2.34**		6.7%	58.6%	0.7%	5.3%	1.6%	100.0%	0.09	0.85	0.01	0.08	0.03	**1.60**	68.4%	3.7%	36.1%	0.4%	3.6%	1.1%	68.4%
58			27	155	10	0.14	1.25	0.04	0.08	0.04	**2.58**		5.4%	48.7%	1.7%	3.1%	1.7%	100.0%	0.10	0.73	0.03	0.06	0.03	**1.82**	70.8%	3.7%	28.4%	1.3%	2.1%	1.0%	70.8%
59			28	156	10	0.08	1.05	0.09	0.16	0.07	**3.49**		2.2%	30.1%	2.7%	4.4%	1.9%	100.0%	0.06	0.50	0.08	0.10	0.04	**1.67**	47.7%	1.7%	14.4%	2.2%	2.9%	1.1%	47.7%
60			34	162	10	0.06	0.83	0.04	0.85	0.10	**2.78**		2.0%	29.8%	1.4%	30.6%	3.6%	100.0%	0.04	0.34	0.03	0.64	0.05	**1.04**	37.5%	1.5%	12.3%	1.2%	23.0%	1.9%	37.5%
61			35	163	10	0.09	1.28	0.02	0.12	0.02	**2.31**		3.9%	55.2%	0.9%	5.1%	1.0%	100.0%	0.07	0.76	0.02	0.07	0.02	**1.51**	65.3%	2.8%	32.7%	0.7%	2.9%	0.6%	65.3%
62			36	164	10	0.17	1.34	0.02	0.06	0.04	**2.45**		6.9%	54.5%	0.7%	2.4%	1.6%	100.0%	0.12	0.79	0.01	0.04	0.02	**1.73**	70.3%	4.7%	32.1%	0.5%	1.5%	0.9%	70.3%
63			37	165	10	0.09	1.02	0.04	0.10	0.04	**2.84**		3.1%	36.1%	1.3%	3.4%	1.3%	100.0%	0.05	0.55	0.03	0.07	0.02	**1.78**	62.6%	1.7%	19.5%	1.1%	2.5%	0.8%	62.6%

Table 4. PD of Ant K – patch antenna (28GHz – n261)

[Folder Open Status]

- K–patch Low CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	max ratio out of all beams: ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
													13.9%	24.3%	4.6%	13.7%	9.3%	100.0%
1			0		1	0.01	0.01	0.00	0.02	0.01	0.14		6.5%	6.5%	0.7%	13.7%	5.8%	100.0%
2			2		1	0.01	0.01	0.00	0.01	0.01	0.15		5.3%	6.6%	1.3%	7.3%	4.0%	100.0%
3			4		1	0.01	0.01	0.00	0.01	0.00	0.13		8.7%	7.9%	0.8%	8.7%	3.2%	100.0%
4			6		1	0.01	0.01	0.00	0.01	0.01	0.15		5.3%	8.6%	1.3%	3.3%	3.9%	100.0%
5			8		1	0.01	0.01	0.00	0.00	0.00	0.12		8.3%	6.7%	1.7%	3.3%	2.5%	100.0%
6			10		2	0.02	0.02	0.00	0.03	0.01	0.23		7.4%	7.4%	1.7%	12.1%	2.2%	100.0%
7			11		2	0.03	0.03	0.00	0.02	0.01	0.35		8.2%	9.3%	0.6%	4.2%	3.4%	100.0%
8			12		2	0.03	0.03	0.00	0.01	0.01	0.32		8.1%	9.0%	1.2%	2.5%	3.7%	100.0%
9			13		2	0.01	0.01	0.00	0.02	0.01	0.22		5.1%	5.1%	1.8%	8.8%	4.1%	100.0%
10			18		2	0.02	0.02	0.00	0.03	0.01	0.31		4.8%	6.4%	1.3%	9.0%	2.6%	100.0%
11			19		2	0.03	0.03	0.00	0.01	0.02	0.35		7.8%	7.5%	0.6%	3.5%	6.4%	100.0%
12			20		2	0.02	0.01	0.00	0.03	0.02	0.24		7.9%	3.8%	1.3%	12.5%	6.3%	100.0%
13			24		5	0.02	0.02	0.00	0.05	0.01	0.56		3.6%	3.9%	0.7%	9.1%	2.1%	100.0%
14			25		5	0.08	0.06	0.00	0.06	0.02	0.77		9.7%	7.3%	0.4%	7.4%	3.0%	100.0%
15			26		5	0.11	0.19	0.00	0.02	0.07	0.78		13.9%	24.3%	0.4%	2.6%	8.6%	100.0%
16			27		5	0.07	0.06	0.00	0.02	0.06	0.82		8.2%	7.6%	0.5%	2.0%	6.7%	100.0%
17			28		5	0.03	0.01	0.01	0.05	0.01	0.52		5.2%	1.5%	2.5%	8.7%	1.4%	100.0%
18			34		5	0.02	0.03	0.00	0.05	0.01	0.58		3.4%	4.5%	0.7%	8.1%	2.1%	100.0%
19			35		5	0.11	0.13	0.01	0.02	0.04	0.79		13.3%	16.2%	0.9%	2.2%	5.3%	100.0%
20			36		5	0.10	0.10	0.00	0.02	0.08	0.80		12.0%	12.1%	0.5%	1.9%	9.3%	100.0%
21			37		5	0.04	0.03	0.01	0.03	0.03	0.74		5.9%	4.6%	0.8%	3.8%	3.8%	100.0%
22			128		1	0.00	0.00	0.00	0.01	0.00	0.28		1.1%	1.1%	0.7%	4.9%	0.7%	100.0%
23			130		1	0.00	0.00	0.00	0.02	0.00	0.36		1.1%	0.8%	0.8%	4.2%	0.8%	100.0%
24			132		1	0.00	0.00	0.00	0.02	0.00	0.35		1.1%	0.8%	1.1%	4.2%	1.1%	100.0%
25			134		1	0.00	0.00	0.00	0.01	0.00	0.38		1.1%	1.1%	1.1%	2.9%	0.8%	100.0%
26			136		1	0.00	0.00	0.00	0.01	0.00	0.20		1.5%	2.0%	1.5%	4.5%	1.0%	100.0%
27			138		2	0.01	0.01	0.01	0.06	0.01	0.56		1.6%	1.2%	1.4%	9.8%	2.3%	100.0%
28			139		2	0.01	0.01	0.00	0.03	0.00	0.78		1.4%	0.9%	0.1%	3.3%	0.4%	100.0%
29			140		2	0.01	0.01	0.01	0.01	0.00	0.74		1.4%	1.6%	1.0%	1.2%	0.5%	100.0%
30			141		2	0.01	0.01	0.01	0.04	0.01	0.49		1.4%	2.5%	2.1%	9.1%	1.6%	100.0%
31			146		2	0.01	0.01	0.01	0.04	0.01	0.64		1.6%	0.9%	1.1%	6.0%	1.4%	100.0%
32	K	Patch	147		2	0.01	0.01	0.00	0.01	0.00	0.91		1.5%	0.9%	0.3%	0.8%	0.2%	100.0%
33			148		2	0.02	0.01	0.01	0.03	0.01	0.80		1.9%	1.8%	1.8%	3.3%	0.9%	100.0%
34			152		5	0.03	0.02	0.00	0.16	0.01	1.70		1.8%	1.4%	0.2%	9.5%	0.8%	100.0%
35			153		5	0.04	0.03	0.01	0.06	0.01	1.76		2.3%	1.7%	0.5%	3.5%	0.4%	100.0%
36			154		5	0.06	0.03	0.00	0.02	0.01	1.87		3.1%	1.8%	0.2%	1.0%	0.4%	100.0%
37			155		5	0.06	0.05	0.02	0.01	0.02	2.05		2.7%	2.5%	0.8%	0.7%	0.9%	100.0%
38			156		5	0.03	0.07	0.07	0.03	0.03	1.94		1.4%	3.7%	3.5%	1.3%	1.4%	100.0%
39			162		5	0.03	0.03	0.00	0.14	0.01	1.74		1.7%	1.6%	0.2%	7.9%	0.7%	100.0%
40			163		5	0.06	0.03	0.00	0.02	0.01	1.80		3.2%	1.9%	0.2%	1.1%	0.3%	100.0%
41			164		5	0.05	0.04	0.00	0.02	0.02	1.91		2.6%	2.0%	0.2%	0.8%	0.9%	100.0%
42			165		5	0.06	0.07	0.04	0.02	0.02	2.07		2.7%	3.2%	1.9%	0.9%	1.2%	100.0%
43			0	128	2	0.01	0.02	0.01	0.05	0.01	0.44		3.2%	3.4%	1.1%	12.1%	3.0%	100.0%
44			2	130	2	0.02	0.02	0.01	0.03	0.01	0.54		2.9%	3.3%	1.5%	6.3%	1.8%	100.0%
45			4	132	2	0.02	0.01	0.01	0.03	0.01	0.52		3.1%	2.7%	1.7%	6.5%	1.5%	100.0%
46			6	134	2	0.02	0.02	0.01	0.02	0.01	0.54		3.3%	3.0%	1.8%	3.3%	1.8%	100.0%
47			8	136	2	0.02	0.01	0.01	0.02	0.01	0.36		4.4%	3.6%	3.1%	4.2%	1.9%	100.0%
48			10	138	4	0.03	0.02	0.02	0.10	0.02	0.92		3.4%	2.6%	2.3%	10.9%	2.4%	100.0%
49			11	139	4	0.05	0.05	0.00	0.04	0.01	1.09		4.7%	4.3%	0.4%	3.6%	1.2%	100.0%
50			12	140	4	0.05	0.05	0.02	0.02	0.02	1.05		4.5%	4.6%	1.8%	1.4%	2.0%	100.0%
51			13	141	4	0.03	0.03	0.02	0.10	0.02	0.87		2.9%	3.8%	2.8%	10.9%	2.1%	100.0%
52			18	146	4	0.03	0.02	0.01	0.11	0.03	1.06		2.5%	2.3%	1.1%	10.6%	2.5%	100.0%
53			19	147	4	0.05	0.04	0.01	0.02	0.04	1.21		4.3%	2.9%	0.6%	1.7%	3.1%	100.0%
54			20	148	4	0.05	0.03	0.02	0.10	0.03	0.96		5.2%	2.6%	2.2%	9.9%	3.5%	100.0%
55			24	152	10	0.08	0.07	0.01	0.23	0.03	2.58		3.0%	2.5%	0.5%	8.7%	1.0%	100.0%
56			25	153	10	0.13	0.09	0.01	0.12	0.04	2.60		5.0%	3.5%	0.5%	4.6%	1.5%	100.0%
57			26	154	10	0.21	0.25	0.01	0.05	0.08	2.82		7.5%	8.9%	0.5%	1.6%	2.9%	100.0%
58			27	155	10	0.20	0.20	0.02	0.03	0.13	3.41		5.8%	5.8%	0.6%	0.9%	3.8%	100.0%
59			28	156	10	0.10	0.09	0.14	0.10	0.05	2.98		3.3%	3.0%	4.6%	3.5%	1.6%	100.0%
60			34	162	10	0.08	0.07	0.01	0.20	0.03	2.53		3.0%	2.8%	0.4%	8.1%	1.1%	100.0%
61			35	163	10	0.15	0.15	0.02	0.05	0.05	2.68		5.7%	5.5%	0.7%	1.9%	2.0%	100.0%
62			36	164	10	0.20	0.18	0.02	0.05	0.16	3.05		6.5%	5.8%	0.5%	1.6%	5.2%	100.0%
63			37	165	10	0.16	0.12	0.06	0.05	0.07	3.30		4.8%	3.6%	1.7%	1.6%	2.0%	100.0%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	max ratio out of all beams: ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
							61.6%	10.1%	18.3%	3.5%	9.5%	4.3%	61.6%
1	0.01	0.01	0.00	0.01	0.00	0.05	36.0%	3.6%	5.0%	0.7%	9.4%	2.2%	36.0%
2	0.01	0.01	0.00	0.01	0.00	0.07	43.7%	3.3%	4.6%	0.7%	6.0%	2.0%	43.7%
3	0.01	0.01	0.00	0.01	0.00	0.05	39.7%	5.6%	5.6%	0.8%	7.9%	1.6%	39.7%
4	0.01	0.01	0.00	0.00	0.00	0.06	42.1%	4.6%	5.9%	0.7%	2.6%	2.0%	42.1%
5	0.01	0.01	0.00	0.00	0.00	0.05	40.8%	6.7%	5.0%	1.7%	2.5%	1.7%	40.8%
6	0.01	0.01	0.00	0.02	0.00	0.09	37.2%	5.2%	5.2%	1.3%	9.5%	1.3%	37.2%
7	0.02	0.03	0.00	0.01	0.01	0.15	41.6%	5.7%	7.1%	0.3%	3.4%	1.7%	41.6%
8	0.02	0.02	0.00	0.01	0.01	0.14	43.8%	6.8%	6.2%	0.9%	1.9%	1.9%	43.8%
9	0.01	0.01	0.00	0.02	0.00	0.11	48.4%	3.7%	4.1%	1.4%	6.9%	1.8%	48.4%
10	0.01	0.02	0.00	0.02	0.01	0.12	37.0%	3.2%	4.8%	1.0%	6.1%	1.6%	37.0%
11	0.02	0.02	0.00	0.01	0.01	0.16	46.5%	4.6%	5.5%	0.6%	2.3%	2.9%	46.5%
12	0.01	0.01	0.00	0.02	0.01	0.11	45.4%	4.6%	2.9%	0.8%	7.9%	3.3%	45.4%
13	0.02	0.02	0.00	0.04	0.01	0.24	43.3%	2.8%	3.0%	0.7%	7.1%	1.1%	43.3%
14	0.04	0.04	0.00	0.03	0.01	0.34	43.9%	5.5%	5.3%	0.4%	3.9%	1.7%	43.9%
15	0.08	0.14	0.00	0.01	0.03	0.35	45.2%	10.1%	18.3%	0.3%	1.8%	4.3%	45.2%
16	0.04	0.05	0.00	0.01	0.03	0.42	50.8%	5.4%	5.5%	0.4%	1.3%	3.2%	50.8%
17	0.02	0.01	0.01	0.03	0.00	0.23	44.5%	3.1%	1.4%	1.9%	5.4%	0.8%	44.5%
18	0.02	0.02	0.00	0.04	0.01	0.25	43.2%	2.6%	3.4%	0.5%	6.2%	1.2%	43.2%
19	0.07	0.09	0.01	0.01	0.03	0.35	44.4%	8.5%	11.9%	0.6%	1.5%	3.2%	44.4%
20	0.07	0.07	0.00	0.01	0.03	0.38	46.9%	8.7%	8.7%	0.4%	1.1%	4.0%	46.9%
21	0.03	0.02	0.01	0.02	0.01	0.39	52.0%	3.9%	3.2%	0.7%	2.4%	1.9%	52.0%
22	0.00	0.00	0.00	0.01	0.00	0.12	41.2%	0.7%	0.7%	0.7%	3.5%	0.4%	41.2%
23	0.00	0.00	0.00	0.01	0.00	0.15	42.1%	0.8%	0.6%	0.6%	3.1%	0.3%	42.1%
24	0.00	0.00	0.00	0.01	0.00	0.15	41.8%	0.8%	0.6%	0.8%	2.8%	0.6%	41.8%
25	0.00	0.00	0.00	0.01	0.00	0.16	42.0%	0.8%	0.8%	0.8%	1.8%	0.3%	42.0%
26	0.00	0.00	0.00	0.01	0.00	0.08	39.0%	1.0%	1.0%	1.5%	3.5%	0.5%	39.0%
27	0.01	0.01	0.01	0.04	0.01	0.28	49.6%	1.4%	0.9%	0.9%	6.9%	1.1%	49.6%
28	0.01	0.01	0.00	0.02	0.00	0.41	52.3%	0.9%	0.6%	0.1%	2.4%	0.3%	52.3%
29	0.01	0.01	0.01	0.01	0.00	0.36	48.6%	1.0%	1.0%	0.7%	0.8%	0.4%	48.6%
30	0.00	0.01	0.01	0.03	0.00	0.20	40.7%	0.8%	1.4%	1.4%	6.0%	0.6%	40.7%
31	0.01	0.01	0.00	0.03	0.01	0.30	47.5%	1.3%	0.8%	0.6%	4.1%	0.8%	47.5%
32	0.01	0.01	0.00	0.00	0.00	0.46	50.4%	1.0%	0.7%	0.2%	0.4%	0.1%	50.4%
33	0.01	0.01	0.01	0.02	0.00	0.38	47.8%	1.3%	1.1%	1.3%	2.3%	0.4%	47.8%
34	0.02	0.02	0.00	0.12	0.01	0.85	50.2%	1.4%	0.9%	0.2%	6.9%	0.4%	50.2%
35	0.03	0.02	0.01	0.04	0.00	0.96	54.6%	1.6%	1.4%	0.3%	2.0%	0.2%	54.6%
36	0.04	0.03	0.00	0.01	0.00	1.07	57.4%	2.3%	1.4%	0.2%	0.6%	0.2%	57.4%
37	0.04	0.03	0.01	0.01	0.01	1.26	61.4%	1.7%	1.6%	0.6%	0.5%	0.5%	61.4%
38	0.02	0.04	0.05	0.02	0.02	0.92	47.4%	0.9%	2.2%	2.7%	0.8%	0.9%	47.4%
39	0.03	0.02	0.00	0.09	0.01	0.93	53.3%	1.4%	1.1%	0.1%	5.4%	0.3%	53.3%
40	0.04	0.03	0.00	0.02	0.00	1.03	56.9%	2.3%	1.5%	0.2%	0.9%	0.2%	56.9%
41	0.04	0.03	0.00	0.01	0.01	1.14	59.6%	2.0%	1.6%	0.2%	0.5%	0.5%	59.6%
42	0.04	0.04	0.03	0.01	0.02	1.14	55.4%	1.7%	2.0%	1.4%	0.6%	0.7%	55.4%
43	0.01	0.01	0.00	0.04	0.01	0.19	44.4%	1.8%	2.5%	0.7%	8.5%	1.4%	44.4%
44	0.01	0.01	0.01	0.02	0.01	0.24	43.6%	2.2%	2.4%	1.1%	4.2%	0.9%	43.6%
45	0.01	0.01	0.01	0.02	0.00	0.22	41.6%	2.3%	1.9%	1.3%	4.2%	0.8%	41.6%
46	0.01	0.01	0.01	0.01	0.01	0.26	48.2%	1.8%	2.2%	1.3%	2.2%	0.9%	48.2%
47	0.01	0.01	0.01	0.01	0.00	0.15	41.9%	3.3%	2.5%	2.2%	3.1%	0.8%	41.9%
48	0.03	0.02	0.02	0.07	0.01	0.42	45.5%	2.7%	1.7%	1.6%	7.4%	1.1%	45.5%
49	0.04	0.03	0.00	0.03	0.01	0.57	52.7%	3.3%	3.0%	0.3%	2.5%	0.6%	52.7%
50	0.04	0.03	0.01	0.01	0.01	0.48	45.2%	3.6%	3.2%	1.2%	1.0%	1.0%	45.2%
51	0.02	0.02	0.02	0.06	0.01	0.39	44.3%	2.1%	2.6%	2.1%	7.2%	0.9%	44.3%
52	0.02	0.02	0.01	0.08	0.01	0.47	44.4%	2.1%	1.7%	0.9%	7.5%	1.2%	44.4%
53	0.03	0.03	0.01	0.01	0.02	0.65	54.1%	2.6%	2.1%	0.4%	1.1%	1.4%	54.1%
54	0.03	0.02	0.02	0.07	0.02	0.49	51.0%	3.3%	1.7%	1.7%	6.8%	1.9%	51.0%
55	0.06	0.05	0.01	0.15	0.01	1.33	51.4%	2.4%	1.8%	0.4%	6.0%	0.5%	51.4%
56	0.10	0.07	0.01	0.08	0.02	1.53	58.7%	4.0%	2.7%	0.3%	3.0%	0.8%	58.7%
57	0.16	0.19	0.01	0.03	0.04	1.49	52.9%	5.6%	6.7%	0.4%	1.1%	1.5%	52.9%
58	0.12	0.14	0.02	0.02	0.06	2.10	61.6%	3.6%	4.1%	0.5%	0.7%	1.8%	61.6%
59	0.06	0.06	0.10	0.06	0.03	1.34	45.0%	1.9%	1.9%	3.5%	2.1%	1.0%	45.0%
60	0.06	0.05	0.01	0.13	0.02	1.41	55.6%	2.4%	2.1%	0.4%	4.9%	0.6%	55.6%
61	0.12	0.11	0.01	0.03	0.03	1.38	51.7%	4.4%	4.0%	0.5%	1.2%	1.1%	51.7%
62	0.15	0.13	0.01	0.03	0.07	1.80	58.9%	4.7%	4.2%	0.3%	1.1%	2.3%	58.9%
63	0.09	0.08	0.04	0.04	0.03	1.87	56.8%	2.7%	2.5%	1.2%	1.2%	0.9%	56.8%

- K–patch Mid CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	max ratio out of all beams: ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
													10.5%	13.4%	4.0%	13.7%	6.1%	100.0%
1			0		1	0.01	0.01	0.00	0.02	0.00	0.17		5.2%	5.8%	0.6%	11.6%	2.3%	100.0%
2			2		1	0.01	0.01	0.00	0.01	0.00	0.19		5.4%	5.4%	1.1%	7.6%	2.2%	100.0%
3			4		1	0.01	0.01	0.00	0.01	0.00	0.16		5.5%	4.9%	1.2%	7.3%	1.8%	100.0%
4			6		1	0.01	0.01	0.00	0.01	0.01	0.21		4.9%	4.9%	0.5%	3.4%	2.4%	100.0%
5			8		1	0.01	0.01	0.00	0.01	0.00	0.12		7.8%	5.2%	1.7%	6.0%	3.4%	100.0%
6			10		2	0.01	0.01	0.00	0.03	0.01	0.35		3.4%	3.7%	1.1%	9.2%	1.4%	100.0%
7			11		2	0.03	0.02	0.00	0.02	0.01	0.44		5.7%	5.0%	0.2%	4.1%	2.5%	100.0%
8			12		2	0.03	0.03	0.00	0.01	0.02	0.39		7.0%	6.4%	0.8%	2.8%	3.9%	100.0%
9			13		2	0.01	0.01	0.01	0.02	0.01	0.31		4.2%	4.5%	1.9%	6.1%	2.6%	100.0%
10			18		2	0.02	0.03	0.00	0.03	0.01	0.39		4.4%	7.3%	0.5%	8.1%	2.1%	100.0%
11			19		2	0.02	0.02	0.00	0.02	0.02	0.39		6.1%	5.6%	0.8%	4.3%	3.8%	100.0%
12			20		2	0.02	0.01	0.00	0.04	0.01	0.32		6.0%	3.5%	1.3%	13.7%	3.5%	100.0%
13			24		5	0.03	0.03	0.01	0.07	0.01	0.83		3.0%	3.1%	0.7%	7.8%	1.4%	100.0%
14			25		5	0.06	0.08	0.01	0.04	0.03	0.95		6.5%	8.0%	0.8%	4.3%	2.6%	100.0%
15			26		5	0.10	0.09	0.00	0.01	0.04	1.03		9.8%	8.2%	0.4%	1.3%	3.9%	100.0%
16			27		5	0.06	0.06	0.00	0.03	0.04	0.94		6.4%	6.2%	0.4%	3.3%	4.2%	100.0%
17			28		5	0.03	0.01	0.01	0.06	0.01	0.58		4.9%	1.7%	2.4%	10.9%	1.9%	100.0%
18			34		5	0.03	0.03	0.01	0.06	0.01	0.84		3.1%	3.3%	0.7%	7.4%	1.5%	100.0%
19			35		5	0.10	0.13	0.00	0.02	0.04	0.97		10.5%	13.1%	0.3%	2.2%	3.8%	100.0%
20			36		5	0.10	0.13	0.01	0.02	0.06	0.94		10.3%	13.4%	0.5%	1.9%	6.1%	100.0%
21			37		5	0.06	0.04	0.01	0.04	0.02	0.87		6.4%	4.0%	0.6%	4.3%	2.8%	100.0%
22			128		1	0.00	0.00	0.00	0.01	0.00	0.29		1.4%	1.4%	1.0%	3.1%	0.7%	100.0%
23			130		1	0.00	0.01	0.01	0.01	0.00	0.36		1.1%	1.4%	1.4%	2.2%	0.5%	100.0%
24			132		1	0.01	0.00	0.01	0.01	0.00	0.36		1.4%	0.8%	1.4%	2.8%	0.6%	100.0%
25			134		1	0.00	0.00	0.00	0.01	0.00	0.38		1.1%	1.1%	1.1%	2.6%	0.5%	100.0%
26			136		1	0.00	0.01	0.01	0.01	0.00	0.20		1.5%	3.0%	2.5%	4.5%	1.0%	100.0%
27			138		2	0.01	0.01	0.01	0.03	0.01	0.57		2.1%	1.4%	2.1%	5.4%	1.2%	100.0%
28			139		2	0.01	0.01	0.00	0.02	0.00	0.76		1.7%	0.9%	0.1%	2.9%	0.3%	100.0%
29			140		2	0.01	0.01	0.01	0.00	0.01	0.77		1.6%	1.7%	1.2%	0.5%	0.6%	100.0%
30			141		2	0.01	0.02	0.02	0.02	0.01	0.56		2.0%	2.8%	2.8%	3.2%	1.1%	100.0%
31			146		2	0.01	0.01	0.01	0.03	0.01	0.65		1.9%	1.1%	1.2%	5.3%	1.1%	100.0%
32	K	Patch	147		2	0.02	0.01	0.00	0.01	0.00	0.90		1.7%	0.8%	0.3%	0.7%	0.3%	100.0%
33			148		2	0.02	0.01	0.02	0.02	0.01	0.79		1.9%	1.6%	1.9%	2.5%	0.8%	100.0%
34			152		5	0.04	0.02	0.01	0.15	0.01	1.67		2.2%	1.3%	0.5%	9.0%	0.8%	100.0%
35			153		5	0.05	0.03	0.01	0.06	0.01	1.76		2.8%	1.8%	0.4%	3.2%	0.5%	100.0%
36			154		5	0.06	0.03	0.01	0.02	0.01	1.93		3.3%	1.6%	0.3%	0.8%	0.4%	100.0%
37			155		5	0.06	0.04	0.01	0.01	0.02	2.05		2.7%	1.9%	0.6%	0.6%	0.9%	100.0%
38			156		5	0.04	0.09	0.07	0.02	0.03	1.98		2.0%	4.6%	3.6%	0.8%	1.7%	100.0%
39			162		5	0.03	0.03	0.00	0.12	0.01	1.73		2.0%	1.5%	0.2%	6.8%	0.6%	100.0%
40			163		5	0.06	0.03	0.00	0.02	0.01	1.82		3.4%	1.6%	0.2%	0.9%	0.3%	100.0%
41			164		5	0.06	0.04	0.00	0.01	0.01	1.93		3.1%	1.8%	0.2%	0.4%	0.7%	100.0%
42			165		5	0.06	0.06	0.04	0.01	0.02	2.16		2.7%	2.8%	1.9%	0.5%	1.0%	100.0%
43			0	128	2	0.02	0.02	0.01	0.04	0.01	0.50		3.6%	3.2%	1.2%	7.6%	1.4%	100.0%
44			2	130	2	0.02	0.01	0.01	0.03	0.01	0.58		2.7%	2.1%	1.5%	5.3%	1.5%	100.0%
45			4	132	2	0.02	0.01	0.01	0.03	0.01	0.57		3.4%	2.5%	1.4%	4.8%	1.2%	100.0%
46			6	134	2	0.02	0.01	0.01	0.02	0.01	0.60		3.0%	2.0%	1.3%	3.2%	1.7%	100.0%
47			8	136	2	0.02	0.01	0.01	0.02	0.01	0.34		5.0%	2.9%	3.2%	4.4%	2.6%	100.0%
48			10	138	4	0.03	0.02	0.02	0.07	0.02	1.06		2.7%	1.8%	2.1%	6.7%	1.7%	100.0%
49			11	139	4	0.05	0.04	0.00	0.04	0.02	1.17		3.9%	3.0%	0.3%	3.4%	1.5%	100.0%
50			12	140	4	0.05	0.04	0.02	0.01	0.03	1.14		4.1%	3.6%	1.5%	1.2%	2.3%	100.0%
51			13	141	4	0.03	0.04	0.03	0.05	0.02	1.02		3.0%	4.0%	2.7%	4.9%	1.8%	100.0%
52			18	146	4	0.04	0.03	0.01	0.09	0.02	1.11		3.2%	2.8%	1.0%	8.3%	1.9%	100.0%
53			19	147	4	0.05	0.03	0.01	0.02	0.03	1.21		4.3%	2.7%	0.9%	2.0%	2.2%	100.0%
54			20	148	4	0.05	0.03	0.03	0.09	0.02	1.01		5.4%	2.5%	2.5%	9.1%	2.4%	100.0%
55			24	152	10	0.09	0.06	0.03	0.25	0.03	2.89		3.0%	2.1%	0.9%	8.7%	1.1%	100.0%
56			25	153	10	0.13	0.09	0.03	0.11	0.05	2.82		4.6%	3.3%	0.9%	3.8%	1.7%	100.0%
57			26	154	10	0.20	0.14	0.01	0.03	0.07	3.08		6.3%	4.5%	0.5%	1.1%	2.3%	100.0%
58			27	155	10	0.17	0.16	0.02	0.05	0.10	3.53		4.8%	4.6%	0.5%	1.4%	2.8%	100.0%
59			28	156	10	0.12	0.16	0.13	0.12	0.06	3.22		3.7%	4.9%	4.0%	3.8%	1.8%	100.0%
60			34	162	10	0.09	0.06	0.02	0.22	0.03	2.87		3.1%	2.2%	0.6%	7.5%	1.1%	100.0%
61			35	163	10	0.14	0.16	0.01	0.05	0.05	2.88		5.0%	5.4%	0.4%	1.8%	1.7%	100.0%
62			36	164	10	0.22	0.19	0.01	0.03	0.13	3.21		6.9%	5.9%	0.4%	1.0%	3.9%	100.0%
63			37	165	10	0.19	0.12	0.06	0.05	0.07	3.77		5.0%	3.3%	1.5%	1.4%	1.7%	100.0%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	max ratio out of all beams: ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
							61.5%	7.6%	9.9%	2.8%	8.9%	2.8%	61.5%
1	0.01	0.01	0.00	0.01	0.00	0.08	45.1%	2.9%	4.0%	0.6%	7.5%	1.2%	45.1%
2	0.01	0.01	0.00	0.01	0.00	0.08	41.1%	3.8%	3.8%	0.5%	5.4%	1.1%	41.1%
3	0.01	0.01	0.00	0.01	0.00	0.07	40.9%	4.3%	3.7%	1.2%	5.5%	1.2%	40.9%
4	0.01	0.01	0.00	0.01	0.00	0.09	43.9%	3.4%	3.4%	0.5%	2.9%	1.0%	43.9%
5	0.01	0.01	0.00	0.00	0.00	0.05	42.2%	6.0%	4.3%	0.9%	3.4%	1.7%	42.2%
6	0.01	0.01	0.00	0.03	0.00	0.15	42.5%	2.6%	2.9%	1.1%	7.5%	0.9%	42.5%
7	0.02	0.02	0.00	0.02	0.00	0.21	46.7%	4.3%	3.6%	0.2%	3.4%	0.9%	46.7%
8	0.02	0.02	0.00	0.01	0.01	0.16	42.0%	5.2%	4.6%	0.5%	2.1%	1.5%	42.0%
9	0.01	0.01	0.01	0.01	0.00	0.16	49.5%	2.9%	3.2%	1.6%	4.5%	1.3%	49.5%
10	0.01	0.02	0.00	0.02	0.00	0.17	43.6%	3.1%	4.9%	0.3%	5.7%	1.0%	43.6%
11	0.02	0.02	0.00	0.01	0.01	0.20	50.3%	3.8%	4.1%	0.5%	2.5%	1.8%	50.3%
12	0.01	0.01	0.00	0.03	0.01	0.13	41.6%	3.5%	2.5%	1.0%	8.9%	1.6%	41.6%
13	0.02	0.02	0.00	0.04	0.01	0.42	50.5%	2.3%	2.3%	0.5%	5.0%	0.6%	50.5%
14	0.04	0.06	0.01	0.02	0.01	0.46	48.2%	4.0%	5.9%	0.5%	2.3%	1.4%	48.2%
15	0.07	0.06	0.00	0.01	0.02	0.54	52.3%	7.1%	6.0%	0.2%	0.8%	1.6%	52.3%
16	0.04	0.04	0.00	0.02	0.02	0.49	51.9%	4.3%	4.2%	0.4%	2.4%	2.1%	51.9%
17	0.02	0.01	0.01	0.04	0.01	0.25	42.8%	2.6%	1.0%	1.9%	7.1%	1.0%	42.8%
18	0.02	0.02	0.00	0.04	0.01	0.42	50.2%	2.3%	2.5%	0.5%	4.6%	0.7%	50.2%
19	0.07	0.09	0.00	0.01	0.02	0.49	50.3%	6.9%	9.4%	0.2%	1.1%	2.0%	50.3%
20	0.07	0.09	0.00	0.01	0.03	0.47	50.5%	7.6%	9.9%	0.3%	1.2%	2.8%	50.5%
21	0.03	0.02	0.00	0.03	0.01	0.45	51.6%	3.5%	2.8%	0.5%	3.0%	1.3%	51.6%
22	0.00	0.00	0.00	0.01	0.00	0.12	41.0%	1.0%	1.0%	0.7%	2.4%	0.3%	41.0%
23	0.00	0.00	0.00	0.01	0.00	0.14	39.6%	0.8%	0.8%	1.1%	1.4%	0.3%	39.6%
24	0.00	0.00	0.00	0.01	0.00	0.15	41.1%	0.8%	0.6%	0.8%	1.7%	0.3%	41.1%
25	0.00	0.00	0.00	0.01	0.00	0.15	39.7%	0.8%	0.5%	0.8%	1.9%	0.3%	39.7%
26	0.00	0.00	0.00	0.01	0.00	0.08	40.1%	1.0%	2.0%	1.5%	3.5%	0.5%	40.1%
27	0.01	0.01	0.01	0.02	0.00	0.28	48.9%	1.8%	1.1%	1.4%	3.5%	0.7%	48.9%
28	0.01	0.01	0.00	0.02	0.00	0.41	53.9%	1.3%	0.7%	0.1%	2.0%	0.1%	53.9%
29	0.01	0.01	0.01	0.00	0.00	0.35	45.5%	1.0%	1.0%	0.9%	0.3%	0.4%	45.5%
30	0.01	0.01	0.01	0.01	0.00	0.22	38.9%	1.2%	1.8%	2.1%	2.1%	0.5%	38.9%
31	0.01	0.01	0.01	0.02	0.00	0.30	46.9%	1.5%	0.9%	0.9%	3.6%	0.5%	46.9%
32	0.01	0.01	0.00	0.00	0.00	0.45	50.4%	1.1%	0.6%	0.2%	0.4%	0.2%	50.4%
33	0.01	0.01	0.01	0.01	0.00	0.35	44.5%	1.3%	1.0%	1.5%	1.6%	0.4%	44.5%
34	0.03	0.02	0.01	0.10	0.01	0.81	48.2%	1.7%	1.0%	0.3%	6.1%	0.5%	48.2%
35	0.03	0.02	0.01	0.03	0.01	0.93	53.0%	1.9%	1.4%	0.3%	1.9%	0.3%	53.0%
36	0.05	0.02	0.00	0.01	0.00	1.07	55.7%	2.4%	1.2%	0.2%	0.5%	0.2%	55.7%
37	0.04	0.03	0.01	0.01	0.01	1.22	59.3%	1.9%	1.4%	0.5%	0.5%	0.5%	59.3%
38	0.02	0.05	0.06	0.01	0.02	0.92	46.2%	1.2%	2.7%	2.8%	0.5%	0.9%	46.2%
39	0.03	0.02	0.00	0.08	0.01	0.88	50.7%	1.6%	1.2%	0.2%	4.4%	0.3%	50.7%
40	0.05	0.02	0.00	0.01	0.00	1.02	56.2%	2.5%	1.3%	0.1%	0.8%	0.2%	56.2%
41	0.05	0.03	0.00	0.01	0.01	1.12	58.0%	2.4%	1.4%	0.2%	0.3%	0.4%	58.0%
42	0.04	0.04	0.03	0.01	0.01	1.20	55.7%	1.7%	1.9%	1.4%	0.4%	0.6%	55.7%
43	0.01	0.01	0.00	0.03	0.00	0.21	42.4%	2.2%	2.4%	0.8%	5.0%	0.8%	42.4%
44	0.01	0.01	0.01	0.02	0.01	0.25	42.4%	1.9%	1.5%	1.0%	3.8%	0.9%	42.4%
45	0.01	0.01	0.01	0.02	0.00	0.23	41.2%	2.3%	1.8%	1.1%	3.2%	0.7%	41.2%
46	0.01	0.01	0.01	0.01	0.00	0.28	46.1%	2.3%	1.5%	1.0%	2.3%	0.7%	46.1%
47	0.01	0.01	0.01	0.01	0.00	0.17	50.3%	3.5%	2.1%	2.4%	3.5%	1.2%	50.3%
48	0.02	0.02	0.02	0.05	0.01	0.54	51.0%	2.3%	1.4%	1.5%	4.7%	0.9%	51.0%
49	0.04	0.03	0.00	0.03	0.01	0.65	56.1%	3.1%	2.2%	0.2%	2.6%	0.7%	56.1%
50	0.04	0.03	0.01	0.01	0.01	0.52	45.6%	3.1%	2.6%	1.1%	1.0%	1.0%	45.6%
51	0.02	0.02	0.02	0.04	0.01	0.47	45.4%	2.2%	2.3%	2.0%	3.7%	0.8%	45.4%
52	0.03	0.02	0.01	0.07	0.01	0.49	43.9%	2.3%	1.9%	0.6%	6.1%	1.0%	43.9%
53	0.03	0.02	0.01	0.02	0.01	0.69	57.1%	2.7%	2.0%	0.6%	1.3%	1.1%	57.1%
54	0.03	0.02	0.02	0.06	0.01	0.51	50.2%	3.2%	1.6%	1.7%	6.3%	1.2%	50.2%
55	0.08	0.05	0.02	0.15	0.01	1.57	54.5%	2.6%	1.6%	0.6%	5.1%	0.5%	54.5%
56	0.09	0.07	0.02	0.07	0.03	1.68	59.6%	3.2%	2.4%	0.6%	2.4%	0.9%	59.6%
57	0.14	0.10	0.01	0.02	0.03	1.64	53.2%	4.6%	3.3%	0.3%	0.7%	0.9%	53.2%
58	0.12	0.11	0.02	0.03	0.05	2.17	61.5%	3.4%	3.1%	0.4%	1.0%	1.4%	61.5%
59	0.07	0.09	0.09	0.08	0.03	1.57	48.7%	2.2%	2.8%	2.8%	2.5%	1.0%	48.7%
60	0.07	0.05	0.01	0.13	0.01	1.62	56.6%	2.5%	1.7%	0.3%	4.4%	0.5%	56.6%
61	0.11	0.11	0.01	0.03	0.03	1.65	57.2%	3.9%	4.0%	0.2%	1.0%	0.9%	57.2%
62	0.17	0.14	0.01	0.02	0.06	1.90	59.2%	5.2%	4.2%	0.3%	0.6%	1.8%	59.2%
63	0.10	0.08	0.04	0.04	0.03	2.19	58.1%	2.7%	2.2%	1.1%	1.0%	0.8%	58.1%

- K–patch High CH

						4cm2 PD(mW/cm2)							max ratio out of all beams						4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
													13.8%	12.5%	3.8%	11.4%	6.5%	100.0%							62.5%	9.9%	9.2%	2.8%	9.0%	2.9%	62.5%
No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
1			0		1	0.01	0.01	0.00	0.02	0.00	0.19		3.2%	3.8%	0.5%	10.2%	2.2%	100.0%	0.00	0.01	0.00	0.01	0.00	0.08	45.2%	2.2%	2.7%	0.5%	6.5%	1.1%	45.2%
2			2		1	0.01	0.01	0.00	0.01	0.00	0.17		6.7%	5.5%	1.2%	6.1%	1.8%	100.0%	0.01	0.01	0.00	0.01	0.00	0.06	35.2%	4.2%	3.6%	0.6%	4.2%	1.2%	35.2%
3			4		1	0.01	0.01	0.00	0.01	0.00	0.18		6.0%	4.3%	1.6%	7.1%	2.2%	100.0%	0.01	0.01	0.00	0.01	0.00	0.07	38.0%	4.3%	3.3%	1.1%	4.9%	1.1%	38.0%
4			6		1	0.01	0.01	0.00	0.01	0.01	0.20		6.1%	3.6%	1.0%	4.6%	3.6%	100.0%	0.01	0.01	0.00	0.01	0.00	0.09	45.4%	4.1%	2.6%	1.0%	4.1%	1.5%	45.4%
5			8		1	0.01	0.01	0.00	0.00	0.01	0.10		12.2%	11.2%	2.0%	3.1%	6.1%	100.0%	0.01	0.01	0.00	0.00	0.00	0.04	44.9%	9.2%	7.1%	1.0%	2.0%	2.0%	44.9%
6			10		2	0.01	0.01	0.01	0.04	0.00	0.35		3.5%	3.8%	1.7%	11.0%	1.2%	100.0%	0.01	0.01	0.01	0.03	0.00	0.15	41.9%	2.3%	2.6%	1.4%	9.0%	0.6%	41.9%
7			11		2	0.03	0.02	0.00	0.02	0.02	0.47		6.4%	4.5%	0.4%	3.4%	3.2%	100.0%	0.02	0.01	0.00	0.01	0.01	0.22	46.5%	4.9%	3.0%	0.4%	2.8%	1.5%	46.5%
8			12		2	0.03	0.02	0.00	0.01	0.02	0.35		9.4%	6.8%	0.9%	2.6%	5.4%	100.0%	0.03	0.02	0.00	0.01	0.01	0.15	42.0%	7.4%	4.8%	0.6%	2.0%	2.6%	42.0%
9			13		2	0.01	0.01	0.01	0.03	0.01	0.32		4.4%	4.4%	2.5%	8.5%	2.2%	100.0%	0.01	0.01	0.01	0.02	0.00	0.15	46.7%	3.2%	3.2%	1.9%	6.6%	1.3%	46.7%
10			18		2	0.02	0.03	0.00	0.03	0.01	0.37		5.2%	6.8%	0.5%	7.9%	2.7%	100.0%	0.01	0.02	0.00	0.02	0.00	0.16	44.3%	3.3%	4.9%	0.3%	5.4%	1.1%	44.3%
11			19		2	0.02	0.02	0.00	0.01	0.01	0.39		5.2%	4.2%	0.8%	3.4%	2.6%	100.0%	0.01	0.01	0.00	0.01	0.01	0.17	44.9%	3.4%	2.9%	0.5%	2.1%	1.3%	44.9%
12			20		2	0.01	0.01	0.00	0.04	0.01	0.33		3.7%	4.3%	1.2%	11.4%	2.5%	100.0%	0.01	0.01	0.00	0.03	0.00	0.12	37.2%	2.2%	3.1%	0.9%	7.7%	1.2%	37.2%
13			24		5	0.02	0.06	0.01	0.07	0.02	0.90		2.5%	6.4%	0.9%	7.6%	1.9%	100.0%	0.02	0.04	0.01	0.05	0.01	0.43	47.8%	2.0%	4.5%	0.7%	5.1%	1.0%	47.8%
14			25		5	0.06	0.09	0.01	0.06	0.03	0.97		6.4%	9.2%	0.7%	6.4%	2.8%	100.0%	0.04	0.06	0.01	0.04	0.01	0.43	44.4%	4.0%	6.2%	0.5%	3.7%	1.3%	44.4%
15			26		5	0.11	0.07	0.00	0.02	0.06	1.03		10.4%	7.0%	0.3%	1.6%	5.7%	100.0%	0.08	0.05	0.00	0.01	0.02	0.50	48.0%	7.7%	5.0%	0.3%	0.9%	2.3%	48.0%
16			27		5	0.06	0.08	0.01	0.02	0.03	0.92		6.0%	9.1%	0.7%	2.6%	3.4%	100.0%	0.04	0.06	0.01	0.02	0.02	0.45	49.6%	4.3%	6.2%	0.5%	1.7%	1.9%	49.6%
17			28		5	0.03	0.01	0.02	0.06	0.01	0.61		4.3%	2.0%	3.1%	9.1%	1.8%	100.0%	0.02	0.01	0.01	0.03	0.01	0.28	46.4%	2.8%	1.5%	2.3%	5.6%	0.8%	46.4%
18			34		5	0.02	0.06	0.01	0.07	0.02	0.92		2.6%	6.8%	0.9%	7.2%	2.0%	100.0%	0.02	0.04	0.01	0.04	0.01	0.43	46.9%	2.0%	4.7%	0.7%	4.7%	1.1%	46.9%
19			35		5	0.12	0.10	0.00	0.02	0.05	0.92		13.0%	11.0%	0.3%	2.0%	5.0%	100.0%	0.08	0.07	0.00	0.01	0.02	0.43	46.7%	8.3%	8.0%	0.2%	1.1%	2.2%	46.7%
20			36		5	0.12	0.11	0.00	0.01	0.06	0.87		13.8%	12.5%	0.5%	1.5%	6.5%	100.0%	0.09	0.08	0.00	0.01	0.03	0.41	47.3%	9.9%	9.2%	0.3%	0.8%	2.9%	47.3%
21			37		5	0.04	0.04	0.01	0.02	0.02	0.85		4.2%	4.7%	0.6%	2.1%	2.6%	100.0%	0.02	0.03	0.00	0.01	0.01	0.44	51.8%	2.5%	3.1%	0.5%	1.6%	1.4%	51.8%
22			128		1	0.00	0.00	0.00	0.01	0.00	0.31		1.3%	1.0%	0.7%	2.9%	0.3%	100.0%	0.00	0.00	0.00	0.01	0.00	0.14	45.1%	1.0%	0.7%	0.3%	2.3%	0.3%	45.1%
23			130		1	0.01	0.01	0.00	0.01	0.00	0.37		1.3%	1.3%	1.1%	2.2%	0.5%	100.0%	0.00	0.00	0.00	0.01	0.00	0.15	39.8%	1.1%	0.8%	0.8%	1.3%	0.3%	39.8%
24			132		1	0.01	0.00	0.00	0.01	0.00	0.36		1.4%	1.1%	1.1%	2.5%	0.6%	100.0%	0.00	0.00	0.00	0.01	0.00	0.15	40.7%	1.1%	0.6%	0.8%	1.7%	0.3%	40.7%
25			134		1	0.01	0.00	0.00	0.01	0.00	0.38		1.3%	1.1%	1.1%	2.1%	0.5%	100.0%	0.00	0.00	0.00	0.01	0.00	0.15	39.7%	1.1%	0.8%	0.8%	1.6%	0.3%	39.7%
26			136		1	0.00	0.01	0.01	0.01	0.00	0.20		2.0%	3.0%	2.5%	4.0%	1.0%	100.0%	0.00	0.00	0.00	0.01	0.00	0.07	34.7%	1.5%	1.5%	1.5%	3.5%	0.5%	34.7%
27			138		2	0.01	0.01	0.01	0.03	0.01	0.58		2.4%	1.5%	1.7%	5.3%	1.2%	100.0%	0.01	0.01	0.01	0.02	0.00	0.27	46.9%	2.2%	1.0%	1.2%	3.6%	0.7%	46.9%
28			139		2	0.01	0.01	0.00	0.02	0.00	0.78		1.8%	0.8%	0.1%	3.0%	0.1%	100.0%	0.01	0.01	0.00	0.02	0.00	0.42	53.9%	1.3%	0.6%	0.0%	1.9%	0.1%	53.9%
29			140		2	0.01	0.01	0.01	0.01	0.01	0.78		1.5%	1.4%	1.0%	0.8%	0.6%	100.0%	0.01	0.01	0.01	0.00	0.00	0.37	47.8%	1.3%	0.9%	0.8%	0.5%	0.4%	47.8%
30			141		2	0.01	0.01	0.01	0.02	0.01	0.55		2.0%	2.3%	1.8%	3.2%	1.1%	100.0%	0.01	0.01	0.01	0.01	0.00	0.24	42.8%	1.3%	1.6%	1.4%	2.3%	0.5%	42.8%
31			146		2	0.01	0.01	0.01	0.03	0.01	0.63		2.2%	0.9%	1.1%	4.4%	0.9%	100.0%	0.01	0.01	0.01	0.02	0.00	0.29	45.5%	1.7%	0.8%	0.8%	3.3%	0.5%	45.5%
32	K	Patch	147		2	0.02	0.01	0.00	0.01	0.00	0.90		1.8%	0.7%	0.3%	0.7%	0.3%	100.0%	0.01	0.01	0.00	0.00	0.00	0.46	50.7%	1.2%	0.6%	0.2%	0.4%	0.2%	50.7%
33			148		2	0.02	0.01	0.01	0.02	0.01	0.78		2.2%	1.8%	1.5%	2.4%	0.8%	100.0%	0.01	0.01	0.01	0.01	0.00	0.34	43.5%	1.3%	1.2%	1.2%	1.5%	0.4%	43.5%
34			152		5	0.04	0.02	0.01	0.14	0.01	1.66		2.4%	1.4%	0.5%	8.4%	0.8%	100.0%	0.03	0.02	0.01	0.09	0.01	0.81	48.9%	2.0%	1.1%	0.4%	5.7%	0.4%	48.9%
35			153		5	0.06	0.03	0.01	0.05	0.01	1.76		3.3%	1.7%	0.3%	3.0%	0.5%	100.0%	0.04	0.02	0.01	0.03	0.01	0.92	52.6%	2.3%	1.4%	0.3%	1.7%	0.3%	52.6%
36			154		5	0.07	0.03	0.01	0.01	0.01	1.95		3.5%	1.5%	0.3%	0.6%	0.6%	100.0%	0.05	0.02	0.00	0.01	0.01	1.08	55.5%	2.6%	1.2%	0.2%	0.4%	0.3%	55.5%
37			155		5	0.06	0.04	0.01	0.01	0.02	2.02		3.0%	2.0%	0.6%	0.5%	1.0%	100.0%	0.04	0.03	0.01	0.01	0.01	1.16	57.4%	1.9%	1.4%	0.4%	0.4%	0.5%	57.4%
38			156		5	0.05	0.09	0.07	0.02	0.04	1.89		2.9%	4.5%	3.6%	1.0%	1.8%	100.0%	0.03	0.05	0.05	0.01	0.02	0.87	45.9%	1.7%	2.9%	2.5%	0.6%	1.0%	45.9%
39			162		5	0.04	0.03	0.01	0.11	0.01	1.74		2.1%	1.6%	0.3%	6.1%	0.6%	100.0%	0.03	0.02	0.00	0.07	0.01	0.89	50.9%	1.8%	1.3%	0.2%	3.8%	0.3%	50.9%
40			163		5	0.07	0.03	0.00	0.02	0.01	1.82		3.7%	1.6%	0.2%	0.9%	0.3%	100.0%	0.05	0.02	0.00	0.01	0.00	1.02	55.9%	2.7%	1.2%	0.2%	0.8%	0.2%	55.9%
41			164		5	0.06	0.03	0.01	0.01	0.02	1.91		3.3%	1.8%	0.3%	0.5%	0.8%	100.0%	0.05	0.03	0.00	0.01	0.01	1.10	57.4%	2.6%	1.4%	0.2%	0.4%	0.4%	57.4%
42			165		5	0.08	0.07	0.04	0.02	0.02	2.03		3.8%	3.6%	2.0%	0.7%	1.2%	100.0%	0.05	0.04	0.03	0.01	0.02	1.12	55.2%	2.4%	2.1%	1.5%	0.5%	0.7%	55.2%
43			0	128	2	0.02	0.01	0.00	0.03	0.01	0.52		2.9%	2.1%	0.8%	5.8%	1.3%	100.0%	0.01	0.01	0.00	0.02	0.00	0.23	43.4%	1.9%	1.5%	0.6%	3.9%	0.6%	43.4%
44			2	130	2	0.02	0.01	0.01	0.03	0.01	0.60		2.9%	2.2%	1.2%	4.4%	1.5%	100.0%	0.01	0.01	0.01	0.02	0.01	0.24	39.8%	1.8%	1.5%	0.8%	3.2%	0.8%	39.8%
45			4	132	2	0.02	0.02	0.01	0.02	0.01	0.60		3.0%	2.5%	1.7%	3.5%	1.2%	100.0%	0.01	0.01	0.01	0.02	0.00	0.24	39.9%	2.3%	1.7%	1.2%	2.6%	0.5%	39.9%
46			6	134	2	0.02	0.01	0.01	0.02	0.01	0.62		2.9%	1.8%	1.3%	3.2%	1.9%	100.0%	0.01	0.01	0.01	0.02	0.01	0.29	46.4%	2.1%	1.3%	1.0%	2.6%	0.8%	46.4%
47			8	136	2	0.02	0.01	0.01	0.01	0.01	0.32		5.9%	3.8%	3.8%	4.4%	3.4%	100.0%	0.01	0.01	0.01	0.01	0.01	0.15	45.9%	4.4%	2.8%	2.8%	3.4%	1.6%	45.9%
48			10	138	4	0.03	0.03	0.02	0.07	0.01	1.11		2.8%	2.3%	2.0%	6.2%	1.3%	100.0%	0.03	0.02	0.02	0.06	0.01	0.56	50.4%	2.4%	1.6%	1.4%	5.0%	0.5%	50.4%
49			11	139	4	0.05	0.03	0.01	0.05	0.02	1.23		3.9%	2.2%	0.4%	3.7%	1.8%	100.0%	0.04	0.02	0.00	0.03	0.01	0.66	53.9%	3.1%	1.6%	0.3%	2.4%	0.7%	53.9%
50			12	140	4	0.06	0.05	0.02	0.01	0.03	1.16		5.4%	4.2%	1.3%	1.1%	2.7%	100.0%	0.05	0.03	0.01	0.01	0.01	0.51	44.2%	3.9%	2.9%	0.9%	0.9%	1.2%	44.2%
51			13	141	4	0.04	0.04	0.03	0.05	0.02	1.07		3.4%	3.3%	2.4%	4.4%	1.4%	100.0%	0.02	0.02	0.02	0.04	0.01	0.49	45.4%	2.2%	2.0%	1.7%	3.3%	0.7%	45.4%
52			18	146	4	0.03	0.03	0.01	0.08	0.02	1.10		3.1%	2.6%	1.0%	7.4%	2.1%	100.0%	0.03	0.02	0.01	0.06	0.01	0.47	42.5%	2.6%	1.8%	0.7%	5.4%	0.9%	42.5%
53			19	147	4	0.04	0.02	0.01	0.02	0.02	1.19		3.2%	1.9%	0.7%	1.4%	1.8%	100.0%	0.03	0.02	0.01	0.01	0.01	0.67	56.2%	2.2%	1.3%	0.4%	0.9%	1.0%	56.2%
54			20	148	4	0.05	0.03	0.02	0.09	0.02	1.03		4.4%	2.6%	2.2%	8.4%	2.2%	100.0%	0.03	0.02	0.02	0.06	0.01	0.50	48.6%	2.7%	1.7%	1.5%	5.7%	1.2%	48.6%
55			24	152	10	0.08	0.09	0.03	0.28	0.04	3.08		2.7%	3.0%	0.9%	9.0%	1.2%	100.0%	0.07	0.07	0.02	0.18	0.02	1.69	54.9%	2.4%	2.1%	0.6%	5.7%	0.6%	54.9%
56			25	153	10	0.13	0.12	0.03	0.11	0.04	2.92		4.6%	4.0%	0.9%	3.6%	1.5%	100.0%	0.11	0.08	0.02	0.06	0.02	1.69	57.9%	3.6%	2.7%	0.6%	2.1%	0.7%	57.9%
57			26	154	10	0.21	0.13	0.01	0.03	0.11	3.12		6.9%	4.2%	0.4%	0.9%	3.6%	100.0%	0.16	0.09	0.01	0.02	0.05	1.65	52.9%	5.1%	3.0%	0.3%	0.7%	1.5%	52.9%
58			27	155	10	0.15	0.17	0.02	0.04	0.09	3.51		4.3%	4.9%	0.5%	1.0%	2.4%	100.0%	0.09	0.11	0.01	0.02	0.05	2.20	62.5%	2.4%	3.2%	0.3%	0.7%	1.3%	62.5%
59			28	156	10	0.10	0.14	0.12	0.11	0.06	3.31		3.0%	4.2%	3.5%	3.4%	1.8%	100.0%	0.06	0.08	0.08	0.08	0.03	1.63	49.2%	1.9%	2.5%	2.4%	2.3%	1.0%	49.2%
60			34	162	10	0.09	0.10	0.02	0.23	0.03	3.07		2.9%	3.2%	0.7%	7.5%	1.1%	100.0%	0.07	0.07	0.02	0.15	0.02	1.75	56.9%	2.4%	2.3%	0.5%	4.8%	0.6%	56.9%
61			35	163	10	0.18	0.12	0.01	0.04	0.06	2.83		6.3%	4.3%	0.4%	1.3%	2.1%	100.0%	0.14	0.09	0.01	0.02	0.03	1.59	56.4%	4.9%	3.2%	0.2%	0.8%	0.9%	56.4%
62			36	164	10	0.27	0.17	0.01	0.03	0.13	3.07		8.7%	5.4%	0.4%	0.8%	4.2%	100.0%	0.19	0.12	0.01	0.02	0.06	1.81	59.1%	6.2%	3.9%	0.3%	0.6%	1.9%	59.1%
63			37	165	10	0.19	0.15	0.04	0.05	0.08	3.72		5.1%	3.9%	1.2%	1.3%	2.0%	100.0%	0.11	0.09	0.03	0.03	0.04	2.23	60.0%	3.0%	2.4%	0.9%	0.9%	1.0%	60.0%

[Folder Closed Status]

- K–patch Low CH

						4cm2 PD(mW/cm2)							max ratio out of all beams						4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
													11.0%	47.2%	4.2%	14.3%	6.8%	100.0%							61.6%	7.0%	29.1%	3.1%	10.2%	3.4%	61.6%
No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
1			0		1	0.01	0.05	0.00	0.02	0.00	0.15		4.1%	34.0%	0.7%	14.3%	2.0%	100.0%	0.00	0.03	0.00	0.02	0.00	0.06	39.5%	2.7%	17.7%	0.7%	10.2%	1.4%	39.5%
2			2		1	0.01	0.04	0.00	0.01	0.00	0.16		4.4%	25.3%	0.6%	7.0%	1.9%	100.0%	0.01	0.02	0.00	0.01	0.00	0.08	47.5%	3.2%	14.6%	0.6%	5.1%	1.3%	47.5%
3			4		1	0.01	0.04	0.00	0.01	0.00	0.13		6.9%	30.5%	1.5%	9.2%	3.1%	100.0%	0.01	0.02	0.00	0.01	0.00	0.06	45.8%	4.6%	16.0%	0.8%	6.1%	1.5%	45.8%
4			6		1	0.01	0.04	0.00	0.01	0.00	0.15		4.0%	28.7%	2.0%	3.3%	2.7%	100.0%	0.00	0.02	0.00	0.00	0.00	0.07	48.7%	2.7%	16.0%	1.3%	2.7%	1.3%	48.7%
5			8		1	0.01	0.04	0.00	0.00	0.00	0.12		6.7%	36.7%	2.5%	3.3%	1.7%	100.0%	0.01	0.02	0.00	0.00	0.00	0.05	41.7%	5.0%	20.0%	1.7%	2.5%	0.8%	41.7%
6			10		2	0.01	0.05	0.01	0.03	0.01	0.23		6.2%	22.1%	3.1%	11.9%	2.2%	100.0%	0.01	0.03	0.01	0.02	0.00	0.09	40.3%	4.0%	11.9%	2.2%	9.3%	1.3%	40.3%
7			11		2	0.03	0.13	0.00	0.01	0.01	0.35		7.1%	35.5%	0.6%	4.0%	3.7%	100.0%	0.02	0.07	0.00	0.01	0.01	0.17	49.1%	4.5%	19.6%	0.6%	3.1%	2.0%	49.1%
8			12		2	0.02	0.12	0.00	0.01	0.01	0.32		6.2%	37.8%	0.9%	1.9%	3.1%	100.0%	0.02	0.07	0.00	0.00	0.01	0.16	49.5%	4.6%	22.3%	0.6%	1.2%	1.5%	49.5%
9			13		2	0.01	0.06	0.01	0.02	0.00	0.23		5.7%	24.1%	2.6%	8.8%	1.8%	100.0%	0.01	0.03	0.00	0.02	0.00	0.12	54.4%	3.1%	12.7%	1.8%	6.6%	0.9%	54.4%
10			18		2	0.02	0.11	0.00	0.03	0.01	0.33		4.6%	34.5%	0.9%	9.5%	1.8%	100.0%	0.01	0.06	0.00	0.02	0.00	0.13	40.5%	3.0%	18.6%	0.6%	7.0%	0.9%	40.5%
11			19		2	0.02	0.11	0.00	0.01	0.01	0.36		5.8%	31.7%	0.8%	3.6%	2.2%	100.0%	0.01	0.07	0.00	0.01	0.01	0.19	51.7%	3.3%	18.1%	0.6%	2.5%	1.4%	51.7%
12			20		2	0.02	0.05	0.00	0.04	0.00	0.25		6.3%	20.6%	1.2%	14.3%	1.6%	100.0%	0.01	0.03	0.00	0.02	0.00	0.12	47.2%	3.6%	11.5%	1.2%	9.5%	1.2%	47.2%
13			24		5	0.02	0.16	0.01	0.05	0.01	0.56		4.1%	27.9%	1.4%	8.4%	1.1%	100.0%	0.02	0.09	0.01	0.04	0.00	0.25	44.3%	3.4%	16.6%	0.9%	6.6%	0.7%	44.3%
14			25		5	0.05	0.29	0.00	0.03	0.02	0.82		6.5%	35.9%	0.5%	4.0%	2.1%	100.0%	0.03	0.19	0.00	0.02	0.01	0.38	46.5%	3.8%	23.2%	0.2%	2.8%	1.1%	46.5%
15			26		5	0.08	0.38	0.01	0.02	0.05	0.80		10.6%	47.2%	0.9%	2.5%	6.8%	100.0%	0.06	0.22	0.00	0.01	0.03	0.46	57.2%	6.9%	27.8%	0.4%	1.8%	3.4%	57.2%
16			27		5	0.05	0.27	0.01	0.02	0.02	0.86		5.3%	31.0%	0.6%	2.2%	2.0%	100.0%	0.03	0.18	0.01	0.01	0.01	0.46	52.9%	3.4%	20.4%	0.6%	1.4%	1.2%	52.9%
17			28		5	0.05	0.08	0.01	0.05	0.01	0.52		8.9%	15.4%	2.7%	9.2%	1.0%	100.0%	0.03	0.04	0.01	0.03	0.00	0.24	46.6%	5.4%	7.3%	2.1%	5.6%	0.6%	46.6%
18			34		5	0.02	0.17	0.01	0.04	0.01	0.58		4.0%	29.1%	1.0%	7.6%	1.2%	100.0%	0.02	0.10	0.00	0.03	0.00	0.26	44.2%	3.3%	17.7%	0.7%	5.9%	0.7%	44.2%
19			35		5	0.09	0.37	0.01	0.02	0.04	0.82		11.0%	45.7%	0.7%	2.3%	4.6%	100.0%	0.06	0.22	0.00	0.01	0.02	0.43	52.6%	7.0%	27.3%	0.4%	1.6%	2.4%	52.6%
20			36		5	0.07	0.29	0.01	0.01	0.03	0.85		8.0%	33.6%	0.7%	1.4%	3.7%	100.0%	0.04	0.18	0.00	0.01	0.02	0.45	53.0%	4.9%	21.4%	0.5%	0.9%	2.1%	53.0%
21			37		5	0.06	0.17	0.01	0.03	0.01	0.77		7.7%	22.2%	1.4%	3.5%	1.3%	100.0%	0.04	0.10	0.01	0.02	0.01	0.41	52.9%	4.7%	13.6%	1.2%	2.2%	0.8%	52.9%
22			128		1	0.00	0.07	0.00	0.01	0.00	0.28		1.1%	23.6%	0.7%	4.6%	0.7%	100.0%	0.00	0.03	0.00	0.01	0.00	0.12	40.8%	0.7%	10.6%	0.7%	3.2%	0.4%	40.8%
23			130		1	0.00	0.09	0.00	0.02	0.00	0.36		1.1%	25.5%	1.1%	4.8%	0.8%	100.0%	0.00	0.04	0.00	0.01	0.00	0.15	41.7%	0.8%	11.2%	0.8%	3.6%	0.6%	41.7%
24			132		1	0.00	0.09	0.01	0.02	0.00	0.35		1.1%	24.7%	1.4%	4.5%	0.9%	100.0%	0.00	0.04	0.00	0.01	0.00	0.15	41.8%	0.9%	11.6%	0.9%	3.4%	0.6%	41.8%
25			134		1	0.00	0.10	0.01	0.01	0.00	0.38		1.1%	25.1%	1.3%	2.9%	0.5%	100.0%	0.00	0.05	0.00	0.01	0.00	0.16	41.3%	0.8%	12.4%	0.8%	2.1%	0.3%	41.3%
26			136		1	0.00	0.04	0.00	0.01	0.00	0.20		2.0%	19.9%	1.5%	5.1%	1.0%	100.0%	0.00	0.02	0.00	0.01	0.00	0.08	38.8%	1.5%	9.2%	1.0%	3.1%	0.5%	38.8%
27			138		2	0.01	0.19	0.01	0.06	0.01	0.56		1.6%	34.0%	2.0%	11.1%	1.8%	100.0%	0.01	0.10	0.01	0.05	0.01	0.27	48.7%	1.3%	17.9%	1.3%	8.4%	1.1%	48.7%
28			139		2	0.01	0.25	0.00	0.02	0.00	0.78		1.4%	32.3%	0.0%	3.1%	0.4%	100.0%	0.01	0.12	0.00	0.02	0.00	0.40	52.1%	1.0%	15.5%	0.0%	2.2%	0.3%	52.1%
29			140		2	0.01	0.24	0.01	0.01	0.01	0.74		1.4%	32.0%	1.1%	1.5%	0.7%	100.0%	0.01	0.11	0.01	0.01	0.00	0.36	48.3%	1.0%	14.7%	0.8%	1.0%	0.4%	48.3%
30			141		2	0.01	0.14	0.01	0.05	0.01	0.49		1.6%	27.9%	2.6%	9.3%	1.4%	100.0%	0.00	0.07	0.01	0.03	0.00	0.20	40.1%	0.8%	13.2%	1.8%	6.9%	0.8%	40.1%
31			146		2	0.01	0.19	0.01	0.04	0.01	0.63		1.6%	29.2%	1.1%	6.6%	1.1%	100.0%	0.01	0.09	0.00	0.03	0.00	0.30	46.8%	1.3%	13.7%	0.6%	4.9%	0.6%	46.8%
32	K	Patch	147		2	0.01	0.28	0.00	0.01	0.00	0.90		1.6%	30.8%	0.3%	0.7%	0.2%	100.0%	0.01	0.14	0.00	0.00	0.00	0.46	50.9%	1.1%	15.0%	0.2%	0.4%	0.1%	50.9%
33			148		2	0.01	0.24	0.02	0.03	0.01	0.80		1.5%	29.7%	2.1%	3.5%	0.9%	100.0%	0.01	0.12	0.01	0.02	0.00	0.37	46.6%	0.9%	15.0%	1.4%	2.5%	0.5%	46.6%
34			152		5	0.03	0.59	0.00	0.15	0.02	1.69		2.0%	35.0%	0.2%	9.1%	0.9%	100.0%	0.03	0.31	0.00	0.11	0.01	0.83	49.1%	1.6%	18.1%	0.2%	6.5%	0.5%	49.1%
35			153		5	0.04	0.73	0.01	0.06	0.01	1.76		2.3%	41.8%	0.3%	3.3%	0.3%	100.0%	0.03	0.42	0.01	0.04	0.00	0.95	54.0%	1.7%	23.7%	0.3%	2.0%	0.2%	54.0%
36			154		5	0.06	0.85	0.00	0.02	0.01	1.87		3.1%	45.2%	0.2%	0.9%	0.3%	100.0%	0.04	0.50	0.00	0.01	0.00	1.08	57.5%	2.2%	26.9%	0.1%	0.6%	0.2%	57.5%
37			155		5	0.05	0.90	0.00	0.02	0.02	2.02		2.3%	44.5%	0.2%	0.7%	0.9%	100.0%	0.03	0.50	0.00	0.01	0.01	1.23	60.9%	1.4%	24.9%	0.1%	0.5%	0.5%	60.9%
38			156		5	0.03	0.62	0.07	0.03	0.03	1.97		1.3%	31.4%	3.5%	1.3%	1.6%	100.0%	0.02	0.28	0.05	0.02	0.02	0.91	46.2%	0.9%	14.0%	2.7%	0.9%	1.1%	46.2%
39			162		5	0.03	0.67	0.00	0.13	0.01	1.74		2.0%	38.5%	0.1%	7.3%	0.7%	100.0%	0.03	0.36	0.00	0.09	0.01	0.92	52.6%	1.6%	20.8%	0.1%	4.9%	0.5%	52.6%
40			163		5	0.06	0.80	0.00	0.02	0.01	1.80		3.3%	44.3%	0.2%	1.1%	0.3%	100.0%	0.04	0.48	0.00	0.01	0.00	1.03	56.9%	2.4%	26.6%	0.1%	0.8%	0.2%	56.9%
41			164		5	0.05	0.87	0.00	0.01	0.01	1.90		2.7%	46.0%	0.2%	0.7%	0.5%	100.0%	0.04	0.52	0.00	0.01	0.01	1.13	59.7%	2.1%	27.2%	0.2%	0.5%	0.3%	59.7%
42			165		5	0.04	0.79	0.03	0.02	0.03	2.07		1.9%	38.3%	1.3%	1.0%	1.4%	100.0%	0.02	0.40	0.02	0.01	0.02	1.12	54.3%	1.2%	19.5%	1.1%	0.6%	0.7%	54.3%
43			0	128	2	0.01	0.15	0.00	0.06	0.01	0.45		2.7%	34.3%	0.9%	13.1%	1.8%	100.0%	0.01	0.07	0.00	0.04	0.01	0.20	44.3%	1.8%	16.5%	0.7%	9.8%	1.1%	44.3%
44			2	130	2	0.02	0.14	0.01	0.04	0.01	0.55		2.7%	25.0%	1.5%	7.7%	1.1%	100.0%	0.01	0.06	0.01	0.03	0.00	0.25	44.7%	1.8%	11.7%	1.1%	5.5%	0.7%	44.7%
45			4	132	2	0.02	0.14	0.01	0.04	0.01	0.53		2.8%	25.7%	2.1%	7.2%	1.1%	100.0%	0.01	0.06	0.01	0.03	0.00	0.23	43.2%	1.9%	11.9%	1.3%	4.9%	0.8%	43.2%
46			6	134	2	0.01	0.14	0.01	0.02	0.01	0.54		2.2%	25.9%	2.6%	3.7%	0.9%	100.0%	0.01	0.07	0.01	0.01	0.00	0.26	48.2%	1.3%	12.2%	1.8%	2.6%	0.6%	48.2%
47			8	136	2	0.02	0.09	0.01	0.02	0.00	0.35		4.3%	26.1%	3.2%	4.6%	1.1%	100.0%	0.01	0.05	0.01	0.01	0.00	0.15	43.0%	3.2%	12.9%	2.3%	3.4%	0.6%	43.0%
48			10	138	4	0.03	0.26	0.03	0.12	0.02	0.91		2.8%	28.7%	3.6%	13.2%	2.0%	100.0%	0.02	0.14	0.02	0.09	0.01	0.42	45.8%	2.3%	15.4%	2.4%	9.4%	1.2%	45.8%
49			11	139	4	0.04	0.34	0.00	0.03	0.02	1.08		3.7%	31.5%	0.4%	3.1%	1.6%	100.0%	0.03	0.17	0.00	0.03	0.01	0.58	53.8%	2.8%	15.6%	0.3%	2.3%	0.8%	53.8%
50			12	140	4	0.04	0.32	0.02	0.02	0.02	1.04		3.4%	31.0%	1.4%	1.4%	1.6%	100.0%	0.03	0.17	0.01	0.01	0.01	0.49	47.1%	2.5%	16.3%	1.1%	1.1%	0.8%	47.1%
51			13	141	4	0.02	0.25	0.04	0.10	0.01	0.90		2.6%	28.2%	4.0%	11.3%	1.4%	100.0%	0.02	0.12	0.02	0.07	0.01	0.41	45.6%	1.8%	13.3%	2.7%	8.0%	0.8%	45.6%
52			18	146	4	0.03	0.32	0.01	0.13	0.02	1.07		2.7%	29.4%	1.2%	11.7%	1.8%	100.0%	0.03	0.16	0.01	0.10	0.01	0.48	44.3%	2.4%	15.0%	0.9%	8.9%	1.1%	44.3%
53			19	147	4	0.04	0.38	0.01	0.03	0.01	1.22		3.0%	31.3%	0.5%	2.0%	0.9%	100.0%	0.02	0.20	0.00	0.02	0.01	0.68	55.4%	2.0%	16.3%	0.3%	1.3%	0.7%	55.4%
54			20	148	4	0.04	0.31	0.03	0.11	0.02	0.97		4.0%	32.1%	2.7%	11.4%	1.6%	100.0%	0.03	0.15	0.02	0.08	0.01	0.48	49.5%	2.7%	15.5%	1.9%	8.0%	0.9%	49.5%
55			24	152	10	0.08	0.93	0.02	0.21	0.02	2.55		3.3%	36.6%	0.8%	8.1%	0.9%	100.0%	0.07	0.51	0.01	0.14	0.01	1.29	50.6%	2.7%	19.9%	0.5%	5.4%	0.5%	50.6%
56			25	153	10	0.12	1.23	0.01	0.11	0.03	2.62		4.4%	46.8%	0.5%	4.0%	1.1%	100.0%	0.10	0.72	0.01	0.08	0.02	1.51	57.6%	3.7%	27.4%	0.3%	2.9%	0.6%	57.6%
57			26	154	10	0.16	1.32	0.01	0.04	0.07	2.85		5.5%	46.3%	0.4%	1.5%	2.5%	100.0%	0.11	0.81	0.01	0.03	0.04	1.58	55.5%	3.9%	28.2%	0.3%	1.0%	1.3%	55.5%
58			27	155	10	0.14	1.36	0.02	0.04	0.06	3.40		4.2%	40.1%	0.4%	1.1%	1.7%	100.0%	0.09	0.75	0.01	0.03	0.03	2.09	61.6%	2.6%	22.2%	0.4%	0.8%	1.0%	61.6%
59			28	156	10	0.11	0.83	0.13	0.11	0.04	2.98		3.6%	27.9%	4.2%	3.8%	1.4%	100.0%	0.07	0.35	0.09	0.08	0.03	1.36	45.5%	2.4%	11.9%	3.1%	2.6%	0.9%	45.5%
60			34	162	10	0.08	1.08	0.01	0.19	0.02	2.51		3.2%	42.9%	0.5%	7.4%	0.8%	100.0%	0.06	0.61	0.01	0.11	0.01	1.36	54.3%	2.5%	24.2%	0.3%	4.5%	0.5%	54.3%
61			35	163	10	0.13	1.27	0.01	0.05	0.04	2.72		4.7%	46.8%	0.3%	1.7%	1.6%	100.0%	0.09	0.79	0.01	0.03	0.02	1.47	54.1%	3.3%	29.1%	0.2%	1.2%	0.9%	54.1%
62			36	164	10	0.16	1.30	0.01	0.04	0.06	3.07		5.3%	42.2%	0.4%	1.4%	1.9%	100.0%	0.11	0.76	0.01	0.03	0.04	1.85	60.1%	3.6%	24.7%	0.3%	1.0%	1.3%	60.1%
63			37	165	10	0.12	1.13	0.04	0.07	0.04	3.30		3.7%	34.3%	1.1%	2.2%	1.2%	100.0%	0.07	0.60	0.03	0.05	0.02	1.88	56.9%	2.2%	18.1%	0.9%	1.4%	0.7%	56.9%

- K–patch Mid CH

													max ratio out of all beams													max ratio out of all beams						
No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)							10.5%	48.2%	4.9%	14.9%	4.6%	100.0%	4cm2 PD(mW/cm2) at 10mm evaluation distance						62.2%	7.2%	29.1%	3.2%	10.9%	2.8%	62.2%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
1			0		1	0.01	0.06	0.00	0.02	0.00	0.16		4.4%	36.3%	0.6%	12.5%	1.9%	100.0%	0.00	0.03	0.00	0.02	0.00	0.07	45.0%	2.5%	19.4%	0.6%	9.4%	1.3%	45.0%
2			2		1	0.01	0.05	0.00	0.01	0.00	0.18		5.6%	25.1%	0.6%	7.8%	1.1%	100.0%	0.01	0.03	0.00	0.01	0.00	0.07	40.2%	3.4%	15.1%	0.6%	5.6%	1.1%	40.2%
3			4		1	0.01	0.04	0.00	0.01	0.00	0.16		6.3%	26.6%	1.3%	8.2%	1.3%	100.0%	0.01	0.02	0.00	0.01	0.00	0.06	38.6%	4.4%	13.9%	1.3%	6.3%	0.6%	38.6%
4			6		1	0.01	0.04	0.00	0.01	0.00	0.20		4.0%	20.8%	1.0%	3.5%	1.5%	100.0%	0.01	0.02	0.00	0.01	0.00	0.10	47.0%	3.0%	11.4%	0.5%	2.5%	1.0%	47.0%
5			8		1	0.01	0.06	0.00	0.00	0.00	0.11		8.8%	48.2%	2.6%	3.5%	2.6%	100.0%	0.01	0.03	0.00	0.00	0.00	0.05	42.1%	6.1%	25.4%	1.8%	2.6%	1.8%	42.1%
6			10		2	0.01	0.08	0.00	0.04	0.00	0.34		3.8%	23.0%	1.2%	10.2%	0.9%	100.0%	0.01	0.04	0.00	0.03	0.00	0.14	41.7%	2.3%	12.2%	0.9%	8.2%	0.6%	41.7%
7			11		2	0.03	0.14	0.00	0.02	0.01	0.45		5.8%	29.9%	0.4%	4.2%	1.6%	100.0%	0.02	0.08	0.00	0.02	0.00	0.21	46.1%	4.2%	16.6%	0.2%	3.3%	0.9%	46.1%
8			12		2	0.02	0.14	0.00	0.01	0.01	0.38		6.3%	35.4%	0.8%	2.3%	2.6%	100.0%	0.02	0.07	0.00	0.01	0.01	0.17	44.8%	4.9%	18.5%	0.5%	1.6%	1.3%	44.8%
9			13		2	0.01	0.07	0.01	0.02	0.00	0.29		4.1%	22.8%	2.0%	7.5%	1.4%	100.0%	0.01	0.03	0.01	0.02	0.00	0.14	49.0%	3.1%	11.2%	1.7%	5.8%	0.7%	49.0%
10			18		2	0.02	0.15	0.00	0.03	0.01	0.36		4.2%	40.7%	0.6%	8.1%	1.7%	100.0%	0.01	0.08	0.00	0.02	0.00	0.15	42.6%	3.1%	22.6%	0.3%	6.4%	1.1%	42.6%
11			19		2	0.02	0.11	0.00	0.02	0.01	0.38		4.7%	29.6%	0.5%	4.7%	1.6%	100.0%	0.01	0.07	0.00	0.01	0.00	0.19	49.5%	2.9%	17.8%	0.5%	2.9%	1.0%	49.5%
12			20		2	0.01	0.07	0.00	0.05	0.01	0.30		4.6%	23.2%	1.0%	14.9%	2.0%	100.0%	0.01	0.04	0.00	0.03	0.00	0.13	41.4%	3.0%	12.9%	0.7%	10.9%	1.0%	41.4%
13			24		5	0.03	0.28	0.01	0.07	0.01	0.84		3.2%	33.7%	1.0%	7.9%	1.1%	100.0%	0.02	0.16	0.01	0.05	0.01	0.41	48.7%	2.7%	18.9%	0.7%	5.7%	0.6%	48.7%
14			25		5	0.05	0.39	0.00	0.04	0.02	0.93		4.9%	41.2%	0.4%	4.0%	2.2%	100.0%	0.03	0.24	0.00	0.02	0.01	0.45	48.3%	3.3%	25.2%	0.3%	2.6%	1.3%	48.3%
15			26		5	0.11	0.41	0.00	0.01	0.02	1.06		9.9%	38.1%	0.4%	1.2%	2.3%	100.0%	0.07	0.28	0.00	0.01	0.02	0.55	51.5%	6.9%	26.5%	0.3%	0.8%	1.8%	51.5%
16			27		5	0.05	0.31	0.01	0.03	0.02	0.89		5.8%	34.2%	0.9%	3.4%	2.5%	100.0%	0.04	0.19	0.01	0.02	0.01	0.46	51.6%	4.0%	20.9%	0.8%	2.2%	1.3%	51.6%
17			28		5	0.03	0.10	0.02	0.07	0.01	0.57		4.6%	18.1%	2.7%	11.9%	1.6%	100.0%	0.02	0.05	0.01	0.05	0.01	0.25	43.7%	2.8%	8.7%	2.1%	8.1%	0.9%	43.7%
18			34		5	0.03	0.30	0.01	0.06	0.01	0.85		3.3%	34.7%	0.8%	7.4%	1.2%	100.0%	0.02	0.17	0.01	0.04	0.01	0.41	48.6%	2.6%	19.6%	0.6%	5.1%	0.6%	48.6%
19			35		5	0.10	0.42	0.00	0.02	0.02	1.00		10.5%	42.1%	0.3%	1.9%	2.4%	100.0%	0.06	0.29	0.00	0.01	0.02	0.48	48.5%	6.0%	29.1%	0.2%	1.2%	2.0%	48.5%
20			36		5	0.09	0.35	0.01	0.02	0.04	0.87		10.4%	39.8%	0.7%	2.0%	4.6%	100.0%	0.06	0.21	0.00	0.01	0.02	0.42	48.8%	7.2%	24.2%	0.5%	1.3%	2.8%	48.8%
21			37		5	0.05	0.22	0.01	0.03	0.01	0.84		5.5%	26.2%	1.0%	3.8%	1.4%	100.0%	0.03	0.13	0.01	0.02	0.01	0.43	51.4%	3.2%	15.2%	0.8%	2.5%	1.0%	51.4%
22			128		1	0.00	0.06	0.00	0.01	0.00	0.29		1.4%	21.0%	1.0%	3.1%	0.3%	100.0%	0.00	0.03	0.00	0.01	0.00	0.12	41.6%	1.0%	9.1%	0.7%	2.1%	0.3%	41.6%
23			130		1	0.00	0.08	0.01	0.01	0.00	0.36		1.1%	22.8%	1.4%	2.2%	0.5%	100.0%	0.00	0.04	0.00	0.01	0.00	0.15	39.8%	0.8%	11.0%	1.1%	1.4%	0.3%	39.8%
24			132		1	0.01	0.08	0.01	0.01	0.00	0.35		1.4%	23.2%	1.4%	2.8%	0.6%	100.0%	0.00	0.04	0.00	0.01	0.00	0.15	41.4%	1.1%	11.0%	1.1%	2.0%	0.3%	41.4%
25			134		1	0.00	0.09	0.01	0.01	0.00	0.38		1.1%	22.8%	1.6%	2.7%	0.5%	100.0%	0.00	0.04	0.00	0.01	0.00	0.15	39.8%	0.8%	11.1%	1.1%	1.9%	0.3%	39.8%
26			136		1	0.00	0.04	0.01	0.01	0.00	0.21		1.4%	20.3%	2.9%	4.3%	1.0%	100.0%	0.00	0.02	0.00	0.01	0.00	0.08	39.1%	1.0%	9.7%	1.9%	3.9%	0.5%	39.1%
27			138		2	0.01	0.19	0.01	0.03	0.01	0.57		2.1%	33.3%	2.3%	5.5%	0.9%	100.0%	0.01	0.10	0.01	0.02	0.00	0.27	48.1%	1.6%	17.7%	1.4%	3.7%	0.5%	48.1%
28			139		2	0.01	0.24	0.00	0.02	0.00	0.76		1.7%	31.7%	0.1%	2.8%	0.1%	100.0%	0.01	0.12	0.00	0.01	0.00	0.41	53.6%	1.2%	15.3%	0.0%	1.7%	0.1%	53.6%
29			140		2	0.01	0.22	0.01	0.00	0.01	0.76		1.6%	28.2%	1.2%	0.5%	0.7%	100.0%	0.01	0.10	0.01	0.00	0.00	0.35	46.0%	1.2%	13.0%	0.8%	0.4%	0.4%	46.0%
30			141		2	0.01	0.14	0.02	0.02	0.01	0.55		2.0%	26.3%	2.9%	3.1%	1.1%	100.0%	0.01	0.06	0.01	0.01	0.00	0.22	39.6%	1.3%	11.7%	1.8%	2.2%	0.7%	39.6%
31			146		2	0.01	0.18	0.01	0.03	0.01	0.64		1.9%	28.2%	1.4%	5.0%	0.8%	100.0%	0.01	0.08	0.01	0.02	0.00	0.30	46.6%	1.6%	12.9%	0.9%	3.4%	0.5%	46.6%
32	K	Patch	147		2	0.01	0.26	0.00	0.01	0.00	0.90		1.6%	29.1%	0.2%	0.8%	0.2%	100.0%	0.01	0.13	0.00	0.00	0.00	0.45	50.3%	1.1%	14.2%	0.2%	0.3%	0.1%	50.3%
33			148		2	0.01	0.22	0.02	0.02	0.01	0.78		1.7%	27.8%	2.4%	2.7%	0.9%	100.0%	0.01	0.11	0.01	0.01	0.00	0.35	44.6%	1.2%	14.0%	1.5%	1.8%	0.5%	44.6%
34			152		5	0.04	0.57	0.01	0.14	0.01	1.67		2.3%	34.2%	0.4%	8.2%	0.8%	100.0%	0.03	0.31	0.01	0.09	0.01	0.80	47.6%	1.9%	18.3%	0.3%	5.2%	0.4%	47.6%
35			153		5	0.05	0.70	0.01	0.05	0.01	1.76		2.8%	39.6%	0.3%	2.9%	0.3%	100.0%	0.04	0.40	0.00	0.03	0.00	0.93	52.6%	2.0%	22.9%	0.2%	1.6%	0.2%	52.6%
36			154		5	0.06	0.80	0.00	0.01	0.01	1.93		3.3%	41.3%	0.1%	0.7%	0.3%	100.0%	0.05	0.48	0.00	0.01	0.00	1.08	55.9%	2.4%	24.8%	0.1%	0.5%	0.2%	55.9%
37			155		5	0.06	0.86	0.01	0.01	0.02	2.03		2.8%	42.2%	0.2%	0.5%	0.8%	100.0%	0.04	0.47	0.00	0.01	0.01	1.19	58.8%	1.9%	23.4%	0.2%	0.4%	0.4%	58.8%
38			156		5	0.03	0.60	0.07	0.02	0.03	1.95		1.3%	30.8%	3.4%	1.0%	1.5%	100.0%	0.02	0.26	0.05	0.02	0.02	0.90	46.3%	0.9%	13.3%	2.6%	0.8%	1.1%	46.3%
39			162		5	0.04	0.63	0.00	0.11	0.01	1.73		2.4%	36.7%	0.2%	6.3%	0.6%	100.0%	0.03	0.35	0.00	0.07	0.01	0.87	50.1%	2.0%	20.4%	0.2%	3.9%	0.3%	50.1%
40			163		5	0.06	0.73	0.00	0.02	0.00	1.82		3.5%	40.2%	0.2%	0.9%	0.2%	100.0%	0.05	0.44	0.00	0.01	0.00	1.03	56.3%	2.6%	24.4%	0.1%	0.8%	0.1%	56.3%
41			164		5	0.06	0.84	0.00	0.01	0.01	1.93		3.1%	43.4%	0.2%	0.5%	0.4%	100.0%	0.05	0.50	0.00	0.01	0.01	1.12	57.9%	2.4%	26.0%	0.2%	0.4%	0.3%	57.9%
42			165		5	0.05	0.78	0.02	0.01	0.03	2.12		2.5%	36.8%	1.0%	0.5%	1.2%	100.0%	0.04	0.40	0.02	0.01	0.01	1.17	55.2%	1.7%	18.9%	0.8%	0.4%	0.7%	55.2%
43			0	128	2	0.01	0.15	0.00	0.04	0.01	0.48		2.9%	30.2%	0.8%	8.1%	1.2%	100.0%	0.01	0.07	0.00	0.03	0.00	0.21	42.6%	2.1%	14.3%	0.6%	5.8%	0.6%	42.6%
44			2	130	2	0.02	0.14	0.01	0.03	0.01	0.58		2.8%	23.3%	1.0%	5.5%	0.9%	100.0%	0.01	0.07	0.01	0.02	0.00	0.25	42.2%	1.7%	12.4%	0.9%	4.1%	0.5%	42.2%
45			4	132	2	0.02	0.13	0.01	0.03	0.01	0.56		3.4%	23.8%	1.8%	4.7%	0.9%	100.0%	0.01	0.06	0.01	0.02	0.00	0.23	40.9%	2.5%	11.3%	1.3%	3.2%	0.5%	40.9%
46			6	134	2	0.02	0.14	0.01	0.02	0.01	0.61		2.6%	22.7%	1.8%	3.3%	0.8%	100.0%	0.01	0.07	0.01	0.01	0.00	0.29	47.1%	1.8%	10.7%	1.2%	2.3%	0.5%	47.1%
47			8	136	2	0.02	0.12	0.02	0.02	0.01	0.35		4.9%	35.2%	4.9%	4.9%	1.7%	100.0%	0.01	0.07	0.01	0.01	0.00	0.17	49.3%	3.4%	19.2%	3.2%	3.7%	0.9%	49.3%
48			10	138	4	0.03	0.31	0.03	0.07	0.01	1.05		2.9%	29.9%	2.6%	6.6%	1.0%	100.0%	0.02	0.17	0.02	0.05	0.01	0.53	50.5%	2.2%	16.6%	1.6%	5.1%	0.6%	50.5%
49			11	139	4	0.05	0.38	0.00	0.04	0.01	1.16		4.0%	32.7%	0.3%	3.4%	1.0%	100.0%	0.04	0.20	0.00	0.03	0.01	0.64	55.1%	3.1%	17.4%	0.3%	2.7%	0.5%	55.1%
50			12	140	4	0.05	0.33	0.02	0.01	0.02	1.14		4.0%	28.8%	1.8%	1.1%	1.6%	100.0%	0.04	0.17	0.01	0.01	0.01	0.52	45.6%	3.1%	14.8%	1.2%	0.7%	0.8%	45.6%
51			13	141	4	0.03	0.27	0.03	0.05	0.01	1.00		3.3%	27.4%	3.0%	4.8%	1.3%	100.0%	0.03	0.12	0.02	0.04	0.01	0.46	45.5%	2.5%	12.3%	2.0%	3.7%	0.7%	45.5%
52			18	146	4	0.03	0.37	0.01	0.10	0.02	1.08		2.9%	34.3%	1.0%	9.0%	1.4%	100.0%	0.02	0.19	0.01	0.08	0.01	0.48	44.1%	2.1%	18.0%	0.7%	7.0%	0.8%	44.1%
53			19	147	4	0.04	0.39	0.00	0.03	0.01	1.20		3.1%	32.2%	0.3%	2.3%	0.8%	100.0%	0.03	0.20	0.00	0.02	0.01	0.69	57.1%	2.2%	16.8%	0.3%	1.6%	0.7%	57.1%
54			20	148	4	0.04	0.31	0.02	0.10	0.02	0.99		3.7%	30.8%	2.2%	10.0%	1.5%	100.0%	0.03	0.15	0.01	0.07	0.01	0.50	50.1%	2.7%	15.1%	1.4%	7.0%	0.8%	50.1%
55			24	152	10	0.10	1.12	0.02	0.24	0.03	2.87		3.3%	39.1%	0.8%	8.3%	1.0%	100.0%	0.08	0.62	0.02	0.14	0.02	1.55	54.1%	2.7%	21.5%	0.5%	4.9%	0.6%	54.1%
56			25	153	10	0.12	1.32	0.01	0.11	0.03	2.81		4.4%	47.0%	0.5%	4.1%	1.2%	100.0%	0.10	0.78	0.01	0.07	0.02	1.66	59.1%	3.7%	27.8%	0.4%	2.6%	0.7%	59.1%
57			26	154	10	0.21	1.25	0.01	0.03	0.04	3.11		6.7%	40.2%	0.4%	1.0%	1.4%	100.0%	0.16	0.77	0.01	0.02	0.03	1.68	53.9%	5.0%	24.7%	0.2%	0.6%	1.0%	53.9%
58			27	155	10	0.15	1.45	0.02	0.05	0.06	3.47		4.3%	41.8%	0.5%	1.4%	1.6%	100.0%	0.11	0.79	0.02	0.04	0.03	2.16	62.2%	3.1%	22.7%	0.4%	1.0%	0.9%	62.2%
59			28	156	10	0.09	0.79	0.12	0.14	0.04	3.19		2.7%	24.8%	3.7%	4.3%	1.4%	100.0%	0.05	0.38	0.08	0.10	0.03	1.54	48.1%	1.7%	11.8%	2.5%	3.2%	0.9%	48.1%
60			34	162	10	0.10	1.24	0.02	0.21	0.03	2.84		3.6%	43.5%	0.6%	7.4%	0.9%	100.0%	0.08	0.70	0.01	0.13	0.02	1.62	56.8%	2.8%	24.5%	0.4%	4.4%	0.5%	56.8%
61			35	163	10	0.13	1.22	0.01	0.05	0.03	2.88		4.6%	42.2%	0.3%	1.8%	1.2%	100.0%	0.10	0.77	0.01	0.04	0.03	1.66	57.5%	3.3%	26.7%	0.2%	1.2%	0.9%	57.5%
62			36	164	10	0.21	1.31	0.01	0.03	0.06	3.12		6.8%	41.9%	0.4%	1.1%	1.9%	100.0%	0.15	0.78	0.01	0.02	0.03	1.87	59.9%	4.8%	25.1%	0.4%	0.7%	1.1%	59.9%
63			37	165	10	0.12	1.28	0.03	0.05	0.05	3.72		3.2%	34.5%	0.8%	1.3%	1.3%	100.0%	0.08	0.68	0.03	0.04	0.03	2.18	58.5%	2.0%	18.2%	0.7%	1.0%	0.8%	58.5%

- K–patch High CH

													max ratio out of all beams													max ratio out of all beams						
No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)							12.0%	53.8%	4.2%	12.4%	3.4%	100.0%	4cm2 PD(mW/cm2) at 10mm evaluation distance						62.0%	9.1%	28.6%	2.7%	9.1%	2.2%	62.0%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
1			0		1	0.01	0.06	0.00	0.02	0.00	0.20		3.6%	32.0%	0.5%	10.7%	1.5%	100.0%	0.00	0.03	0.00	0.02	0.00	0.09	43.7%	2.0%	16.2%	0.5%	7.6%	1.0%	43.7%
2			2		1	0.01	0.04	0.00	0.01	0.00	0.17		5.8%	24.4%	1.2%	7.0%	1.7%	100.0%	0.01	0.02	0.00	0.01	0.00	0.07	39.5%	3.5%	12.2%	0.6%	5.2%	1.2%	39.5%
3			4		1	0.01	0.04	0.00	0.01	0.00	0.18		4.9%	23.0%	1.6%	7.1%	1.1%	100.0%	0.01	0.02	0.00	0.01	0.00	0.07	40.4%	3.8%	11.5%	1.1%	5.5%	0.5%	40.4%
4			6		1	0.01	0.04	0.00	0.01	0.00	0.19		5.3%	19.5%	1.1%	4.7%	1.1%	100.0%	0.01	0.02	0.00	0.01	0.00	0.08	42.1%	3.7%	10.0%	1.1%	3.7%	1.1%	42.1%
5			8		1	0.01	0.05	0.00	0.00	0.00	0.09		9.9%	53.8%	2.2%	4.4%	3.3%	100.0%	0.01	0.03	0.00	0.00	0.00	0.04	45.1%	7.7%	28.6%	1.1%	3.3%	2.2%	45.1%
6			10		2	0.01	0.08	0.01	0.04	0.00	0.36		3.7%	22.8%	2.0%	10.4%	0.8%	100.0%	0.01	0.04	0.01	0.03	0.00	0.15	42.4%	2.2%	11.5%	1.4%	8.1%	0.6%	42.4%
7			11		2	0.03	0.13	0.00	0.02	0.01	0.44		5.6%	28.7%	0.5%	4.1%	1.1%	100.0%	0.02	0.07	0.00	0.02	0.00	0.21	47.0%	4.3%	15.6%	0.5%	3.4%	0.7%	47.0%
8			12		2	0.03	0.12	0.00	0.01	0.01	0.32		8.4%	38.4%	0.9%	2.8%	1.9%	100.0%	0.02	0.07	0.00	0.01	0.00	0.13	41.3%	7.2%	21.6%	0.6%	1.9%	1.3%	41.3%
9			13		2	0.02	0.07	0.01	0.02	0.00	0.34		4.5%	21.1%	2.7%	7.1%	1.2%	100.0%	0.01	0.04	0.01	0.02	0.00	0.17	49.3%	3.0%	10.7%	2.1%	5.6%	0.9%	49.3%
10			18		2	0.02	0.16	0.00	0.03	0.01	0.39		6.2%	42.1%	0.3%	7.9%	2.6%	100.0%	0.01	0.09	0.00	0.02	0.01	0.18	44.9%	3.1%	23.1%	0.3%	5.9%	1.5%	44.9%
11			19		2	0.02	0.09	0.00	0.02	0.01	0.40		5.0%	23.2%	0.8%	3.8%	1.5%	100.0%	0.01	0.05	0.00	0.01	0.00	0.20	50.9%	3.0%	12.3%	0.5%	2.5%	1.0%	50.9%
12			20		2	0.02	0.09	0.01	0.04	0.01	0.33		5.4%	26.3%	1.5%	12.4%	1.5%	100.0%	0.01	0.05	0.00	0.03	0.00	0.13	39.6%	3.3%	15.4%	1.2%	9.1%	0.9%	39.6%
13			24		5	0.03	0.32	0.01	0.07	0.02	0.95		3.5%	33.5%	0.5%	7.3%	1.9%	100.0%	0.02	0.19	0.00	0.04	0.01	0.45	47.3%	2.5%	19.8%	0.3%	4.6%	0.9%	47.3%
14			25		5	0.05	0.45	0.00	0.04	0.04	1.04		4.7%	43.0%	0.4%	4.0%	3.4%	100.0%	0.03	0.27	0.00	0.02	0.02	0.48	46.3%	3.3%	25.7%	0.2%	2.0%	1.9%	46.3%
15			26		5	0.10	0.28	0.01	0.01	0.02	0.94		10.6%	30.2%	0.6%	1.3%	1.8%	100.0%	0.07	0.19	0.00	0.01	0.01	0.49	52.6%	7.8%	20.2%	0.4%	1.0%	1.2%	52.6%
16			27		5	0.07	0.35	0.01	0.03	0.03	0.97		7.0%	36.3%	0.8%	3.2%	2.8%	100.0%	0.04	0.23	0.01	0.02	0.02	0.49	50.8%	4.5%	23.4%	0.6%	2.3%	1.8%	50.8%
17			28		5	0.02	0.13	0.02	0.06	0.01	0.63		3.8%	21.1%	3.0%	8.8%	1.1%	100.0%	0.02	0.07	0.02	0.04	0.00	0.30	47.5%	2.4%	10.9%	2.4%	5.8%	0.6%	47.5%
18			34		5	0.03	0.33	0.01	0.07	0.02	0.97		3.5%	34.3%	0.5%	6.8%	2.0%	100.0%	0.02	0.20	0.00	0.04	0.01	0.45	46.4%	2.4%	20.5%	0.3%	4.4%	1.0%	46.4%
19			35		5	0.10	0.32	0.00	0.02	0.02	0.90		11.2%	35.4%	0.3%	1.9%	2.6%	100.0%	0.07	0.21	0.00	0.01	0.02	0.48	53.2%	7.8%	23.8%	0.3%	1.1%	1.8%	53.2%
20			36		5	0.10	0.34	0.01	0.02	0.03	0.87		12.0%	38.6%	0.7%	2.3%	3.1%	100.0%	0.08	0.21	0.00	0.01	0.02	0.44	50.8%	9.1%	24.6%	0.5%	1.1%	2.2%	50.8%
21			37		5	0.04	0.25	0.01	0.03	0.02	0.92		4.7%	26.7%	0.9%	3.3%	1.6%	100.0%	0.03	0.15	0.01	0.02	0.01	0.48	52.6%	2.9%	16.4%	0.8%	2.4%	1.0%	52.6%
22			128		1	0.00	0.07	0.00	0.01	0.00	0.31		1.3%	21.9%	1.0%	2.6%	0.3%	100.0%	0.00	0.03	0.00	0.01	0.00	0.14	44.4%	1.0%	9.5%	0.7%	2.0%	0.3%	44.4%
23			130		1	0.01	0.08	0.00	0.01	0.00	0.37		1.3%	21.0%	1.1%	1.9%	0.5%	100.0%	0.00	0.04	0.00	0.01	0.00	0.15	39.4%	1.1%	10.2%	0.8%	1.6%	0.3%	39.4%
24			132		1	0.01	0.08	0.01	0.01	0.00	0.36		1.4%	22.1%	1.4%	2.2%	0.6%	100.0%	0.00	0.04	0.00	0.01	0.00	0.15	41.1%	1.1%	10.6%	1.1%	1.7%	0.3%	41.1%
25			134		1	0.01	0.08	0.01	0.01	0.00	0.38		1.3%	21.9%	1.3%	2.7%	0.5%	100.0%	0.00	0.04	0.00	0.01	0.00	0.15	39.7%	0.8%	10.7%	1.1%	1.9%	0.3%	39.7%
26			136		1	0.01	0.04	0.01	0.01	0.00	0.20		2.5%	18.9%	3.5%	4.5%	1.0%	100.0%	0.00	0.02	0.00	0.01	0.00	0.07	34.3%	2.0%	9.0%	2.0%	3.5%	0.5%	34.3%
27			138		2	0.01	0.18	0.01	0.03	0.00	0.58		2.2%	31.3%	2.1%	5.2%	0.7%	100.0%	0.01	0.09	0.01	0.02	0.00	0.27	47.0%	1.9%	16.2%	1.7%	3.6%	0.5%	47.0%
28			139		2	0.01	0.24	0.00	0.02	0.00	0.77		1.8%	30.9%	0.1%	2.7%	0.1%	100.0%	0.01	0.12	0.00	0.01	0.00	0.42	53.6%	1.2%	15.1%	0.1%	1.8%	0.1%	53.6%
29			140		2	0.01	0.22	0.01	0.01	0.01	0.78		1.5%	28.6%	1.0%	0.6%	0.6%	100.0%	0.01	0.10	0.01	0.00	0.00	0.37	47.4%	1.3%	13.1%	0.8%	0.5%	0.4%	47.4%
30			141		2	0.01	0.15	0.01	0.02	0.01	0.55		1.8%	27.0%	2.4%	3.1%	0.9%	100.0%	0.01	0.07	0.01	0.01	0.00	0.23	41.6%	1.3%	12.5%	1.8%	2.2%	0.5%	41.6%
31			146		2	0.01	0.17	0.01	0.03	0.00	0.63		2.2%	27.2%	1.3%	4.3%	0.6%	100.0%	0.01	0.08	0.01	0.02	0.00	0.29	46.0%	1.8%	13.2%	1.0%	3.3%	0.3%	46.0%
32	K	Patch	147		2	0.02	0.25	0.00	0.01	0.00	0.89		1.8%	28.1%	0.2%	0.6%	0.2%	100.0%	0.01	0.12	0.00	0.00	0.00	0.45	50.8%	1.2%	13.7%	0.1%	0.3%	0.1%	50.8%
33			148		2	0.01	0.21	0.02	0.02	0.01	0.78		1.8%	27.1%	2.0%	2.4%	0.8%	100.0%	0.01	0.10	0.01	0.01	0.00	0.34	43.3%	1.2%	13.1%	1.7%	1.5%	0.5%	43.3%
34			152		5	0.04	0.56	0.01	0.13	0.01	1.65		2.4%	33.9%	0.5%	7.8%	0.6%	100.0%	0.03	0.31	0.01	0.09	0.01	0.80	48.3%	2.1%	18.8%	0.4%	5.1%	0.4%	48.3%
35			153		5	0.06	0.66	0.01	0.05	0.01	1.74		3.3%	37.7%	0.3%	2.9%	0.3%	100.0%	0.04	0.39	0.01	0.03	0.01	0.91	52.3%	2.3%	22.3%	0.3%	1.5%	0.3%	52.3%
36			154		5	0.07	0.75	0.00	0.01	0.01	1.94		3.4%	38.9%	0.1%	0.6%	0.4%	100.0%	0.05	0.46	0.00	0.01	0.00	1.07	55.4%	2.5%	23.5%	0.1%	0.4%	0.2%	55.4%
37			155		5	0.06	0.85	0.01	0.01	0.01	2.00		2.8%	42.2%	0.3%	0.5%	0.6%	100.0%	0.04	0.48	0.00	0.01	0.01	1.15	57.6%	1.9%	23.8%	0.2%	0.4%	0.4%	57.6%
38			156		5	0.03	0.61	0.06	0.02	0.03	1.90		1.8%	32.1%	3.3%	0.9%	1.6%	100.0%	0.02	0.26	0.05	0.01	0.02	0.85	44.6%	1.2%	13.8%	2.7%	0.6%	1.1%	44.6%
39			162		5	0.05	0.62	0.01	0.10	0.01	1.73		2.7%	35.8%	0.3%	5.5%	0.5%	100.0%	0.04	0.35	0.00	0.06	0.01	0.87	50.4%	2.2%	20.5%	0.2%	3.6%	0.3%	50.4%
40			163		5	0.07	0.69	0.01	0.02	0.00	1.81		3.6%	38.1%	0.3%	0.9%	0.2%	100.0%	0.05	0.43	0.00	0.01	0.00	1.02	56.0%	2.6%	23.6%	0.2%	0.8%	0.1%	56.0%
41			164		5	0.06	0.79	0.00	0.01	0.01	1.91		3.4%	41.4%	0.2%	0.5%	0.4%	100.0%	0.05	0.48	0.00	0.01	0.01	1.09	57.2%	2.5%	24.9%	0.2%	0.3%	0.4%	57.2%
42			165		5	0.06	0.76	0.02	0.02	0.02	2.01		2.9%	37.7%	1.0%	0.7%	1.1%	100.0%	0.04	0.39	0.02	0.01	0.01	1.10	54.6%	1.8%	19.2%	0.8%	0.5%	0.6%	54.6%
43			0	128	2	0.02	0.15	0.00	0.04	0.01	0.54		3.0%	28.5%	0.7%	6.5%	0.9%	100.0%	0.01	0.08	0.00	0.03	0.00	0.24	43.4%	1.8%	14.2%	0.6%	4.8%	0.6%	43.4%
44			2	130	2	0.02	0.13	0.01	0.03	0.01	0.60		2.8%	21.9%	1.0%	4.3%	0.8%	100.0%	0.01	0.07	0.01	0.02	0.00	0.24	40.4%	1.8%	11.8%	0.8%	3.2%	0.5%	40.4%
45			4	132	2	0.02	0.13	0.01	0.02	0.01	0.61		2.6%	21.1%	1.5%	3.8%	0.8%	100.0%	0.01	0.06	0.01	0.02	0.00	0.25	41.2%	2.1%	10.4%	1.2%	3.0%	0.5%	41.2%
46			6	134	2	0.02	0.12	0.01	0.02	0.01	0.61		2.9%	20.3%	1.6%	2.9%	0.8%	100.0%	0.01	0.06	0.01	0.01	0.00	0.29	46.7%	2.1%	9.5%	1.1%	2.3%	0.7%	46.7%
47			8	136	2	0.02	0.10	0.01	0.02	0.00	0.31		5.1%	33.2%	4.2%	7.0%	1.3%	100.0%	0.01	0.06	0.01	0.02	0.00	0.15	46.3%	4.2%	18.8%	2.6%	4.8%	1.0%	46.3%
48			10	138	4	0.03	0.31	0.03	0.07	0.01	1.10		3.1%	27.9%	2.3%	6.3%	0.7%	100.0%	0.03	0.17	0.02	0.05	0.00	0.56	51.0%	2.5%	14.9%	1.7%	4.8%	0.4%	51.0%
49			11	139	4	0.04	0.36	0.00	0.05	0.01	1.21		3.6%	30.1%	0.3%	3.7%	0.7%	100.0%	0.04	0.19	0.00	0.03	0.01	0.66	54.5%	3.0%	15.9%	0.2%	2.5%	0.5%	54.5%
50			12	140	4	0.06	0.34	0.01	0.02	0.02	1.14		4.9%	29.3%	1.2%	1.4%	1.3%	100.0%	0.04	0.17	0.01	0.01	0.01	0.50	43.4%	3.7%	15.0%	1.0%	0.8%	0.9%	43.4%
51			13	141	4	0.03	0.30	0.03	0.04	0.01	1.10		3.1%	26.9%	2.4%	3.6%	1.3%	100.0%	0.02	0.14	0.02	0.03	0.01	0.50	45.5%	2.1%	13.1%	1.7%	2.6%	0.6%	45.5%
52			18	146	4	0.04	0.36	0.01	0.08	0.01	1.11		3.9%	32.6%	0.9%	7.4%	1.3%	100.0%	0.03	0.19	0.01	0.06	0.01	0.47	42.1%	2.5%	17.3%	0.6%	5.8%	0.7%	42.1%
53			19	147	4	0.04	0.37	0.01	0.02	0.01	1.21		3.3%	30.3%	0.4%	1.8%	1.1%	100.0%	0.03	0.19	0.00	0.02	0.01	0.70	57.7%	2.2%	15.8%	0.3%	1.2%	0.8%	57.7%
54			20	148	4	0.05	0.30	0.02	0.09	0.01	1.03		4.4%	29.4%	2.2%	8.3%	1.2%	100.0%	0.03	0.15	0.02	0.06	0.01	0.51	49.1%	3.1%	14.6%	1.8%	5.8%	0.9%	49.1%
55			24	152	10	0.11	1.16	0.02	0.25	0.04	3.15		3.5%	36.7%	0.6%	7.9%	1.3%	100.0%	0.09	0.64	0.02	0.16	0.02	1.69	53.8%	2.8%	20.4%	0.5%	5.1%	0.6%	53.8%
56			25	153	10	0.13	1.26	0.01	0.10	0.05	3.01		4.4%	41.9%	0.4%	3.3%	1.6%	100.0%	0.11	0.75	0.01	0.06	0.03	1.74	57.9%	3.7%	25.0%	0.3%	2.1%	0.8%	57.9%
57			26	154	10	0.19	1.09	0.01	0.03	0.04	3.08		6.2%	35.4%	0.3%	0.9%	1.2%	100.0%	0.15	0.67	0.01	0.02	0.03	1.69	54.9%	4.8%	21.7%	0.2%	0.6%	0.8%	54.9%
58			27	155	10	0.18	1.46	0.01	0.04	0.06	3.57		5.0%	41.0%	0.4%	1.2%	1.7%	100.0%	0.13	0.81	0.01	0.03	0.04	2.21	62.0%	3.7%	22.7%	0.3%	0.9%	1.1%	62.0%
59			28	156	10	0.09	0.83	0.10	0.11	0.05	3.35		2.6%	24.8%	3.1%	3.4%	1.4%	100.0%	0.06	0.39	0.08	0.07	0.03	1.65	49.3%	1.7%	11.6%	2.4%	2.2%	0.9%	49.3%
60			34	162	10	0.12	1.25	0.02	0.21	0.04	3.14		3.7%	39.7%	0.5%	6.7%	1.3%	100.0%	0.10	0.71	0.01	0.14	0.02	1.75	55.7%	3.1%	22.5%	0.3%	4.4%	0.6%	55.7%
61			35	163	10	0.15	1.07	0.01	0.04	0.03	2.88		5.1%	37.3%	0.3%	1.5%	1.0%	100.0%	0.12	0.67	0.01	0.03	0.02	1.62	56.5%	4.0%	23.4%	0.2%	0.9%	0.7%	56.5%
62			36	164	10	0.23	1.17	0.01	0.03	0.06	3.08		7.4%	38.1%	0.4%	1.1%	1.9%	100.0%	0.17	0.69	0.01	0.02	0.04	1.86	60.3%	5.5%	22.4%	0.3%	0.7%	1.4%	60.3%
63			37	165	10	0.13	1.27	0.03	0.06	0.05	3.78		3.5%	33.7%	0.8%	1.5%	1.3%	100.0%	0.09	0.68	0.03	0.04	0.03	2.26	59.8%	2.4%	18.0%	0.7%	1.1%	0.7%	59.8%

Table 5. PD of Ant K – patch antenna (39GHz – n260)

[Folder Open Status]

- K–patch Low CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
max ratio out of all beams													6.9%	4.9%	2.2%	19.2%	2.2%	100.0%
1			0		1	0.00	0.00	0.00	0.01	0.00	0.16		1.9%	1.3%	0.6%	7.5%	1.3%	100.0%
2			2		1	0.00	0.00	0.00	0.01	0.00	0.19		1.6%	1.6%	0.5%	6.7%	0.5%	100.0%
3			4		1	0.00	0.00	0.00	0.02	0.00	0.22		1.8%	1.8%	0.5%	6.8%	0.5%	100.0%
4			6		1	0.00	0.00	0.00	0.01	0.00	0.17		2.4%	1.8%	0.6%	4.1%	0.6%	100.0%
5			8		1	0.00	0.00	0.00	0.01	0.00	0.15		2.7%	1.4%	0.0%	4.8%	0.7%	100.0%
6			10		2	0.01	0.01	0.00	0.03	0.00	0.41		1.7%	1.7%	0.5%	6.6%	0.5%	100.0%
7			11		2	0.01	0.01	0.00	0.02	0.00	0.49		2.3%	2.3%	0.2%	4.5%	0.4%	100.0%
8			12		2	0.01	0.01	0.00	0.03	0.01	0.29		1.7%	2.1%	0.3%	9.4%	1.7%	100.0%
9			13		2	0.01	0.01	0.00	0.05	0.00	0.36		1.9%	1.4%	0.6%	13.9%	0.8%	100.0%
10			18		2	0.01	0.01	0.00	0.02	0.00	0.39		3.3%	1.5%	0.5%	6.2%	0.5%	100.0%
11			19		2	0.01	0.01	0.00	0.00	0.00	0.40		2.3%	2.8%	0.3%	1.0%	0.3%	100.0%
12			20		2	0.01	0.01	0.00	0.04	0.01	0.30		2.0%	1.7%	0.3%	12.5%	2.0%	100.0%
13			24		5	0.04	0.02	0.01	0.16	0.01	1.10		3.5%	1.6%	0.7%	14.4%	0.6%	100.0%
14			25		5	0.03	0.04	0.00	0.02	0.01	1.04		3.0%	4.2%	0.2%	2.1%	0.5%	100.0%
15			26		5	0.03	0.05	0.00	0.01	0.01	0.97		3.2%	4.9%	0.3%	1.3%	0.6%	100.0%
16			27		5	0.02	0.03	0.00	0.03	0.01	0.63		2.7%	4.3%	0.3%	5.3%	1.0%	100.0%
17			28		5	0.04	0.01	0.00	0.05	0.01	0.66		5.9%	1.7%	0.6%	8.1%	1.2%	100.0%
18			34		5	0.05	0.02	0.01	0.13	0.01	1.17		4.1%	2.0%	0.4%	10.9%	0.9%	100.0%
19			35		5	0.03	0.05	0.00	0.01	0.01	0.96		2.9%	4.7%	0.4%	1.2%	0.6%	100.0%
20			36		5	0.03	0.04	0.00	0.01	0.00	0.90		3.8%	4.5%	0.1%	0.7%	0.2%	100.0%
21			37		5	0.02	0.01	0.00	0.06	0.01	0.50		3.8%	2.6%	0.4%	12.8%	2.2%	100.0%
22			128		1	0.00	0.00	0.00	0.01	0.00	0.15		2.1%	2.7%	0.7%	6.8%	0.7%	100.0%
23			130		1	0.00	0.00	0.00	0.01	0.00	0.14		2.1%	1.4%	0.7%	3.5%	0.7%	100.0%
24			132		1	0.01	0.00	0.00	0.01	0.00	0.14		3.5%	2.1%	0.7%	4.2%	1.4%	100.0%
25			134		1	0.00	0.00	0.00	0.01	0.00	0.13		2.4%	1.6%	0.8%	3.9%	0.8%	100.0%
26			136		1	0.00	0.00	0.00	0.00	0.00	0.11		1.8%	1.8%	0.9%	2.6%	0.9%	100.0%
27			138		2	0.01	0.01	0.00	0.01	0.00	0.19		5.3%	3.2%	1.6%	7.4%	2.1%	100.0%
28			139		2	0.01	0.01	0.00	0.01	0.00	0.37		1.9%	2.1%	0.3%	3.8%	0.5%	100.0%
29			140		2	0.01	0.01	0.00	0.01	0.00	0.33		2.1%	1.8%	0.3%	3.0%	0.6%	100.0%
30			141		2	0.01	0.00	0.00	0.02	0.00	0.20		4.0%	2.0%	1.0%	7.5%	2.0%	100.0%
31			146		2	0.01	0.01	0.00	0.01	0.00	0.23		3.0%	2.1%	1.3%	3.0%	0.9%	100.0%
32	K	Patch	147		2	0.01	0.01	0.00	0.02	0.00	0.39		1.8%	2.0%	0.3%	4.3%	0.5%	100.0%
33			148		2	0.01	0.01	0.00	0.01	0.00	0.20		4.0%	2.5%	1.0%	6.5%	1.5%	100.0%
34			152		5	0.02	0.01	0.01	0.07	0.01	0.37		5.9%	2.4%	2.2%	19.2%	2.2%	100.0%
35			153		5	0.01	0.01	0.01	0.02	0.00	0.49		2.8%	2.8%	1.0%	3.0%	0.6%	100.0%
36			154		5	0.03	0.03	0.00	0.02	0.01	0.92		3.7%	3.3%	0.2%	2.3%	0.8%	100.0%
37			155		5	0.02	0.03	0.00	0.05	0.01	0.74		3.0%	3.4%	0.1%	6.5%	0.7%	100.0%
38			156		5	0.04	0.02	0.00	0.04	0.01	0.55		6.9%	3.1%	0.7%	7.4%	1.6%	100.0%
39			162		5	0.02	0.01	0.01	0.05	0.01	0.40		4.5%	3.0%	1.8%	11.8%	1.8%	100.0%
40			163		5	0.02	0.02	0.00	0.02	0.00	0.65		3.1%	3.4%	0.5%	2.3%	0.6%	100.0%
41			164		5	0.03	0.03	0.00	0.04	0.01	0.93		3.6%	2.7%	0.2%	3.9%	0.8%	100.0%
42			165		5	0.02	0.02	0.00	0.04	0.01	0.55		4.2%	3.5%	0.2%	7.3%	1.7%	100.0%
43			0	128	2	0.01	0.01	0.00	0.02	0.00	0.35		1.4%	1.7%	0.6%	6.5%	1.1%	100.0%
44			2	130	2	0.01	0.01	0.00	0.02	0.00	0.35		1.7%	2.3%	0.6%	6.5%	1.1%	100.0%
45			4	132	2	0.01	0.01	0.00	0.02	0.00	0.40		2.3%	2.0%	0.5%	5.8%	0.8%	100.0%
46			6	134	2	0.01	0.01	0.00	0.02	0.00	0.33		2.5%	1.8%	0.6%	4.9%	0.9%	100.0%
47			8	136	2	0.01	0.01	0.00	0.01	0.00	0.32		1.6%	1.6%	0.6%	3.5%	0.6%	100.0%
48			10	138	4	0.02	0.01	0.01	0.06	0.01	0.56		3.2%	2.0%	1.3%	9.9%	1.1%	100.0%
49			11	139	4	0.02	0.02	0.00	0.04	0.01	0.85		2.2%	2.8%	0.2%	4.9%	0.7%	100.0%
50			12	140	4	0.01	0.02	0.00	0.05	0.01	0.68		2.1%	2.2%	0.3%	6.8%	1.2%	100.0%
51			13	141	4	0.02	0.02	0.01	0.07	0.01	0.65		2.8%	2.3%	0.9%	11.0%	1.2%	100.0%
52			18	146	4	0.02	0.02	0.01	0.04	0.00	0.71		2.7%	2.1%	0.9%	6.0%	0.6%	100.0%
53			19	147	4	0.02	0.02	0.00	0.03	0.01	0.78		2.4%	2.4%	0.1%	4.1%	0.6%	100.0%
54			20	148	4	0.01	0.01	0.01	0.05	0.01	0.43		2.8%	3.3%	1.2%	12.1%	2.1%	100.0%
55			24	152	10	0.06	0.05	0.03	0.29	0.02	1.71		3.6%	2.8%	1.6%	17.1%	1.2%	100.0%
56			25	153	10	0.07	0.08	0.01	0.05	0.01	1.78		4.0%	4.4%	0.4%	3.0%	0.6%	100.0%
57			26	154	10	0.08	0.09	0.01	0.04	0.02	1.99		3.9%	4.5%	0.4%	2.2%	1.2%	100.0%
58			27	155	10	0.05	0.07	0.00	0.09	0.02	1.75		2.6%	4.0%	0.2%	5.3%	1.1%	100.0%
59			28	156	10	0.07	0.05	0.01	0.14	0.02	1.76		4.0%	3.0%	0.7%	7.9%	1.2%	100.0%
60			34	162	10	0.09	0.05	0.02	0.22	0.02	1.81		4.8%	2.9%	1.0%	12.3%	1.0%	100.0%
61			35	163	10	0.07	0.08	0.01	0.04	0.02	1.74		4.1%	4.6%	0.6%	2.0%	0.9%	100.0%
62			36	164	10	0.08	0.08	0.00	0.06	0.02	1.93		4.0%	3.9%	0.2%	3.0%	0.8%	100.0%
63			37	165	10	0.05	0.06	0.00	0.15	0.03	1.49		3.5%	3.8%	0.3%	9.8%	1.7%	100.0%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
max ratio out of all beams							60.4%	4.4%	3.6%	1.9%	13.0%	1.2%	60.4%
1	0.00	0.00	0.00	0.01	0.00	0.06	35.2%	1.3%	0.6%	0.6%	5.0%	0.6%	35.2%
2	0.00	0.00	0.00	0.01	0.00	0.09	44.6%	1.0%	1.0%	0.5%	3.1%	0.5%	44.6%
3	0.00	0.00	0.00	0.01	0.00	0.09	41.4%	1.4%	1.4%	0.5%	4.5%	0.0%	41.4%
4	0.00	0.00	0.00	0.01	0.00	0.08	44.7%	1.8%	1.2%	0.6%	3.5%	0.0%	44.7%
5	0.00	0.00	0.00	0.01	0.00	0.06	42.2%	2.0%	1.4%	0.0%	4.1%	0.0%	42.2%
6	0.01	0.01	0.00	0.02	0.00	0.20	49.4%	1.2%	1.2%	0.5%	4.2%	0.2%	49.4%
7	0.01	0.01	0.00	0.01	0.00	0.26	54.0%	1.6%	1.6%	0.2%	2.5%	0.2%	54.0%
8	0.00	0.01	0.00	0.02	0.00	0.14	47.0%	1.0%	1.7%	0.3%	5.9%	0.7%	47.0%
9	0.01	0.00	0.00	0.03	0.00	0.15	42.4%	1.7%	0.8%	0.6%	7.2%	0.6%	42.4%
10	0.01	0.00	0.00	0.02	0.00	0.18	45.6%	2.6%	1.0%	0.3%	4.4%	0.3%	45.6%
11	0.01	0.01	0.00	0.00	0.00	0.22	55.2%	1.8%	2.0%	0.3%	0.8%	0.3%	55.2%
12	0.00	0.00	0.00	0.03	0.00	0.13	43.9%	1.4%	1.4%	0.3%	8.4%	1.0%	43.9%
13	0.03	0.01	0.01	0.10	0.00	0.62	56.6%	2.5%	1.3%	0.6%	8.9%	0.3%	56.6%
14	0.02	0.04	0.00	0.02	0.00	0.63	60.0%	2.2%	3.4%	0.2%	1.4%	0.2%	60.0%
15	0.02	0.04	0.00	0.01	0.00	0.56	57.5%	2.5%	3.6%	0.2%	0.9%	0.3%	57.5%
16	0.01	0.02	0.00	0.02	0.00	0.35	55.5%	2.1%	3.2%	0.2%	3.4%	0.5%	55.5%
17	0.03	0.01	0.00	0.03	0.00	0.36	55.0%	4.4%	1.4%	0.6%	4.9%	0.6%	55.0%
18	0.03	0.02	0.00	0.07	0.01	0.68	58.0%	2.8%	1.5%	0.3%	6.2%	0.4%	58.0%
19	0.02	0.04	0.00	0.01	0.00	0.56	58.3%	2.1%	3.6%	0.3%	0.9%	0.3%	58.3%
20	0.03	0.03	0.00	0.00	0.00	0.54	59.5%	2.9%	3.4%	0.1%	0.3%	0.2%	59.5%
21	0.01	0.01	0.00	0.04	0.01	0.26	51.1%	2.8%	2.2%	0.4%	8.4%	1.2%	51.1%
22	0.00	0.00	0.00	0.01	0.00	0.06	41.1%	1.4%	2.1%	0.7%	4.8%	0.7%	41.1%
23	0.00	0.00	0.00	0.00	0.00	0.07	49.7%	1.4%	0.7%	0.7%	2.8%	0.7%	49.7%
24	0.00	0.00	0.00	0.00	0.00	0.07	46.5%	2.1%	1.4%	0.7%	2.1%	0.7%	46.5%
25	0.00	0.00	0.00	0.00	0.00	0.06	48.0%	1.6%	0.8%	0.8%	2.4%	0.8%	48.0%
26	0.00	0.00	0.00	0.00	0.00	0.05	46.5%	1.8%	0.9%	0.9%	1.8%	0.0%	46.5%
27	0.01	0.00	0.00	0.01	0.00	0.07	36.2%	2.7%	2.1%	1.1%	4.8%	1.1%	36.2%
28	0.01	0.01	0.00	0.01	0.00	0.20	52.5%	1.3%	1.3%	0.3%	2.4%	0.3%	52.5%
29	0.01	0.00	0.00	0.01	0.00	0.19	57.4%	1.8%	1.2%	0.3%	1.8%	0.3%	57.4%
30	0.01	0.00	0.00	0.01	0.00	0.08	42.0%	2.5%	1.5%	1.0%	6.0%	1.0%	42.0%
31	0.01	0.00	0.00	0.01	0.00	0.11	46.4%	2.1%	1.3%	0.9%	2.6%	0.4%	46.4%
32	0.01	0.01	0.00	0.01	0.00	0.20	51.4%	1.3%	1.3%	0.0%	2.8%	0.3%	51.4%
33	0.01	0.00	0.00	0.01	0.00	0.10	50.3%	2.5%	2.0%	0.5%	4.0%	0.5%	50.3%
34	0.02	0.01	0.01	0.05	0.00	0.19	50.3%	4.1%	1.9%	1.9%	13.0%	0.8%	50.3%
35	0.01	0.01	0.00	0.01	0.00	0.28	56.5%	2.4%	2.2%	0.8%	2.4%	0.2%	56.5%
36	0.02	0.02	0.00	0.02	0.00	0.55	59.7%	2.5%	2.3%	0.2%	1.7%	0.4%	59.7%
37	0.02	0.02	0.00	0.03	0.00	0.44	58.9%	2.6%	2.6%	0.0%	4.3%	0.4%	58.9%
38	0.02	0.01	0.00	0.02	0.01	0.30	53.7%	4.0%	2.5%	0.5%	4.0%	0.9%	53.7%
39	0.01	0.01	0.01	0.03	0.00	0.19	48.2%	3.0%	1.8%	1.8%	6.5%	0.8%	48.2%
40	0.02	0.02	0.00	0.01	0.00	0.37	57.4%	2.3%	2.6%	0.5%	1.7%	0.5%	57.4%
41	0.03	0.02	0.00	0.03	0.00	0.54	57.7%	2.7%	1.7%	0.1%	2.8%	0.4%	57.7%
42	0.02	0.02	0.00	0.03	0.00	0.33	59.6%	2.8%	2.8%	0.2%	4.6%	0.7%	59.6%
43	0.00	0.00	0.00	0.02	0.00	0.13	36.6%	1.1%	1.1%	0.6%	5.1%	0.6%	36.6%
44	0.00	0.01	0.00	0.02	0.00	0.17	46.9%	1.1%	1.4%	0.6%	4.8%	0.6%	46.9%
45	0.01	0.01	0.00	0.02	0.00	0.16	40.7%	1.5%	1.5%	0.5%	4.5%	0.5%	40.7%
46	0.01	0.00	0.00	0.01	0.00	0.14	42.5%	1.8%	1.2%	0.6%	3.7%	0.3%	42.5%
47	0.00	0.00	0.00	0.01	0.00	0.11	34.3%	1.3%	1.3%	0.6%	2.2%	0.3%	34.3%
48	0.01	0.01	0.01	0.03	0.00	0.29	51.5%	1.8%	1.6%	0.9%	5.9%	0.5%	51.5%
49	0.01	0.02	0.00	0.03	0.00	0.44	51.6%	1.5%	1.8%	0.2%	3.6%	0.4%	51.6%
50	0.01	0.01	0.00	0.03	0.00	0.39	57.6%	1.6%	1.5%	0.3%	4.0%	0.6%	57.6%
51	0.01	0.01	0.01	0.05	0.00	0.22	33.8%	1.5%	1.7%	0.8%	7.7%	0.5%	33.8%
52	0.01	0.01	0.01	0.03	0.00	0.31	44.3%	2.0%	1.6%	0.7%	4.3%	0.3%	44.3%
53	0.01	0.01	0.00	0.02	0.00	0.42	53.5%	1.7%	1.8%	0.1%	3.0%	0.4%	53.5%
54	0.01	0.01	0.00	0.03	0.00	0.21	49.9%	2.3%	2.6%	0.9%	7.5%	0.9%	49.9%
55	0.04	0.04	0.02	0.18	0.01	1.00	58.3%	2.5%	2.2%	1.3%	10.6%	0.5%	58.3%
56	0.05	0.06	0.01	0.03	0.01	1.08	60.4%	2.9%	3.5%	0.4%	1.9%	0.3%	60.4%
57	0.05	0.07	0.01	0.03	0.01	1.19	59.6%	2.7%	3.3%	0.3%	1.6%	0.6%	59.6%
58	0.04	0.05	0.00	0.06	0.01	1.03	58.7%	2.1%	3.0%	0.1%	3.3%	0.5%	58.7%
59	0.06	0.04	0.01	0.09	0.01	0.86	49.0%	3.1%	2.5%	0.5%	4.9%	0.7%	49.0%
60	0.06	0.04	0.02	0.12	0.01	1.07	59.0%	3.2%	2.4%	0.9%	6.7%	0.6%	59.0%
61	0.05	0.06	0.01	0.02	0.01	1.04	59.7%	2.9%	3.6%	0.5%	1.4%	0.5%	59.7%
62	0.06	0.06	0.00	0.04	0.01	1.13	58.7%	3.1%	2.9%	0.2%	2.1%	0.4%	58.7%
63	0.03	0.05	0.00	0.09	0.01	0.80	53.9%	2.3%	3.1%	0.2%	6.1%	0.8%	53.9%

- K–patch Mid CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
max ratio out of all beams													5.6%	5.5%	2.6%	19.3%	2.8%	100.0%
1			0		1	0.00	0.00	0.00	0.01	0.00	0.15		1.9%	1.3%	0.6%	6.5%	0.6%	100.0%
2			2		1	0.00	0.00	0.00	0.02	0.00	0.16		1.9%	1.9%	0.6%	9.9%	1.2%	100.0%
3			4		1	0.00	0.00	0.00	0.02	0.00	0.19		1.6%	1.6%	0.5%	8.6%	0.5%	100.0%
4			6		1	0.00	0.00	0.00	0.01	0.00	0.15		2.7%	2.1%	0.7%	6.2%	0.7%	100.0%
5			8		1	0.00	0.00	0.00	0.01	0.00	0.16		1.8%	1.2%	0.6%	4.9%	0.0%	100.0%
6			10		2	0.01	0.01	0.00	0.03	0.00	0.38		2.1%	1.8%	0.8%	9.0%	0.3%	100.0%
7			11		2	0.01	0.01	0.00	0.03	0.00	0.37		2.7%	3.0%	0.5%	7.7%	0.5%	100.0%
8			12		2	0.01	0.01	0.00	0.03	0.01	0.24		2.9%	2.1%	0.4%	12.0%	2.1%	100.0%
9			13		2	0.01	0.00	0.00	0.06	0.00	0.38		2.4%	1.1%	0.8%	15.5%	0.8%	100.0%
10			18		2	0.01	0.01	0.00	0.03	0.00	0.36		2.2%	1.7%	0.6%	7.4%	0.3%	100.0%
11			19		2	0.01	0.01	0.00	0.01	0.00	0.27		3.7%	3.7%	0.0%	4.8%	0.7%	100.0%
12			20		2	0.01	0.01	0.00	0.03	0.01	0.29		2.4%	1.7%	0.7%	11.9%	1.7%	100.0%
13			24		5	0.04	0.01	0.01	0.17	0.01	0.98		3.6%	1.4%	1.0%	17.4%	0.5%	100.0%
14			25		5	0.03	0.04	0.00	0.02	0.01	0.86		3.8%	5.1%	0.1%	2.0%	0.8%	100.0%
15			26		5	0.03	0.04	0.00	0.02	0.00	0.63		4.1%	5.5%	0.5%	2.5%	0.5%	100.0%
16			27		5	0.02	0.01	0.00	0.07	0.01	0.36		4.1%	3.6%	0.6%	19.3%	2.8%	100.0%
17			28		5	0.04	0.02	0.00	0.05	0.01	0.80		4.5%	2.6%	0.5%	6.5%	1.2%	100.0%
18			34		5	0.03	0.02	0.01	0.11	0.01	1.00		3.3%	2.4%	0.8%	10.7%	0.6%	100.0%
19			35		5	0.03	0.04	0.00	0.01	0.01	0.78		3.6%	5.5%	0.4%	1.4%	0.8%	100.0%
20			36		5	0.01	0.02	0.00	0.05	0.01	0.42		3.1%	5.0%	0.5%	11.3%	1.7%	100.0%
21			37		5	0.04	0.02	0.00	0.05	0.01	0.65		5.6%	2.9%	0.2%	7.3%	1.2%	100.0%
22			128		1	0.00	0.00	0.00	0.01	0.00	0.15		2.0%	2.0%	0.7%	6.0%	1.3%	100.0%
23			130		1	0.00	0.00	0.00	0.01	0.00	0.16		1.9%	1.3%	0.6%	3.8%	1.3%	100.0%
24			132		1	0.00	0.00	0.00	0.01	0.00	0.15		1.9%	1.3%	1.3%	3.9%	0.6%	100.0%
25			134		1	0.00	0.00	0.00	0.00	0.00	0.15		2.8%	1.4%	0.7%	2.8%	0.7%	100.0%
26			136		1	0.00	0.00	0.00	0.00	0.00	0.13		1.6%	1.6%	0.8%	3.1%	0.0%	100.0%
27			138		2	0.01	0.00	0.00	0.02	0.00	0.24		3.0%	1.3%	1.3%	7.2%	1.3%	100.0%
28			139		2	0.01	0.01	0.00	0.01	0.00	0.36		2.2%	1.7%	0.3%	3.4%	0.8%	100.0%
29			140		2	0.01	0.01	0.00	0.01	0.00	0.34		1.8%	1.8%	0.6%	2.9%	0.6%	100.0%
30			141		2	0.01	0.00	0.00	0.02	0.01	0.25		2.4%	1.6%	0.8%	7.7%	2.0%	100.0%
31			146		2	0.01	0.00	0.00	0.01	0.00	0.28		2.5%	1.4%	0.7%	2.1%	0.7%	100.0%
32	K	Patch	147		2	0.01	0.01	0.00	0.01	0.00	0.37		2.2%	1.6%	0.3%	3.3%	1.1%	100.0%
33			148		2	0.00	0.00	0.00	0.01	0.00	0.24		1.7%	1.7%	0.8%	5.0%	0.8%	100.0%
34			152		5	0.02	0.01	0.01	0.08	0.01	0.47		4.7%	1.5%	2.6%	17.6%	1.3%	100.0%
35			153		5	0.02	0.01	0.00	0.02	0.00	0.59		3.2%	2.2%	0.7%	3.6%	0.5%	100.0%
36			154		5	0.03	0.02	0.00	0.02	0.01	0.86		3.3%	2.5%	0.5%	2.5%	0.6%	100.0%
37			155		5	0.02	0.01	0.00	0.03	0.01	0.75		2.4%	1.9%	0.3%	4.4%	1.3%	100.0%
38			156		5	0.02	0.02	0.00	0.03	0.01	0.63		3.5%	3.2%	0.6%	4.3%	1.4%	100.0%
39			162		5	0.02	0.01	0.01	0.05	0.01	0.54		3.4%	2.2%	1.5%	9.1%	0.9%	100.0%
40			163		5	0.02	0.01	0.00	0.01	0.00	0.72		3.3%	1.9%	0.4%	1.7%	0.6%	100.0%
41			164		5	0.03	0.02	0.01	0.03	0.01	0.81		3.1%	2.1%	0.7%	3.2%	0.6%	100.0%
42			165		5	0.02	0.02	0.00	0.04	0.02	0.61		2.5%	2.8%	0.3%	5.9%	2.6%	100.0%
43			0	128	2	0.01	0.01	0.00	0.02	0.01	0.35		2.3%	2.3%	0.6%	6.6%	1.4%	100.0%
44			2	130	2	0.01	0.01	0.00	0.03	0.01	0.36		1.7%	1.4%	0.6%	8.0%	1.7%	100.0%
45			4	132	2	0.01	0.01	0.00	0.03	0.00	0.38		2.1%	1.3%	0.5%	6.6%	0.8%	100.0%
46			6	134	2	0.01	0.01	0.00	0.01	0.00	0.33		2.4%	2.8%	0.6%	4.0%	0.9%	100.0%
47			8	136	2	0.01	0.01	0.00	0.01	0.00	0.33		1.5%	1.8%	0.6%	4.3%	0.3%	100.0%
48			10	138	4	0.02	0.01	0.01	0.06	0.01	0.58		2.8%	2.1%	1.4%	10.7%	0.9%	100.0%
49			11	139	4	0.02	0.03	0.00	0.05	0.01	0.75		2.3%	3.6%	0.4%	6.2%	0.8%	100.0%
50			12	140	4	0.02	0.02	0.00	0.05	0.01	0.66		2.4%	2.3%	0.3%	7.3%	1.4%	100.0%
51			13	141	4	0.02	0.01	0.01	0.09	0.01	0.69		2.5%	1.7%	0.9%	13.4%	1.6%	100.0%
52			18	146	4	0.02	0.02	0.01	0.04	0.00	0.68		2.5%	2.6%	0.7%	5.9%	0.6%	100.0%
53			19	147	4	0.02	0.02	0.00	0.03	0.01	0.68		2.5%	3.4%	0.1%	5.0%	1.0%	100.0%
54			20	148	4	0.01	0.01	0.00	0.05	0.01	0.48		2.7%	2.7%	0.8%	11.1%	1.5%	100.0%
55			24	152	10	0.06	0.04	0.03	0.31	0.01	1.67		3.6%	2.1%	1.6%	18.6%	0.7%	100.0%
56			25	153	10	0.07	0.06	0.01	0.05	0.01	1.59		4.5%	4.0%	0.4%	3.3%	0.7%	100.0%
57			26	154	10	0.07	0.06	0.01	0.05	0.01	1.54		4.2%	4.2%	0.7%	3.1%	0.8%	100.0%
58			27	155	10	0.05	0.05	0.01	0.14	0.03	1.61		3.2%	2.9%	0.3%	8.4%	1.7%	100.0%
59			28	156	10	0.08	0.07	0.01	0.11	0.03	1.78		4.4%	4.0%	0.6%	6.0%	1.9%	100.0%
60			34	162	10	0.07	0.06	0.02	0.19	0.01	1.71		3.8%	3.4%	1.2%	10.9%	0.8%	100.0%
61			35	163	10	0.06	0.07	0.01	0.03	0.02	1.69		3.7%	4.1%	0.4%	2.0%	0.9%	100.0%
62			36	164	10	0.05	0.05	0.01	0.09	0.02	1.56		3.3%	3.4%	0.7%	6.0%	1.2%	100.0%
63			37	165	10	0.07	0.07	0.00	0.12	0.04	1.60		4.5%	4.1%	0.2%	7.6%	2.2%	100.0%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
max ratio out of all beams							70.5%	4.2%	4.6%	2.1%	11.8%	1.4%	70.5%
1	0.00	0.00	0.00	0.01	0.00	0.06	40.9%	1.3%	1.3%	0.6%	5.2%	0.6%	40.9%
2	0.00	0.00	0.00	0.01	0.00	0.07	40.1%	1.2%	1.2%	0.6%	4.3%	0.6%	40.1%
3	0.00	0.00	0.00	0.01	0.00	0.08	43.2%	1.6%	1.6%	0.5%	6.5%	0.0%	43.2%
4	0.00	0.00	0.00	0.01	0.00	0.07	45.2%	2.1%	1.4%	0.7%	3.4%	0.0%	45.2%
5	0.00	0.00	0.00	0.01	0.00	0.07	40.2%	1.2%	0.6%	0.6%	3.7%	0.0%	40.2%
6	0.01	0.01	0.00	0.02	0.00	0.18	48.5%	1.8%	1.6%	0.5%	4.2%	0.3%	48.5%
7	0.01	0.01	0.00	0.02	0.00	0.22	59.2%	2.5%	2.5%	0.3%	4.1%	0.3%	59.2%
8	0.01	0.00	0.00	0.02	0.00	0.14	58.1%	2.1%	1.7%	0.0%	9.1%	0.8%	58.1%
9	0.01	0.00	0.00	0.04	0.00	0.15	40.5%	1.6%	0.8%	0.5%	9.3%	0.3%	40.5%
10	0.01	0.01	0.00	0.02	0.00	0.18	48.5%	1.9%	1.4%	0.6%	4.7%	0.3%	48.5%
11	0.01	0.01	0.00	0.01	0.00	0.16	57.6%	3.0%	3.0%	0.0%	2.6%	0.4%	57.6%
12	0.01	0.00	0.00	0.03	0.00	0.14	50.0%	1.7%	1.4%	0.3%	9.1%	0.7%	50.0%
13	0.03	0.01	0.01	0.10	0.00	0.64	65.3%	2.8%	1.1%	0.9%	9.9%	0.2%	65.3%
14	0.03	0.04	0.00	0.01	0.00	0.55	63.6%	3.1%	4.3%	0.1%	1.3%	0.3%	63.6%
15	0.02	0.03	0.00	0.01	0.00	0.38	59.4%	3.3%	4.3%	0.5%	1.7%	0.3%	59.4%
16	0.01	0.01	0.00	0.04	0.01	0.20	53.7%	3.3%	3.0%	0.3%	11.8%	1.4%	53.7%
17	0.03	0.02	0.00	0.04	0.00	0.51	63.9%	3.6%	2.1%	0.4%	4.6%	0.5%	63.9%
18	0.02	0.02	0.01	0.06	0.00	0.66	65.7%	2.4%	1.9%	0.6%	5.7%	0.2%	65.7%
19	0.02	0.04	0.00	0.01	0.00	0.48	61.7%	3.1%	4.6%	0.3%	1.1%	0.4%	61.7%
20	0.01	0.02	0.00	0.03	0.00	0.23	54.4%	2.4%	4.1%	0.5%	6.7%	1.0%	54.4%
21	0.03	0.02	0.00	0.03	0.00	0.40	61.1%	4.2%	2.3%	0.2%	4.8%	0.6%	61.1%
22	0.00	0.00	0.00	0.01	0.00	0.07	43.6%	2.0%	1.3%	0.7%	4.0%	0.7%	43.6%
23	0.00	0.00	0.00	0.00	0.00	0.07	41.7%	1.3%	0.6%	0.6%	2.6%	0.6%	41.7%
24	0.00	0.00	0.00	0.00	0.00	0.07	48.1%	1.3%	0.6%	0.6%	2.6%	0.6%	48.1%
25	0.00	0.00	0.00	0.00	0.00	0.06	43.4%	1.4%	0.7%	0.7%	2.1%	0.0%	43.4%
26	0.00	0.00	0.00	0.00	0.00	0.07	51.6%	0.8%	1.6%	0.8%	2.3%	0.0%	51.6%
27	0.01	0.00	0.00	0.01	0.00	0.09	37.4%	2.1%	0.9%	1.3%	5.1%	0.4%	37.4%
28	0.01	0.00	0.00	0.01	0.00	0.19	52.9%	1.7%	1.1%	0.3%	2.2%	0.3%	52.9%
29	0.00	0.01	0.00	0.01	0.00	0.19	56.0%	1.2%	1.5%	0.3%	1.8%	0.3%	56.0%
30	0.01	0.00	0.00	0.01	0.00	0.12	49.4%	2.0%	1.2%	0.8%	5.7%	0.8%	49.4%
31	0.01	0.00	0.00	0.01	0.00	0.14	50.5%	1.8%	1.4%	0.7%	1.8%	0.4%	50.5%
32	0.01	0.00	0.00	0.01	0.00	0.19	51.1%	1.6%	1.1%	0.3%	2.4%	0.5%	51.1%
33	0.00	0.00	0.00	0.01	0.00	0.12	50.0%	1.3%	1.7%	0.8%	3.8%	0.4%	50.0%
34	0.02	0.01	0.01	0.05	0.00	0.27	57.1%	3.4%	1.3%	2.1%	9.9%	0.6%	57.1%
35	0.01	0.01	0.00	0.01	0.00	0.34	57.9%	2.4%	1.9%	0.5%	2.0%	0.2%	57.9%
36	0.02	0.02	0.00	0.02	0.00	0.48	56.0%	2.7%	2.0%	0.4%	1.8%	0.5%	56.0%
37	0.01	0.01	0.00	0.02	0.01	0.49	65.3%	1.9%	1.6%	0.1%	2.4%	0.7%	65.3%
38	0.02	0.02	0.00	0.02	0.00	0.36	57.3%	2.9%	2.7%	0.5%	3.3%	0.6%	57.3%
39	0.01	0.01	0.01	0.02	0.00	0.31	58.0%	2.4%	1.7%	1.3%	3.7%	0.4%	58.0%
40	0.02	0.01	0.00	0.01	0.00	0.43	59.8%	2.5%	1.8%	0.4%	1.3%	0.3%	59.8%
41	0.02	0.01	0.01	0.02	0.00	0.48	59.9%	2.6%	1.7%	0.6%	2.5%	0.4%	59.9%
42	0.01	0.01	0.00	0.02	0.01	0.38	61.6%	2.1%	2.3%	0.2%	3.4%	1.0%	61.6%
43	0.01	0.01	0.00	0.02	0.00	0.16	44.8%	1.7%	2.0%	0.6%	5.8%	0.6%	44.8%
44	0.01	0.00	0.00	0.01	0.00	0.15	40.4%	1.4%	1.1%	0.6%	3.9%	0.8%	40.4%
45	0.01	0.00	0.00	0.02	0.00	0.16	42.8%	1.8%	1.0%	0.5%	5.0%	0.3%	42.8%
46	0.01	0.01	0.00	0.01	0.00	0.14	42.5%	1.8%	1.8%	0.6%	3.1%	0.3%	42.5%
47	0.00	0.01	0.00	0.01	0.00	0.13	40.5%	1.2%	1.5%	0.6%	3.4%	0.3%	40.5%
48	0.01	0.01	0.01	0.03	0.00	0.28	47.8%	2.2%	1.7%	1.2%	5.2%	0.3%	47.8%
49	0.01	0.02	0.00	0.03	0.00	0.44	57.8%	1.9%	2.5%	0.4%	3.4%	0.4%	57.8%
50	0.01	0.01	0.00	0.03	0.00	0.36	55.3%	2.0%	1.8%	0.3%	4.6%	0.6%	55.3%
51	0.01	0.01	0.00	0.06	0.01	0.28	41.3%	1.9%	1.3%	0.6%	8.3%	0.7%	41.3%
52	0.01	0.01	0.00	0.03	0.00	0.35	51.1%	1.8%	1.9%	0.6%	4.1%	0.3%	51.1%
53	0.01	0.02	0.00	0.03	0.00	0.37	54.4%	2.0%	2.3%	0.1%	3.7%	0.6%	54.4%
54	0.01	0.01	0.00	0.04	0.00	0.24	49.7%	2.1%	2.3%	0.8%	8.6%	0.8%	49.7%
55	0.05	0.03	0.02	0.17	0.01	1.15	68.4%	2.7%	1.7%	1.3%	10.2%	0.3%	68.4%
56	0.05	0.05	0.01	0.03	0.01	1.06	66.5%	3.3%	3.3%	0.3%	2.1%	0.3%	66.5%
57	0.06	0.05	0.01	0.04	0.01	1.00	64.8%	3.6%	3.4%	0.6%	2.5%	0.5%	64.8%
58	0.04	0.04	0.00	0.08	0.02	0.96	59.6%	2.5%	2.5%	0.2%	4.7%	1.0%	59.6%
59	0.07	0.06	0.01	0.08	0.01	1.03	57.5%	3.8%	3.3%	0.4%	4.4%	0.8%	57.5%
60	0.05	0.05	0.02	0.10	0.01	1.21	70.5%	3.0%	2.7%	1.0%	5.8%	0.3%	70.5%
61	0.05	0.06	0.01	0.03	0.01	1.11	66.0%	2.8%	3.3%	0.4%	1.6%	0.4%	66.0%
62	0.04	0.04	0.01	0.06	0.01	0.89	57.0%	2.6%	2.8%	0.6%	3.6%	0.7%	57.0%
63	0.06	0.05	0.00	0.08	0.02	0.94	58.4%	3.6%	3.3%	0.2%	4.7%	0.9%	58.4%

- K–patch High CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
												max ratio out of all beams	8.8%	4.8%	2.0%	17.1%	1.7%	100.0%
1			0		1	0.01	0.00	0.00	0.01	0.00	0.19		3.2%	1.6%	0.5%	4.8%	0.5%	100.0%
2			2		1	0.01	0.00	0.00	0.02	0.00	0.19		2.7%	1.1%	0.5%	10.1%	0.5%	100.0%
3			4		1	0.01	0.00	0.00	0.01	0.00	0.20		2.5%	1.0%	0.5%	5.9%	0.5%	100.0%
4			6		1	0.01	0.00	0.00	0.01	0.00	0.18		2.8%	1.1%	0.6%	4.5%	0.0%	100.0%
5			8		1	0.00	0.00	0.00	0.01	0.00	0.19		2.1%	1.1%	0.5%	3.7%	0.0%	100.0%
6			10		2	0.02	0.01	0.00	0.04	0.00	0.39		3.9%	1.8%	0.8%	11.1%	0.3%	100.0%
7			11		2	0.01	0.01	0.00	0.02	0.00	0.41		3.2%	1.5%	0.5%	4.6%	0.5%	100.0%
8			12		2	0.02	0.01	0.00	0.02	0.00	0.34		4.4%	1.7%	0.3%	5.5%	1.2%	100.0%
9			13		2	0.01	0.00	0.00	0.06	0.00	0.41		2.2%	1.0%	0.7%	13.8%	0.7%	100.0%
10			18		2	0.01	0.00	0.00	0.02	0.00	0.36		2.2%	1.1%	0.8%	6.1%	0.3%	100.0%
11			19		2	0.02	0.01	0.00	0.01	0.00	0.36		4.7%	1.7%	0.3%	1.9%	0.3%	100.0%
12			20		2	0.01	0.01	0.00	0.03	0.00	0.36		3.0%	1.4%	0.5%	6.9%	1.1%	100.0%
13			24		5	0.02	0.02	0.02	0.14	0.00	0.83		2.9%	1.8%	1.8%	17.1%	0.5%	100.0%
14			25		5	0.07	0.04	0.00	0.02	0.00	0.99		7.3%	3.5%	0.3%	1.8%	0.4%	100.0%
15			26		5	0.06	0.03	0.00	0.02	0.00	0.78		7.7%	3.8%	0.4%	1.9%	0.3%	100.0%
16			27		5	0.07	0.03	0.00	0.03	0.01	0.74		8.8%	3.4%	0.1%	4.3%	0.8%	100.0%
17			28		5	0.03	0.02	0.00	0.07	0.01	0.75		4.5%	3.1%	0.4%	8.9%	1.3%	100.0%
18			34		5	0.03	0.02	0.01	0.06	0.01	0.83		3.5%	2.8%	1.2%	6.7%	0.6%	100.0%
19			35		5	0.08	0.03	0.00	0.01	0.00	0.98		7.8%	3.0%	0.3%	0.9%	0.3%	100.0%
20			36		5	0.06	0.03	0.00	0.03	0.01	0.70		8.2%	3.7%	0.1%	4.0%	0.7%	100.0%
21			37		5	0.05	0.02	0.00	0.03	0.01	0.77		6.0%	2.9%	0.4%	4.3%	1.2%	100.0%
22			128		1	0.00	0.00	0.00	0.01	0.00	0.16		1.9%	0.6%	0.6%	8.3%	1.3%	100.0%
23			130		1	0.00	0.00	0.00	0.01	0.00	0.20		1.0%	1.0%	0.5%	5.1%	1.0%	100.0%
24			132		1	0.00	0.00	0.00	0.01	0.00	0.21		1.4%	1.0%	1.0%	5.3%	0.5%	100.0%
25			134		1	0.00	0.00	0.00	0.01	0.00	0.19		1.1%	1.1%	0.5%	3.2%	0.5%	100.0%
26			136		1	0.00	0.00	0.00	0.00	0.00	0.15		1.4%	0.7%	0.7%	2.1%	0.0%	100.0%
27			138		2	0.01	0.00	0.00	0.03	0.00	0.39		1.8%	1.0%	1.0%	7.2%	0.8%	100.0%
28			139		2	0.01	0.01	0.00	0.01	0.00	0.32		1.9%	1.9%	0.3%	2.8%	1.3%	100.0%
29			140		2	0.01	0.01	0.00	0.01	0.00	0.36		1.7%	1.4%	0.6%	2.8%	0.3%	100.0%
30			141		2	0.01	0.00	0.00	0.04	0.00	0.37		1.6%	0.8%	0.8%	10.0%	1.1%	100.0%
31			146		2	0.01	0.00	0.00	0.01	0.00	0.33		2.1%	1.2%	0.3%	2.1%	0.3%	100.0%
32	K	Patch	147		2	0.01	0.01	0.00	0.01	0.01	0.33		2.1%	1.8%	0.0%	3.1%	1.5%	100.0%
33			148		2	0.01	0.00	0.00	0.02	0.00	0.33		1.8%	0.9%	0.9%	4.6%	0.3%	100.0%
34			152		5	0.03	0.01	0.02	0.10	0.01	0.83		3.4%	1.4%	1.9%	11.7%	0.6%	100.0%
35			153		5	0.02	0.02	0.00	0.02	0.00	0.88		2.5%	1.9%	0.3%	2.4%	0.3%	100.0%
36			154		5	0.03	0.02	0.00	0.02	0.00	0.68		3.8%	3.6%	0.4%	2.8%	0.4%	100.0%
37			155		5	0.02	0.02	0.00	0.03	0.01	0.75		2.7%	2.1%	0.4%	4.0%	1.5%	100.0%
38			156		5	0.03	0.02	0.00	0.09	0.01	0.87		3.4%	2.1%	0.3%	9.8%	0.7%	100.0%
39			162		5	0.03	0.02	0.01	0.06	0.00	0.92		3.2%	1.9%	1.3%	6.2%	0.3%	100.0%
40			163		5	0.03	0.02	0.00	0.02	0.00	0.75		3.4%	2.5%	0.4%	2.4%	0.4%	100.0%
41			164		5	0.02	0.03	0.01	0.02	0.01	0.65		2.9%	4.1%	0.9%	2.6%	0.9%	100.0%
42			165		5	0.03	0.02	0.00	0.04	0.01	0.98		2.6%	1.7%	0.2%	4.0%	1.0%	100.0%
43			0	128	2	0.01	0.01	0.00	0.03	0.01	0.38		3.1%	1.6%	0.5%	6.5%	1.6%	100.0%
44			2	130	2	0.01	0.01	0.00	0.04	0.01	0.41		1.7%	1.2%	0.5%	9.3%	1.2%	100.0%
45			4	132	2	0.01	0.01	0.00	0.03	0.00	0.46		2.2%	1.1%	0.7%	7.4%	0.4%	100.0%
46			6	134	2	0.01	0.01	0.00	0.02	0.00	0.40		2.5%	1.3%	0.8%	4.3%	0.5%	100.0%
47			8	136	2	0.01	0.01	0.00	0.01	0.00	0.37		1.9%	1.6%	0.5%	3.8%	0.3%	100.0%
48			10	138	4	0.03	0.01	0.01	0.11	0.00	0.78		3.2%	1.7%	1.2%	13.8%	0.5%	100.0%
49			11	139	4	0.02	0.02	0.00	0.04	0.01	0.73		3.1%	2.2%	0.4%	5.2%	0.8%	100.0%
50			12	140	4	0.03	0.02	0.00	0.04	0.01	0.75		3.9%	2.1%	0.3%	5.6%	0.9%	100.0%
51			13	141	4	0.02	0.01	0.01	0.10	0.01	0.84		2.0%	1.4%	1.0%	11.9%	1.2%	100.0%
52			18	146	4	0.02	0.01	0.01	0.04	0.00	0.72		2.5%	1.5%	0.7%	5.5%	0.6%	100.0%
53			19	147	4	0.03	0.02	0.00	0.02	0.01	0.72		4.5%	2.5%	0.1%	3.2%	1.1%	100.0%
54			20	148	4	0.02	0.01	0.01	0.05	0.01	0.57		2.6%	1.9%	0.9%	8.9%	1.0%	100.0%
55			24	152	10	0.07	0.04	0.04	0.32	0.01	1.98		3.3%	1.9%	2.0%	16.0%	0.6%	100.0%
56			25	153	10	0.10	0.07	0.01	0.04	0.01	2.04		4.8%	3.2%	0.5%	2.0%	0.6%	100.0%
57			26	154	10	0.13	0.06	0.01	0.05	0.01	1.51		8.7%	4.1%	0.7%	3.1%	0.5%	100.0%
58			27	155	10	0.10	0.06	0.01	0.09	0.03	1.82		5.6%	3.4%	0.3%	5.2%	1.4%	100.0%
59			28	156	10	0.08	0.06	0.01	0.18	0.02	1.98		3.9%	3.1%	0.5%	8.8%	1.2%	100.0%
60			34	162	10	0.07	0.05	0.03	0.15	0.01	1.95		3.8%	2.5%	1.4%	7.4%	0.6%	100.0%
61			35	163	10	0.12	0.05	0.01	0.03	0.01	1.89		6.6%	2.7%	0.4%	1.5%	0.6%	100.0%
62			36	164	10	0.09	0.08	0.01	0.06	0.02	1.62		5.6%	4.8%	0.6%	3.8%	1.0%	100.0%
63			37	165	10	0.09	0.07	0.01	0.12	0.04	2.09		4.1%	3.2%	0.3%	5.9%	1.7%	100.0%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
max ratio out of all beams							72.4%	7.0%	3.8%	1.7%	9.6%	0.6%	72.4%
1	0.01	0.00	0.00	0.01	0.00	0.09	46.8%	2.7%	1.1%	0.5%	3.7%	0.5%	46.8%
2	0.00	0.00	0.00	0.01	0.00	0.09	47.9%	2.1%	1.1%	0.5%	5.9%	0.5%	47.9%
3	0.00	0.00	0.00	0.01	0.00	0.10	50.0%	2.0%	1.0%	0.5%	4.5%	0.0%	50.0%
4	0.00	0.00	0.00	0.01	0.00	0.09	49.7%	2.2%	1.1%	0.6%	2.8%	0.0%	49.7%
5	0.00	0.00	0.00	0.01	0.00	0.09	47.4%	1.6%	1.1%	0.5%	2.6%	0.0%	47.4%
6	0.01	0.01	0.00	0.03	0.00	0.20	51.3%	3.1%	1.5%	0.8%	6.7%	0.3%	51.3%
7	0.01	0.01	0.00	0.01	0.00	0.25	61.4%	2.4%	1.2%	0.5%	2.7%	0.2%	61.4%
8	0.01	0.01	0.00	0.01	0.00	0.22	63.1%	3.2%	1.5%	0.3%	3.8%	0.6%	63.1%
9	0.01	0.00	0.00	0.04	0.00	0.16	38.2%	1.7%	0.7%	0.5%	9.6%	0.2%	38.2%
10	0.01	0.00	0.00	0.01	0.00	0.20	54.6%	1.4%	0.8%	0.6%	3.9%	0.3%	54.6%
11	0.01	0.01	0.00	0.01	0.00	0.25	68.0%	3.6%	1.4%	0.0%	1.4%	0.0%	68.0%
12	0.01	0.00	0.00	0.02	0.00	0.19	53.3%	2.5%	1.1%	0.3%	4.1%	0.5%	53.3%
13	0.02	0.01	0.01	0.07	0.00	0.57	68.8%	2.3%	1.4%	1.4%	8.9%	0.2%	68.8%
14	0.05	0.03	0.00	0.01	0.00	0.70	70.9%	5.5%	2.8%	0.3%	1.1%	0.2%	70.9%
15	0.05	0.03	0.00	0.01	0.00	0.53	68.1%	5.9%	3.2%	0.3%	1.4%	0.1%	68.1%
16	0.05	0.02	0.00	0.02	0.00	0.47	63.2%	7.0%	2.8%	0.1%	2.4%	0.3%	63.2%
17	0.03	0.02	0.00	0.05	0.00	0.50	66.0%	3.4%	2.4%	0.3%	6.9%	0.5%	66.0%
18	0.02	0.02	0.01	0.03	0.00	0.59	71.4%	2.6%	2.2%	1.1%	3.1%	0.2%	71.4%
19	0.06	0.02	0.00	0.01	0.00	0.68	69.8%	5.9%	2.4%	0.2%	0.8%	0.1%	69.8%
20	0.05	0.02	0.00	0.02	0.00	0.47	67.2%	6.5%	3.3%	0.1%	2.3%	0.3%	67.2%
21	0.04	0.02	0.00	0.02	0.00	0.51	66.1%	4.8%	2.3%	0.4%	3.1%	0.4%	66.1%
22	0.00	0.00	0.00	0.01	0.00	0.06	38.5%	1.9%	0.6%	0.6%	5.8%	0.6%	38.5%
23	0.00	0.00	0.00	0.01	0.00	0.08	41.3%	1.0%	1.0%	0.5%	3.1%	0.5%	41.3%
24	0.00	0.00	0.00	0.01	0.00	0.08	40.6%	1.0%	0.5%	0.5%	4.3%	0.0%	40.6%
25	0.00	0.00	0.00	0.00	0.00	0.07	37.3%	1.1%	0.5%	0.5%	2.2%	0.0%	37.3%
26	0.00	0.00	0.00	0.00	0.00	0.07	50.7%	1.4%	0.7%	0.7%	1.4%	0.0%	50.7%
27	0.01	0.00	0.00	0.02	0.00	0.17	44.5%	1.3%	0.8%	0.8%	5.7%	0.3%	44.5%
28	0.01	0.00	0.00	0.01	0.00	0.16	51.3%	1.6%	1.3%	0.3%	2.5%	0.3%	51.3%
29	0.00	0.00	0.00	0.01	0.00	0.20	54.5%	1.1%	1.1%	0.3%	1.9%	0.3%	54.5%
30	0.00	0.00	0.00	0.03	0.00	0.16	42.3%	1.1%	0.5%	0.5%	7.3%	0.3%	42.3%
31	0.01	0.00	0.00	0.00	0.00	0.20	59.2%	1.5%	0.9%	0.3%	1.2%	0.3%	59.2%
32	0.01	0.00	0.00	0.01	0.00	0.17	51.5%	1.5%	1.2%	0.0%	2.5%	0.6%	51.5%
33	0.01	0.00	0.00	0.01	0.00	0.15	45.1%	1.5%	0.6%	0.9%	3.7%	0.3%	45.1%
34	0.02	0.01	0.01	0.05	0.00	0.52	62.9%	2.9%	1.2%	1.6%	5.7%	0.2%	62.9%
35	0.02	0.01	0.00	0.01	0.00	0.51	58.2%	2.2%	1.6%	0.2%	1.3%	0.2%	58.2%
36	0.02	0.02	0.00	0.01	0.00	0.37	55.0%	2.8%	2.4%	0.3%	2.1%	0.1%	55.0%
37	0.02	0.01	0.00	0.02	0.00	0.46	61.1%	2.0%	1.7%	0.3%	2.1%	0.5%	61.1%
38	0.02	0.01	0.00	0.07	0.00	0.53	61.3%	2.6%	1.6%	0.2%	8.0%	0.3%	61.3%
39	0.02	0.01	0.01	0.03	0.00	0.57	62.4%	2.6%	1.5%	1.1%	3.6%	0.1%	62.4%
40	0.02	0.01	0.00	0.02	0.00	0.45	60.9%	2.5%	1.9%	0.4%	2.0%	0.1%	60.9%
41	0.01	0.02	0.01	0.01	0.00	0.37	56.0%	2.1%	2.9%	0.8%	1.8%	0.3%	56.0%
42	0.02	0.01	0.00	0.03	0.00	0.59	59.8%	1.8%	1.4%	0.1%	2.6%	0.3%	59.8%
43	0.01	0.01	0.00	0.02	0.00	0.16	42.2%	2.6%	1.3%	0.5%	5.5%	0.5%	42.2%
44	0.01	0.00	0.00	0.02	0.00	0.18	44.1%	1.5%	1.0%	0.5%	5.1%	0.5%	44.1%
45	0.01	0.00	0.00	0.03	0.00	0.20	43.1%	1.5%	0.9%	0.7%	6.1%	0.2%	43.1%
46	0.01	0.00	0.00	0.01	0.00	0.18	44.2%	1.8%	1.0%	0.5%	3.0%	0.3%	44.2%
47	0.01	0.01	0.00	0.01	0.00	0.17	46.9%	1.4%	1.4%	0.5%	3.0%	0.0%	46.9%
48	0.02	0.01	0.01	0.07	0.00	0.40	51.0%	2.6%	1.4%	1.0%	9.4%	0.3%	51.0%
49	0.02	0.01	0.00	0.02	0.00	0.43	58.2%	2.3%	1.6%	0.4%	2.6%	0.3%	58.2%
50	0.02	0.01	0.00	0.03	0.00	0.42	56.1%	2.9%	1.6%	0.3%	4.1%	0.4%	56.1%
51	0.02	0.01	0.01	0.07	0.00	0.36	43.4%	1.8%	1.0%	0.7%	8.7%	0.5%	43.4%
52	0.01	0.01	0.01	0.03	0.00	0.43	60.1%	1.8%	1.2%	0.7%	3.6%	0.3%	60.1%
53	0.03	0.01	0.00	0.02	0.00	0.41	57.8%	3.5%	1.8%	0.1%	2.2%	0.4%	57.8%
54	0.01	0.01	0.00	0.04	0.00	0.28	49.4%	2.1%	1.6%	0.7%	6.1%	0.3%	49.4%
55	0.05	0.03	0.03	0.17	0.00	1.36	68.9%	2.3%	1.6%	1.7%	8.6%	0.2%	68.9%
56	0.07	0.05	0.01	0.03	0.01	1.39	68.2%	3.6%	2.6%	0.4%	1.2%	0.3%	68.2%
57	0.10	0.05	0.01	0.04	0.00	0.94	61.8%	6.7%	3.2%	0.5%	2.6%	0.2%	61.8%
58	0.08	0.05	0.01	0.05	0.01	1.11	61.0%	4.4%	2.8%	0.3%	2.8%	0.5%	61.0%
59	0.06	0.05	0.01	0.14	0.01	1.25	63.3%	3.1%	2.4%	0.4%	7.2%	0.5%	63.3%
60	0.05	0.04	0.02	0.09	0.01	1.42	72.4%	2.7%	1.9%	1.2%	4.6%	0.3%	72.4%
61	0.10	0.04	0.01	0.02	0.00	1.29	68.4%	5.0%	2.2%	0.3%	1.2%	0.2%	68.4%
62	0.07	0.06	0.01	0.03	0.01	0.98	60.6%	4.3%	3.8%	0.5%	1.7%	0.4%	60.6%
63	0.07	0.05	0.01	0.09	0.01	1.25	59.7%	3.2%	2.5%	0.2%	4.1%	0.6%	59.7%

[Folder Closed Status]

- K–patch Low CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
												max ratio out of all beams	11.2%	45.8%	2.6%	19.7%	2.0%	100.0%
1			0		1	0.00	0.04	0.00	0.01	0.00	0.16		1.9%	27.7%	0.6%	7.5%	0.6%	100.0%
2			2		1	0.00	0.05	0.00	0.01	0.00	0.19		1.5%	24.2%	0.5%	6.2%	0.5%	100.0%
3			4		1	0.01	0.06	0.00	0.01	0.00	0.22		2.3%	26.0%	0.5%	5.9%	0.5%	100.0%
4			6		1	0.00	0.05	0.00	0.01	0.00	0.17		2.4%	28.0%	0.6%	3.6%	0.6%	100.0%
5			8		1	0.00	0.04	0.00	0.01	0.00	0.15		2.7%	24.3%	0.0%	4.7%	0.7%	100.0%
6			10		2	0.01	0.12	0.00	0.02	0.00	0.41		1.7%	29.7%	0.5%	5.8%	0.5%	100.0%
7			11		2	0.01	0.16	0.00	0.02	0.01	0.48		2.3%	34.0%	0.2%	4.2%	1.0%	100.0%
8			12		2	0.01	0.10	0.00	0.03	0.00	0.29		1.8%	34.4%	0.4%	9.5%	1.1%	100.0%
9			13		2	0.01	0.08	0.00	0.05	0.00	0.36		2.2%	22.7%	0.6%	12.4%	0.8%	100.0%
10			18		2	0.01	0.11	0.00	0.02	0.00	0.39		3.6%	28.1%	0.5%	5.9%	0.8%	100.0%
11			19		2	0.01	0.14	0.00	0.00	0.00	0.39		2.3%	36.0%	0.0%	1.0%	0.8%	100.0%
12			20		2	0.01	0.08	0.00	0.04	0.00	0.30		2.0%	26.7%	0.3%	12.8%	1.0%	100.0%
13			24		5	0.04	0.33	0.01	0.15	0.02	1.11		3.6%	29.6%	0.6%	13.4%	1.4%	100.0%
14			25		5	0.03	0.44	0.00	0.02	0.02	1.03		3.2%	42.9%	0.2%	1.5%	1.5%	100.0%
15			26		5	0.03	0.37	0.00	0.01	0.01	0.96		3.2%	39.1%	0.3%	1.2%	1.2%	100.0%
16			27		5	0.02	0.26	0.00	0.03	0.00	0.62		2.6%	41.4%	0.2%	5.3%	0.6%	100.0%
17			28		5	0.04	0.20	0.00	0.06	0.01	0.66		6.1%	30.9%	0.6%	8.3%	0.8%	100.0%
18			34		5	0.05	0.38	0.00	0.12	0.01	1.18		4.4%	31.9%	0.3%	10.1%	1.2%	100.0%
19			35		5	0.03	0.42	0.00	0.01	0.02	0.95		3.2%	44.4%	0.4%	0.7%	1.7%	100.0%
20			36		5	0.03	0.34	0.00	0.01	0.01	0.90		3.6%	38.2%	0.1%	0.7%	0.7%	100.0%
21			37		5	0.02	0.17	0.00	0.06	0.01	0.50		4.0%	34.4%	0.4%	12.9%	1.4%	100.0%
22			128		1	0.01	0.04	0.00	0.01	0.00	0.15		3.4%	25.0%	0.7%	7.4%	1.4%	100.0%
23			130		1	0.00	0.03	0.00	0.01	0.00	0.15		2.8%	23.4%	0.7%	3.4%	0.7%	100.0%
24			132		1	0.01	0.03	0.00	0.01	0.00	0.14		3.5%	22.5%	0.7%	3.5%	1.4%	100.0%
25			134		1	0.01	0.03	0.00	0.01	0.00	0.12		4.1%	23.6%	0.8%	4.1%	0.8%	100.0%
26			136		1	0.00	0.03	0.00	0.00	0.00	0.12		3.5%	27.8%	0.9%	2.6%	0.9%	100.0%
27			138		2	0.01	0.05	0.00	0.01	0.00	0.18		7.3%	29.2%	1.7%	7.3%	1.7%	100.0%
28			139		2	0.01	0.09	0.00	0.01	0.00	0.38		2.4%	24.5%	0.3%	3.2%	0.8%	100.0%
29			140		2	0.01	0.08	0.00	0.01	0.00	0.34		2.4%	24.1%	0.3%	3.3%	0.9%	100.0%
30			141		2	0.01	0.06	0.00	0.02	0.00	0.20		6.0%	28.0%	1.0%	8.5%	1.0%	100.0%
31			146		2	0.01	0.07	0.00	0.01	0.00	0.23		3.5%	28.8%	0.9%	3.1%	0.9%	100.0%
32	K	Patch	147		2	0.01	0.10	0.00	0.01	0.00	0.40		2.3%	25.0%	0.0%	3.5%	0.8%	100.0%
33			148		2	0.01	0.06	0.00	0.01	0.00	0.20		7.1%	28.9%	0.5%	6.1%	1.0%	100.0%
34			152		5	0.03	0.13	0.01	0.07	0.01	0.35		7.4%	36.3%	2.6%	19.7%	1.4%	100.0%
35			153		5	0.02	0.13	0.00	0.01	0.00	0.50		3.2%	25.3%	0.8%	2.4%	0.8%	100.0%
36			154		5	0.04	0.29	0.00	0.02	0.01	0.94		4.0%	30.7%	0.2%	2.0%	1.1%	100.0%
37			155		5	0.03	0.21	0.00	0.05	0.01	0.76		3.6%	27.0%	0.1%	6.3%	1.2%	100.0%
38			156		5	0.06	0.19	0.00	0.04	0.01	0.54		11.2%	35.7%	0.6%	7.7%	1.3%	100.0%
39			162		5	0.03	0.12	0.01	0.04	0.01	0.38		6.5%	32.1%	1.6%	10.7%	1.6%	100.0%
40			163		5	0.02	0.19	0.00	0.01	0.01	0.66		3.6%	29.1%	0.6%	1.8%	1.1%	100.0%
41			164		5	0.04	0.27	0.00	0.04	0.01	0.95		3.8%	28.9%	0.2%	3.8%	1.2%	100.0%
42			165		5	0.03	0.16	0.00	0.04	0.01	0.54		4.7%	29.1%	0.2%	7.3%	0.9%	100.0%
43			0	128	2	0.01	0.10	0.00	0.02	0.00	0.35		2.0%	28.7%	0.6%	6.9%	1.1%	100.0%
44			2	130	2	0.01	0.11	0.00	0.02	0.00	0.36		2.0%	31.6%	0.6%	5.9%	1.1%	100.0%
45			4	132	2	0.01	0.13	0.00	0.02	0.00	0.40		2.5%	31.3%	0.5%	4.8%	1.0%	100.0%
46			6	134	2	0.01	0.09	0.00	0.02	0.00	0.33		3.4%	26.9%	0.6%	4.9%	0.9%	100.0%
47			8	136	2	0.01	0.09	0.00	0.01	0.00	0.32		2.2%	27.0%	0.6%	4.4%	0.6%	100.0%
48			10	138	4	0.02	0.19	0.01	0.05	0.01	0.55		3.6%	34.4%	1.3%	8.9%	1.3%	100.0%
49			11	139	4	0.02	0.27	0.00	0.04	0.01	0.85		2.6%	32.0%	0.2%	4.1%	1.3%	100.0%
50			12	140	4	0.02	0.19	0.00	0.05	0.01	0.67		2.2%	28.6%	0.3%	7.0%	1.2%	100.0%
51			13	141	4	0.02	0.21	0.01	0.07	0.01	0.67		3.1%	31.3%	1.0%	9.9%	1.2%	100.0%
52			18	146	4	0.02	0.22	0.01	0.04	0.01	0.71		3.1%	31.2%	0.7%	5.8%	1.0%	100.0%
53			19	147	4	0.02	0.26	0.00	0.03	0.01	0.78		2.8%	32.7%	0.1%	3.6%	1.0%	100.0%
54			20	148	4	0.02	0.16	0.00	0.06	0.01	0.43		5.1%	38.1%	0.7%	12.8%	1.4%	100.0%
55			24	152	10	0.08	0.70	0.02	0.28	0.03	1.66		5.0%	42.0%	1.3%	16.7%	2.0%	100.0%
56			25	153	10	0.08	0.76	0.01	0.04	0.02	1.76		4.5%	43.1%	0.5%	2.1%	1.4%	100.0%
57			26	154	10	0.09	0.70	0.01	0.04	0.04	1.98		4.3%	35.5%	0.4%	1.8%	1.8%	100.0%
58			27	155	10	0.05	0.65	0.00	0.09	0.02	1.75		2.8%	36.9%	0.2%	5.1%	1.1%	100.0%
59			28	156	10	0.10	0.72	0.01	0.15	0.02	1.74		6.0%	41.5%	0.4%	8.4%	1.0%	100.0%
60			34	162	10	0.10	0.82	0.02	0.20	0.03	1.78		5.3%	45.8%	0.9%	11.4%	1.8%	100.0%
61			35	163	10	0.08	0.75	0.01	0.03	0.04	1.72		4.8%	43.5%	0.6%	1.7%	2.0%	100.0%
62			36	164	10	0.08	0.70	0.00	0.06	0.03	1.94		3.9%	35.9%	0.2%	2.9%	1.3%	100.0%
63			37	165	10	0.06	0.58	0.00	0.15	0.02	1.47		4.1%	39.5%	0.2%	10.4%	1.2%	100.0%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
max ratio out of all beams							62.2%	6.9%	29.6%	2.3%	13.4%	1.2%	62.2%
1	0.00	0.02	0.00	0.01	0.00	0.06	35.8%	1.3%	13.2%	0.6%	5.0%	0.6%	35.8%
2	0.00	0.03	0.00	0.01	0.00	0.09	44.3%	1.0%	13.4%	0.5%	3.6%	0.5%	44.3%
3	0.00	0.03	0.00	0.01	0.00	0.09	42.0%	1.4%	14.6%	0.0%	4.1%	0.5%	42.0%
4	0.00	0.03	0.00	0.01	0.00	0.08	45.2%	2.4%	15.5%	0.6%	3.0%	0.6%	45.2%
5	0.00	0.02	0.00	0.01	0.00	0.06	43.2%	2.0%	13.5%	0.0%	4.1%	0.0%	43.2%
6	0.01	0.07	0.00	0.02	0.00	0.20	48.9%	1.5%	16.5%	0.5%	4.1%	0.2%	48.9%
7	0.01	0.10	0.00	0.01	0.00	0.26	54.4%	1.7%	20.0%	0.2%	2.1%	0.4%	54.4%
8	0.00	0.05	0.00	0.02	0.00	0.14	48.1%	1.4%	18.9%	0.4%	6.3%	0.7%	48.1%
9	0.01	0.05	0.00	0.02	0.00	0.15	41.7%	1.7%	12.4%	0.6%	6.1%	0.3%	41.7%
10	0.01	0.06	0.00	0.02	0.00	0.18	45.9%	3.1%	15.1%	0.3%	4.1%	0.5%	45.9%
11	0.01	0.09	0.00	0.00	0.00	0.22	56.6%	1.8%	21.7%	0.0%	0.8%	0.3%	56.6%
12	0.01	0.04	0.00	0.03	0.00	0.13	44.9%	1.7%	14.2%	0.3%	9.1%	0.7%	44.9%
13	0.03	0.18	0.01	0.09	0.01	0.62	55.7%	2.7%	16.1%	0.5%	8.0%	0.7%	55.7%
14	0.02	0.29	0.00	0.01	0.01	0.63	61.1%	2.2%	27.8%	0.2%	0.9%	0.8%	61.1%
15	0.02	0.25	0.00	0.01	0.01	0.56	59.1%	2.5%	25.9%	0.2%	0.8%	0.6%	59.1%
16	0.01	0.17	0.00	0.02	0.00	0.35	56.9%	2.1%	28.1%	0.2%	3.6%	0.3%	56.9%
17	0.03	0.12	0.00	0.04	0.00	0.38	57.2%	4.5%	18.0%	0.5%	5.3%	0.5%	57.2%
18	0.04	0.23	0.00	0.07	0.01	0.68	57.3%	3.1%	19.6%	0.3%	6.0%	0.7%	57.3%
19	0.02	0.28	0.00	0.01	0.01	0.57	59.6%	2.2%	29.6%	0.3%	0.5%	0.9%	59.6%
20	0.03	0.23	0.00	0.00	0.00	0.55	61.0%	2.9%	25.7%	0.1%	0.3%	0.3%	61.0%
21	0.02	0.10	0.00	0.04	0.00	0.26	52.7%	3.0%	19.3%	0.4%	8.7%	0.8%	52.7%
22	0.00	0.02	0.00	0.01	0.00	0.06	40.5%	2.0%	14.2%	0.7%	4.7%	0.7%	40.5%
23	0.00	0.02	0.00	0.00	0.00	0.07	47.6%	2.1%	11.7%	0.7%	2.8%	0.7%	47.6%
24	0.00	0.02	0.00	0.00	0.00	0.07	47.2%	2.1%	12.7%	0.7%	2.1%	0.7%	47.2%
25	0.00	0.02	0.00	0.00	0.00	0.06	49.6%	2.4%	13.8%	0.8%	2.4%	0.0%	49.6%
26	0.00	0.02	0.00	0.00	0.00	0.05	44.3%	1.7%	15.7%	0.9%	1.7%	0.9%	44.3%
27	0.01	0.03	0.00	0.01	0.00	0.07	37.6%	3.9%	15.2%	1.7%	5.1%	1.1%	37.6%
28	0.01	0.05	0.00	0.01	0.00	0.19	50.9%	1.8%	13.2%	0.0%	2.1%	0.5%	50.9%
29	0.01	0.05	0.00	0.01	0.00	0.19	55.7%	1.8%	14.0%	0.3%	2.1%	0.3%	55.7%
30	0.01	0.03	0.00	0.01	0.00	0.09	43.5%	3.0%	16.0%	1.0%	7.0%	0.5%	43.5%
31	0.01	0.04	0.00	0.01	0.00	0.10	45.1%	2.7%	16.8%	0.9%	2.7%	0.4%	45.1%
32	0.01	0.05	0.00	0.01	0.00	0.20	50.0%	1.5%	13.4%	0.0%	2.5%	0.5%	50.0%
33	0.01	0.04	0.00	0.01	0.00	0.10	51.3%	4.6%	17.8%	0.5%	3.6%	0.5%	51.3%
34	0.02	0.06	0.01	0.05	0.00	0.18	52.3%	4.9%	18.3%	2.3%	13.4%	0.9%	52.3%
35	0.01	0.08	0.00	0.01	0.00	0.28	55.5%	2.4%	15.6%	0.8%	1.8%	0.4%	55.5%
36	0.03	0.19	0.00	0.01	0.01	0.54	57.8%	2.8%	20.5%	0.2%	1.5%	0.5%	57.8%
37	0.02	0.13	0.00	0.03	0.01	0.43	57.0%	3.0%	17.5%	0.1%	4.1%	0.7%	57.0%
38	0.04	0.12	0.00	0.02	0.00	0.29	54.8%	6.9%	22.2%	0.6%	3.4%	0.7%	54.8%
39	0.02	0.07	0.01	0.02	0.00	0.19	50.1%	4.7%	17.8%	1.3%	6.3%	0.8%	50.1%
40	0.02	0.12	0.00	0.01	0.00	0.37	55.7%	2.6%	18.5%	0.6%	1.2%	0.6%	55.7%
41	0.03	0.17	0.00	0.03	0.01	0.53	55.7%	2.9%	17.9%	0.2%	2.9%	0.6%	55.7%
42	0.02	0.10	0.00	0.02	0.00	0.32	60.1%	3.4%	19.2%	0.2%	4.3%	0.7%	60.1%
43	0.01	0.05	0.00	0.02	0.00	0.13	36.5%	1.4%	15.5%	0.6%	5.2%	0.6%	36.5%
44	0.01	0.06	0.00	0.01	0.00	0.16	45.8%	1.4%	16.8%	0.6%	3.9%	0.6%	45.8%
45	0.01	0.06	0.00	0.01	0.00	0.16	40.1%	1.8%	15.8%	0.5%	3.5%	0.5%	40.1%
46	0.01	0.05	0.00	0.01	0.00	0.14	41.3%	2.4%	14.4%	0.3%	3.7%	0.6%	41.3%
47	0.01	0.05	0.00	0.01	0.00	0.11	34.6%	1.6%	14.5%	0.6%	3.1%	0.3%	34.6%
48	0.02	0.11	0.01	0.03	0.00	0.29	52.0%	2.7%	19.5%	1.1%	5.3%	0.7%	52.0%
49	0.02	0.16	0.00	0.03	0.01	0.45	52.7%	1.8%	18.3%	0.1%	3.0%	0.7%	52.7%
50	0.01	0.11	0.00	0.03	0.00	0.40	58.9%	1.6%	15.9%	0.3%	4.3%	0.6%	58.9%
51	0.02	0.12	0.01	0.04	0.01	0.21	31.9%	2.2%	18.6%	0.7%	6.6%	0.7%	31.9%
52	0.02	0.12	0.00	0.03	0.00	0.32	45.0%	2.4%	16.9%	0.6%	3.9%	0.6%	45.0%
53	0.02	0.14	0.00	0.02	0.00	0.42	53.5%	2.1%	18.4%	0.1%	2.4%	0.5%	53.5%
54	0.01	0.10	0.00	0.04	0.00	0.22	50.9%	3.3%	22.1%	0.7%	9.1%	0.9%	50.9%
55	0.06	0.40	0.02	0.16	0.02	0.97	58.1%	3.7%	24.3%	1.1%	9.7%	1.1%	58.1%
56	0.06	0.48	0.01	0.02	0.02	1.10	62.2%	3.3%	27.3%	0.5%	1.3%	0.9%	62.2%
57	0.06	0.46	0.01	0.03	0.02	1.20	60.6%	3.1%	23.3%	0.4%	1.3%	1.0%	60.6%
58	0.04	0.42	0.00	0.06	0.01	1.04	59.4%	2.3%	24.2%	0.2%	3.2%	0.6%	59.4%
59	0.07	0.43	0.01	0.08	0.01	0.88	50.5%	4.0%	24.9%	0.3%	4.6%	0.6%	50.5%
60	0.07	0.50	0.01	0.11	0.02	1.05	59.1%	3.8%	28.1%	0.7%	6.3%	1.0%	59.1%
61	0.06	0.49	0.01	0.02	0.02	1.06	61.4%	3.4%	28.7%	0.6%	1.2%	1.2%	61.4%
62	0.06	0.46	0.00	0.04	0.01	1.15	59.1%	3.1%	23.8%	0.2%	2.1%	0.7%	59.1%
63	0.04	0.36	0.00	0.09	0.01	0.82	55.8%	2.9%	24.7%	0.2%	6.4%	0.8%	55.8%

- K–patch Mid CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
												max ratio out of all beams	6.1%	39.1%	2.2%	17.2%	1.9%	100.0%
1			0		1	0.00	0.04	0.00	0.01	0.00	**0.15**		2.6%	23.8%	0.7%	6.0%	0.7%	100.0%
2			2		1	0.00	0.04	0.00	0.01	0.00	**0.16**		1.9%	23.3%	0.6%	8.8%	1.3%	100.0%
3			4		1	0.00	0.04	0.00	0.02	0.00	**0.18**		2.2%	20.1%	0.5%	8.2%	1.1%	100.0%
4			6		1	0.00	0.04	0.00	0.01	0.00	**0.14**		2.8%	27.1%	0.7%	5.6%	1.4%	100.0%
5			8		1	0.00	0.03	0.00	0.01	0.00	**0.16**		1.8%	18.9%	0.6%	4.9%	0.6%	100.0%
6			10		2	0.01	0.10	0.00	0.03	0.00	**0.37**		2.4%	27.7%	0.8%	7.9%	0.8%	100.0%
7			11		2	0.01	0.12	0.00	0.02	0.01	**0.36**		3.0%	31.8%	0.6%	6.6%	1.4%	100.0%
8			12		2	0.01	0.06	0.00	0.03	0.00	**0.24**		2.9%	26.9%	0.4%	10.9%	0.8%	100.0%
9			13		2	0.01	0.08	0.00	0.05	0.00	**0.37**		3.0%	22.2%	1.1%	14.3%	1.1%	100.0%
10			18		2	0.01	0.09	0.00	0.03	0.00	**0.37**		2.5%	24.1%	0.5%	6.8%	0.8%	100.0%
11			19		2	0.01	0.09	0.00	0.01	0.00	**0.27**		4.1%	32.6%	0.0%	5.2%	1.5%	100.0%
12			20		2	0.01	0.06	0.00	0.03	0.00	**0.28**		2.5%	22.3%	0.7%	10.8%	1.1%	100.0%
13			24		5	0.04	0.26	0.01	0.16	0.01	**0.96**		4.1%	26.8%	1.1%	16.2%	1.4%	100.0%
14			25		5	0.04	0.33	0.00	0.01	0.02	**0.85**		4.3%	38.6%	0.2%	0.8%	1.9%	100.0%
15			26		5	0.03	0.21	0.00	0.02	0.01	**0.63**		4.8%	34.2%	0.5%	2.6%	1.0%	100.0%
16			27		5	0.02	0.14	0.00	0.06	0.01	**0.37**		4.5%	36.4%	0.5%	17.1%	1.9%	100.0%
17			28		5	0.04	0.22	0.01	0.05	0.01	**0.79**		4.7%	28.1%	0.6%	5.8%	0.6%	100.0%
18			34		5	0.03	0.30	0.01	0.09	0.01	**1.00**		3.4%	30.4%	0.8%	9.4%	1.2%	100.0%
19			35		5	0.03	0.29	0.00	0.01	0.01	**0.78**		4.3%	36.9%	0.4%	1.4%	1.7%	100.0%
20			36		5	0.02	0.16	0.00	0.04	0.01	**0.42**		3.6%	37.9%	0.5%	10.3%	1.4%	100.0%
21			37		5	0.04	0.19	0.00	0.04	0.00	**0.64**		5.7%	29.2%	0.2%	6.6%	0.6%	100.0%
22			128		1	0.00	0.03	0.00	0.01	0.00	**0.15**		2.6%	17.2%	0.7%	6.6%	0.7%	100.0%
23			130		1	0.00	0.03	0.00	0.01	0.00	**0.16**		1.9%	19.3%	0.6%	3.7%	0.6%	100.0%
24			132		1	0.01	0.03	0.00	0.01	0.00	**0.16**		3.2%	15.9%	0.6%	3.8%	0.6%	100.0%
25			134		1	0.00	0.03	0.00	0.00	0.00	**0.15**		2.8%	20.7%	0.7%	2.8%	0.7%	100.0%
26			136		1	0.00	0.02	0.00	0.00	0.00	**0.13**		1.6%	17.8%	0.8%	3.1%	0.8%	100.0%
27			138		2	0.01	0.04	0.00	0.02	0.00	**0.24**		5.5%	18.1%	1.3%	7.2%	0.8%	100.0%
28			139		2	0.01	0.08	0.00	0.01	0.00	**0.36**		2.5%	23.3%	0.3%	3.1%	0.8%	100.0%
29			140		2	0.01	0.08	0.00	0.01	0.00	**0.35**		2.3%	24.3%	0.6%	3.2%	0.6%	100.0%
30			141		2	0.01	0.05	0.00	0.02	0.00	**0.26**		3.5%	20.4%	0.8%	8.2%	0.8%	100.0%
31			146		2	0.01	0.07	0.00	0.01	0.00	**0.29**		3.1%	25.0%	0.7%	2.4%	0.7%	100.0%
32	K	Patch	147		2	0.01	0.09	0.00	0.01	0.00	**0.37**		2.7%	23.3%	0.3%	3.3%	0.5%	100.0%
33			148		2	0.01	0.05	0.00	0.01	0.00	**0.24**		3.0%	20.3%	0.8%	5.1%	0.4%	100.0%
34			152		5	0.03	0.08	0.01	0.08	0.01	**0.49**		6.1%	16.1%	2.2%	16.1%	1.0%	100.0%
35			153		5	0.02	0.14	0.00	0.02	0.01	**0.59**		3.7%	24.5%	0.7%	2.9%	1.2%	100.0%
36			154		5	0.04	0.26	0.00	0.02	0.01	**0.87**		4.4%	29.4%	0.3%	2.4%	1.1%	100.0%
37			155		5	0.02	0.20	0.00	0.04	0.00	**0.75**		2.8%	26.2%	0.3%	4.7%	0.5%	100.0%
38			156		5	0.03	0.19	0.00	0.03	0.01	**0.61**		5.6%	30.9%	0.5%	5.3%	1.6%	100.0%
39			162		5	0.03	0.12	0.01	0.04	0.01	**0.55**		4.5%	21.2%	1.4%	7.6%	1.1%	100.0%
40			163		5	0.03	0.20	0.00	0.01	0.01	**0.72**		4.2%	27.9%	0.6%	1.8%	0.7%	100.0%
41			164		5	0.03	0.24	0.01	0.03	0.01	**0.82**		3.8%	28.8%	0.7%	3.3%	0.7%	100.0%
42			165		5	0.02	0.16	0.00	0.04	0.01	**0.60**		3.3%	26.0%	0.3%	6.3%	1.2%	100.0%
43			0	128	2	0.01	0.08	0.00	0.02	0.00	**0.34**		2.6%	23.0%	0.6%	6.7%	0.9%	100.0%
44			2	130	2	0.01	0.09	0.00	0.03	0.00	**0.37**		2.2%	25.0%	0.5%	6.8%	0.8%	100.0%
45			4	132	2	0.01	0.08	0.00	0.03	0.00	**0.39**		3.4%	20.9%	0.5%	7.0%	1.0%	100.0%
46			6	134	2	0.01	0.09	0.00	0.01	0.01	**0.33**		2.8%	26.9%	0.6%	4.0%	1.5%	100.0%
47			8	136	2	0.01	0.08	0.00	0.01	0.00	**0.33**		1.5%	24.6%	0.6%	4.3%	0.6%	100.0%
48			10	138	4	0.03	0.16	0.01	0.06	0.01	**0.55**		4.5%	28.0%	1.3%	10.3%	0.9%	100.0%
49			11	139	4	0.02	0.20	0.00	0.04	0.01	**0.75**		2.8%	26.7%	0.3%	5.7%	1.5%	100.0%
50			12	140	4	0.02	0.20	0.00	0.05	0.01	**0.66**		2.9%	30.3%	0.5%	6.8%	0.8%	100.0%
51			13	141	4	0.03	0.19	0.01	0.08	0.01	**0.69**		3.7%	26.9%	0.7%	12.0%	1.0%	100.0%
52			18	146	4	0.02	0.20	0.01	0.04	0.01	**0.69**		2.7%	29.4%	0.7%	5.8%	1.3%	100.0%
53			19	147	4	0.02	0.17	0.00	0.03	0.01	**0.69**		2.9%	25.1%	0.1%	4.9%	1.5%	100.0%
54			20	148	4	0.02	0.12	0.00	0.05	0.01	**0.47**		3.6%	25.9%	0.9%	10.3%	1.1%	100.0%
55			24	152	10	0.09	0.53	0.03	0.29	0.02	**1.66**		5.4%	31.9%	1.6%	17.2%	1.4%	100.0%
56			25	153	10	0.08	0.55	0.01	0.04	0.02	**1.57**		5.3%	35.2%	0.5%	2.6%	1.5%	100.0%
57			26	154	10	0.08	0.57	0.01	0.05	0.03	**1.54**		5.3%	36.9%	0.7%	3.3%	1.7%	100.0%
58			27	155	10	0.06	0.49	0.01	0.13	0.02	**1.61**		3.8%	30.2%	0.4%	8.1%	1.0%	100.0%
59			28	156	10	0.08	0.68	0.01	0.10	0.03	**1.73**		4.7%	39.1%	0.5%	5.9%	1.5%	100.0%
60			34	162	10	0.07	0.66	0.02	0.17	0.03	**1.71**		4.1%	38.7%	1.2%	9.9%	1.6%	100.0%
61			35	163	10	0.08	0.54	0.01	0.03	0.03	**1.66**		4.6%	32.5%	0.4%	2.1%	1.6%	100.0%
62			36	164	10	0.07	0.52	0.01	0.09	0.02	**1.58**		4.1%	33.1%	0.7%	5.9%	1.2%	100.0%
63			37	165	10	0.08	0.56	0.00	0.12	0.02	**1.58**		4.9%	35.5%	0.3%	7.3%	1.0%	100.0%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
						max ratio out of all beams	70.2%	5.3%	26.9%	1.8%	9.9%	1.3%	70.2%
1	0.00	0.02	0.00	0.01	0.00	**0.07**	43.0%	2.0%	12.6%	0.7%	4.0%	0.7%	43.0%
2	0.00	0.02	0.00	0.01	0.00	**0.06**	39.6%	1.3%	13.8%	0.6%	3.8%	0.6%	39.6%
3	0.00	0.02	0.00	0.01	0.00	**0.08**	42.9%	1.6%	10.9%	0.5%	6.0%	0.5%	42.9%
4	0.00	0.02	0.00	0.01	0.00	**0.07**	46.5%	2.1%	15.3%	0.0%	3.5%	0.7%	46.5%
5	0.00	0.01	0.00	0.01	0.00	**0.07**	41.5%	1.2%	8.5%	0.6%	3.7%	0.0%	41.5%
6	0.01	0.06	0.00	0.01	0.00	**0.18**	49.5%	1.9%	16.6%	0.5%	3.8%	0.5%	49.5%
7	0.01	0.07	0.00	0.01	0.00	**0.21**	59.1%	2.8%	20.2%	0.3%	3.3%	0.8%	59.1%
8	0.01	0.04	0.00	0.02	0.00	**0.14**	58.4%	2.1%	16.0%	0.4%	7.6%	0.4%	58.4%
9	0.01	0.04	0.00	0.03	0.00	**0.15**	40.5%	2.2%	11.6%	0.8%	7.6%	0.5%	40.5%
10	0.01	0.05	0.00	0.02	0.00	**0.18**	48.8%	1.9%	13.7%	0.5%	4.7%	0.5%	48.8%
11	0.01	0.06	0.00	0.01	0.00	**0.16**	58.1%	3.3%	21.1%	0.0%	3.0%	0.7%	58.1%
12	0.01	0.04	0.00	0.02	0.00	**0.14**	50.7%	1.8%	12.9%	0.4%	7.9%	0.7%	50.7%
13	0.03	0.16	0.01	0.09	0.01	**0.63**	65.6%	3.0%	17.0%	0.9%	9.1%	0.7%	65.6%
14	0.03	0.23	0.00	0.01	0.01	**0.55**	64.4%	3.6%	26.9%	0.1%	0.6%	1.3%	64.4%
15	0.03	0.15	0.00	0.01	0.00	**0.38**	60.9%	4.0%	24.4%	0.5%	1.6%	0.6%	60.9%
16	0.01	0.09	0.00	0.04	0.01	**0.20**	53.5%	3.7%	24.3%	0.5%	9.9%	1.3%	53.5%
17	0.03	0.13	0.00	0.03	0.00	**0.52**	65.5%	3.7%	17.0%	0.4%	4.2%	0.4%	65.5%
18	0.03	0.20	0.01	0.05	0.01	**0.65**	65.5%	2.7%	20.4%	0.7%	5.1%	0.7%	65.5%
19	0.03	0.21	0.00	0.01	0.01	**0.49**	63.0%	3.6%	26.5%	0.3%	0.9%	1.2%	63.0%
20	0.01	0.11	0.00	0.03	0.00	**0.23**	54.7%	3.1%	26.9%	0.5%	6.2%	0.7%	54.7%
21	0.03	0.11	0.00	0.03	0.00	**0.40**	62.1%	4.4%	17.6%	0.2%	4.1%	0.3%	62.1%
22	0.00	0.01	0.00	0.01	0.00	**0.07**	43.0%	2.0%	8.6%	0.7%	4.6%	0.7%	43.0%
23	0.00	0.02	0.00	0.00	0.00	**0.07**	41.0%	1.9%	9.9%	0.0%	2.5%	0.6%	41.0%
24	0.00	0.01	0.00	0.01	0.00	**0.07**	47.1%	1.9%	8.3%	0.6%	3.2%	0.6%	47.1%
25	0.00	0.02	0.00	0.00	0.00	**0.06**	42.1%	2.1%	11.0%	0.7%	2.1%	0.7%	42.1%
26	0.00	0.01	0.00	0.00	0.00	**0.07**	51.2%	1.6%	10.9%	0.8%	2.3%	0.8%	51.2%
27	0.01	0.02	0.00	0.01	0.00	**0.09**	35.9%	3.4%	9.7%	1.3%	5.5%	0.4%	35.9%
28	0.01	0.04	0.00	0.01	0.00	**0.18**	50.6%	2.2%	11.9%	0.3%	2.5%	0.3%	50.6%
29	0.01	0.05	0.00	0.01	0.00	**0.19**	54.5%	1.7%	14.2%	0.3%	1.4%	0.3%	54.5%
30	0.01	0.03	0.00	0.02	0.00	**0.12**	45.9%	2.4%	10.6%	0.8%	6.3%	0.4%	45.9%
31	0.01	0.04	0.00	0.01	0.00	**0.14**	49.0%	2.4%	14.2%	0.7%	1.7%	0.3%	49.0%
32	0.01	0.05	0.00	0.01	0.00	**0.18**	48.5%	2.2%	12.5%	0.0%	2.7%	0.3%	48.5%
33	0.00	0.03	0.00	0.01	0.00	**0.12**	50.8%	1.7%	11.0%	0.8%	4.2%	0.4%	50.8%
34	0.03	0.05	0.01	0.05	0.00	**0.29**	58.7%	5.3%	10.2%	1.8%	9.4%	0.6%	58.7%
35	0.02	0.08	0.00	0.01	0.00	**0.33**	56.4%	2.7%	14.3%	0.5%	1.4%	0.7%	56.4%
36	0.03	0.17	0.00	0.02	0.01	**0.46**	52.9%	3.6%	20.0%	0.3%	1.7%	0.7%	52.9%
37	0.02	0.12	0.00	0.02	0.00	**0.49**	64.8%	2.1%	16.4%	0.1%	2.5%	0.4%	64.8%
38	0.02	0.12	0.00	0.02	0.01	**0.35**	57.6%	3.3%	19.5%	0.3%	3.9%	1.0%	57.6%
39	0.02	0.07	0.01	0.02	0.00	**0.32**	57.4%	4.2%	13.0%	1.1%	4.2%	0.5%	57.4%
40	0.02	0.13	0.00	0.01	0.00	**0.41**	57.4%	2.9%	17.6%	0.4%	1.4%	0.4%	57.4%
41	0.03	0.16	0.01	0.02	0.00	**0.47**	57.4%	3.2%	19.2%	0.6%	2.4%	0.4%	57.4%
42	0.02	0.09	0.00	0.02	0.00	**0.37**	61.6%	3.0%	15.5%	0.2%	3.3%	0.7%	61.6%
43	0.01	0.05	0.00	0.02	0.00	**0.15**	44.5%	2.0%	13.7%	0.6%	5.5%	0.6%	44.5%
44	0.01	0.05	0.00	0.01	0.00	**0.14**	38.9%	1.6%	14.4%	0.5%	3.3%	0.5%	38.9%
45	0.01	0.04	0.00	0.02	0.00	**0.16**	42.4%	2.1%	10.3%	0.5%	5.4%	0.5%	42.4%
46	0.01	0.05	0.00	0.01	0.00	**0.14**	43.4%	2.1%	15.6%	0.6%	2.8%	0.9%	43.4%
47	0.00	0.05	0.00	0.01	0.00	**0.14**	41.0%	1.2%	14.6%	0.3%	3.3%	0.3%	41.0%
48	0.02	0.10	0.01	0.03	0.00	**0.28**	50.0%	3.4%	18.1%	1.1%	6.0%	0.5%	50.0%
49	0.02	0.13	0.00	0.02	0.01	**0.43**	57.0%	2.4%	17.0%	0.3%	3.2%	0.9%	57.0%
50	0.02	0.12	0.00	0.03	0.00	**0.37**	55.4%	2.4%	18.8%	0.3%	3.9%	0.5%	55.4%
51	0.02	0.10	0.01	0.05	0.00	**0.28**	40.3%	2.4%	13.8%	0.7%	7.2%	0.6%	40.3%
52	0.01	0.12	0.00	0.03	0.01	**0.35**	51.0%	2.0%	16.7%	0.6%	4.0%	0.7%	51.0%
53	0.02	0.11	0.00	0.02	0.01	**0.37**	53.4%	2.5%	16.3%	0.1%	3.5%	0.9%	53.4%
54	0.01	0.08	0.00	0.04	0.00	**0.24**	50.3%	2.8%	16.1%	0.6%	7.9%	0.6%	50.3%
55	0.08	0.33	0.02	0.16	0.01	**1.14**	68.6%	4.5%	20.0%	1.3%	9.4%	0.8%	68.6%
56	0.06	0.37	0.01	0.02	0.02	**1.06**	67.6%	4.0%	23.5%	0.4%	1.3%	1.0%	67.6%
57	0.07	0.40	0.01	0.04	0.02	**1.00**	65.1%	4.6%	26.3%	0.6%	2.5%	1.1%	65.1%
58	0.05	0.33	0.01	0.07	0.01	**0.94**	58.5%	3.0%	20.3%	0.3%	4.5%	0.6%	58.5%
59	0.07	0.42	0.01	0.08	0.02	**1.01**	58.7%	3.8%	24.4%	0.3%	4.5%	0.9%	58.7%
60	0.06	0.44	0.02	0.08	0.02	**1.20**	70.2%	3.3%	25.4%	1.1%	4.8%	1.0%	70.2%
61	0.06	0.36	0.01	0.03	0.02	**1.11**	67.0%	3.6%	21.9%	0.4%	1.6%	1.1%	67.0%
62	0.05	0.36	0.01	0.06	0.01	**0.86**	54.3%	3.3%	22.8%	0.6%	3.5%	0.7%	54.3%
63	0.07	0.36	0.00	0.07	0.01	**0.94**	59.5%	4.1%	22.8%	0.1%	4.2%	0.6%	59.5%

- K–patch High CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
												max ratio out of all beams	8.7%	33.8%	2.0%	15.3%	1.5%	100.0%
1			0		1	0.01	0.03	0.00	0.01	0.00	**0.19**		3.2%	17.6%	0.5%	4.8%	0.5%	100.0%
2			2		1	0.01	0.03	0.00	0.02	0.00	**0.19**		2.7%	14.6%	0.5%	9.2%	0.5%	100.0%
3			4		1	0.01	0.03	0.00	0.01	0.00	**0.20**		2.5%	17.0%	0.5%	5.0%	0.5%	100.0%
4			6		1	0.01	0.03	0.00	0.01	0.00	**0.18**		2.8%	16.2%	0.6%	4.5%	0.6%	100.0%
5			8		1	0.00	0.03	0.00	0.01	0.00	**0.19**		2.1%	16.4%	0.5%	3.7%	0.5%	100.0%
6			10		2	0.02	0.07	0.00	0.04	0.00	**0.39**		3.9%	17.1%	0.8%	9.9%	0.5%	100.0%
7			11		2	0.01	0.08	0.00	0.02	0.00	**0.41**		3.2%	20.1%	0.5%	4.2%	0.7%	100.0%
8			12		2	0.01	0.06	0.00	0.02	0.00	**0.34**		4.1%	18.8%	0.3%	5.6%	0.6%	100.0%
9			13		2	0.01	0.07	0.00	0.05	0.00	**0.40**		2.5%	18.5%	0.8%	12.4%	0.8%	100.0%
10			18		2	0.01	0.06	0.00	0.02	0.00	**0.36**		2.2%	16.2%	0.8%	5.9%	0.6%	100.0%
11			19		2	0.02	0.07	0.00	0.01	0.00	**0.36**		4.7%	20.1%	0.3%	1.7%	0.3%	100.0%
12			20		2	0.01	0.06	0.00	0.02	0.00	**0.36**		3.1%	17.8%	0.6%	6.4%	0.6%	100.0%
13			24		5	0.02	0.18	0.01	0.13	0.01	**0.83**		2.9%	22.3%	1.7%	15.3%	1.3%	100.0%
14			25		5	0.07	0.21	0.00	0.01	0.01	**0.98**		7.4%	21.2%	0.3%	1.3%	1.0%	100.0%
15			26		5	0.06	0.16	0.00	0.01	0.00	**0.79**		7.4%	19.9%	0.4%	1.8%	0.3%	100.0%
16			27		5	0.07	0.16	0.00	0.03	0.00	**0.75**		8.7%	20.8%	0.1%	4.1%	0.5%	100.0%
17			28		5	0.03	0.20	0.00	0.06	0.01	**0.74**		4.6%	27.3%	0.3%	8.7%	1.2%	100.0%
18			34		5	0.03	0.19	0.01	0.05	0.01	**0.82**		3.8%	23.4%	1.2%	5.7%	1.3%	100.0%
19			35		5	0.08	0.19	0.00	0.01	0.01	**0.97**		7.8%	19.3%	0.2%	0.8%	0.8%	100.0%
20			36		5	0.06	0.17	0.00	0.03	0.00	**0.71**		7.8%	23.6%	0.1%	4.0%	0.4%	100.0%
21			37		5	0.05	0.16	0.00	0.03	0.01	**0.75**		6.3%	20.6%	0.5%	4.1%	0.7%	100.0%
22			128		1	0.00	0.03	0.00	0.01	0.00	**0.16**		2.5%	16.3%	0.6%	8.8%	0.6%	100.0%
23			130		1	0.00	0.03	0.00	0.01	0.00	**0.20**		2.0%	14.8%	0.5%	4.9%	0.5%	100.0%
24			132		1	0.00	0.03	0.00	0.01	0.00	**0.22**		1.8%	14.6%	0.5%	5.0%	0.5%	100.0%
25			134		1	0.00	0.03	0.00	0.01	0.00	**0.20**		1.5%	15.7%	0.5%	3.0%	0.5%	100.0%
26			136		1	0.00	0.03	0.00	0.00	0.00	**0.15**		2.0%	18.5%	0.7%	2.0%	0.0%	100.0%
27			138		2	0.01	0.06	0.00	0.03	0.00	**0.43**		1.9%	14.8%	0.9%	6.8%	0.5%	100.0%
28			139		2	0.01	0.08	0.00	0.01	0.00	**0.32**		2.5%	23.3%	0.3%	2.8%	0.9%	100.0%
29			140		2	0.01	0.09	0.00	0.01	0.00	**0.37**		1.6%	25.3%	0.5%	2.7%	0.5%	100.0%
30			141		2	0.01	0.06	0.00	0.04	0.00	**0.38**		3.4%	15.1%	0.8%	10.2%	0.5%	100.0%
31			146		2	0.01	0.08	0.00	0.01	0.00	**0.35**		2.3%	23.0%	0.3%	2.0%	0.6%	100.0%
32	K	Patch	147		2	0.01	0.08	0.00	0.01	0.00	**0.33**		2.7%	23.6%	0.3%	3.0%	0.9%	100.0%
33			148		2	0.01	0.05	0.00	0.02	0.00	**0.35**		1.7%	15.1%	0.9%	4.8%	0.3%	100.0%
34			152		5	0.03	0.17	0.02	0.09	0.00	**0.88**		2.9%	19.7%	1.9%	10.2%	0.5%	100.0%
35			153		5	0.03	0.22	0.00	0.01	0.01	**0.89**		3.0%	24.3%	0.3%	1.5%	0.6%	100.0%
36			154		5	0.03	0.23	0.00	0.02	0.01	**0.69**		4.1%	32.8%	0.4%	2.6%	1.3%	100.0%
37			155		5	0.02	0.19	0.00	0.03	0.00	**0.76**		3.0%	25.1%	0.4%	4.0%	0.4%	100.0%
38			156		5	0.03	0.22	0.00	0.09	0.01	**0.92**		3.7%	24.2%	0.2%	10.1%	0.9%	100.0%
39			162		5	0.03	0.22	0.01	0.05	0.01	**0.96**		2.8%	23.2%	1.4%	4.8%	0.6%	100.0%
40			163		5	0.03	0.21	0.00	0.02	0.01	**0.76**		3.8%	27.2%	0.3%	2.4%	0.7%	100.0%
41			164		5	0.02	0.22	0.01	0.02	0.01	**0.65**		3.4%	33.8%	0.9%	2.6%	1.2%	100.0%
42			165		5	0.03	0.27	0.00	0.04	0.01	**1.00**		2.8%	27.1%	0.2%	4.1%	0.6%	100.0%
43			0	128	2	0.01	0.07	0.00	0.03	0.00	**0.39**		2.8%	17.9%	0.5%	7.0%	0.5%	100.0%
44			2	130	2	0.01	0.06	0.00	0.04	0.00	**0.41**		2.7%	15.4%	0.5%	8.8%	0.5%	100.0%
45			4	132	2	0.01	0.08	0.00	0.03	0.00	**0.46**		2.4%	16.4%	0.7%	7.0%	0.7%	100.0%
46			6	134	2	0.01	0.07	0.00	0.02	0.00	**0.41**		2.2%	16.9%	0.5%	4.3%	0.7%	100.0%
47			8	136	2	0.01	0.07	0.00	0.01	0.00	**0.37**		2.2%	17.7%	0.5%	3.8%	0.3%	100.0%
48			10	138	4	0.03	0.15	0.01	0.10	0.01	**0.80**		3.4%	19.1%	1.0%	12.8%	0.8%	100.0%
49			11	139	4	0.02	0.19	0.00	0.03	0.01	**0.73**		3.3%	25.3%	0.4%	4.7%	0.8%	100.0%
50			12	140	4	0.03	0.19	0.00	0.04	0.00	**0.76**		3.7%	24.6%	0.3%	5.4%	0.5%	100.0%
51			13	141	4	0.04	0.17	0.01	0.10	0.01	**0.83**		4.4%	20.9%	0.8%	11.9%	1.1%	100.0%
52			18	146	4	0.02	0.17	0.01	0.04	0.01	**0.74**		2.9%	23.4%	0.7%	5.4%	0.8%	100.0%
53			19	147	4	0.03	0.18	0.00	0.02	0.01	**0.73**		4.5%	24.3%	0.1%	3.0%	0.8%	100.0%
54			20	148	4	0.02	0.11	0.01	0.05	0.01	**0.59**		2.9%	19.3%	0.9%	8.5%	0.9%	100.0%
55			24	152	10	0.06	0.47	0.04	0.29	0.02	**2.01**		3.1%	23.2%	2.0%	14.3%	1.1%	100.0%
56			25	153	10	0.11	0.53	0.01	0.03	0.02	**2.03**		5.4%	26.1%	0.5%	1.5%	1.1%	100.0%
57			26	154	10	0.13	0.39	0.01	0.04	0.01	**1.52**		8.4%	25.9%	0.6%	2.8%	0.9%	100.0%
58			27	155	10	0.11	0.43	0.01	0.09	0.01	**1.84**		5.7%	23.3%	0.3%	4.9%	0.5%	100.0%
59			28	156	10	0.10	0.57	0.00	0.17	0.03	**1.97**		4.9%	29.2%	0.2%	8.5%	1.5%	100.0%
60			34	162	10	0.08	0.54	0.03	0.13	0.03	**1.98**		4.0%	27.2%	1.3%	6.3%	1.4%	100.0%
61			35	163	10	0.13	0.41	0.01	0.03	0.02	**1.90**		6.9%	21.6%	0.3%	1.5%	1.1%	100.0%
62			36	164	10	0.09	0.47	0.01	0.06	0.02	**1.64**		5.6%	28.5%	0.6%	3.5%	1.0%	100.0%
63			37	165	10	0.09	0.53	0.01	0.12	0.02	**2.07**		4.4%	25.8%	0.3%	5.9%	1.0%	100.0%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
						max ratio out of all beams	72.5%	7.1%	23.4%	1.7%	8.8%	0.9%	72.5%
1	0.01	0.02	0.00	0.01	0.00	**0.09**	47.3%	2.7%	10.6%	0.5%	3.7%	0.0%	47.3%
2	0.00	0.01	0.00	0.01	0.00	**0.09**	48.1%	2.2%	7.6%	0.5%	4.9%	0.5%	48.1%
3	0.00	0.02	0.00	0.01	0.00	**0.10**	50.5%	2.0%	8.5%	0.5%	4.0%	0.5%	50.5%
4	0.00	0.02	0.00	0.01	0.00	**0.09**	50.3%	2.2%	8.9%	0.6%	2.8%	0.6%	50.3%
5	0.00	0.02	0.00	0.01	0.00	**0.09**	48.1%	2.1%	9.5%	0.5%	2.6%	0.0%	48.1%
6	0.01	0.04	0.00	0.02	0.00	**0.20**	51.2%	3.1%	10.6%	0.5%	6.0%	0.3%	51.2%
7	0.01	0.05	0.00	0.01	0.00	**0.25**	61.4%	2.5%	11.8%	0.5%	2.5%	0.5%	61.4%
8	0.01	0.04	0.00	0.01	0.00	**0.22**	63.0%	3.2%	11.4%	0.3%	3.8%	0.3%	63.0%
9	0.01	0.04	0.00	0.03	0.00	**0.15**	38.2%	2.0%	10.1%	0.8%	8.4%	0.5%	38.2%
10	0.01	0.04	0.00	0.01	0.00	**0.20**	54.5%	1.7%	9.8%	0.8%	3.9%	0.3%	54.5%
11	0.01	0.05	0.00	0.00	0.00	**0.25**	68.9%	3.6%	13.2%	0.0%	1.1%	0.3%	68.9%
12	0.01	0.04	0.00	0.02	0.00	**0.19**	53.5%	2.5%	9.7%	0.3%	4.2%	0.3%	53.5%
13	0.02	0.13	0.01	0.07	0.01	**0.56**	68.1%	2.4%	15.3%	1.5%	8.2%	0.6%	68.1%
14	0.06	0.16	0.00	0.01	0.01	**0.70**	71.1%	5.7%	16.0%	0.2%	0.5%	0.6%	71.1%
15	0.05	0.12	0.00	0.01	0.00	**0.54**	68.8%	5.8%	15.2%	0.3%	1.3%	0.1%	68.8%
16	0.05	0.11	0.00	0.02	0.00	**0.48**	63.7%	7.1%	14.8%	0.1%	2.4%	0.3%	63.7%
17	0.03	0.13	0.00	0.05	0.01	**0.49**	66.8%	3.7%	18.2%	0.1%	6.6%	0.7%	66.8%
18	0.02	0.14	0.01	0.02	0.01	**0.58**	71.0%	2.9%	16.6%	1.0%	2.8%	0.7%	71.0%
19	0.06	0.14	0.00	0.01	0.01	**0.68**	70.3%	6.0%	14.6%	0.2%	0.7%	0.5%	70.3%
20	0.04	0.12	0.00	0.02	0.00	**0.48**	67.7%	6.2%	17.2%	0.1%	2.3%	0.3%	67.7%
21	0.04	0.11	0.00	0.02	0.00	**0.51**	67.6%	5.2%	14.4%	0.4%	2.9%	0.4%	67.6%
22	0.00	0.02	0.00	0.01	0.00	**0.06**	38.8%	1.9%	9.4%	0.6%	6.3%	0.0%	38.8%
23	0.00	0.02	0.00	0.01	0.00	**0.08**	40.4%	1.0%	7.9%	0.5%	3.0%	0.5%	40.4%
24	0.00	0.02	0.00	0.01	0.00	**0.09**	40.2%	1.4%	7.8%	0.5%	4.1%	0.5%	40.2%
25	0.00	0.02	0.00	0.01	0.00	**0.07**	36.9%	1.0%	7.6%	0.5%	2.5%	0.0%	36.9%
26	0.00	0.02	0.00	0.00	0.00	**0.07**	49.0%	1.3%	10.6%	0.7%	2.0%	0.0%	49.0%
27	0.01	0.04	0.00	0.03	0.00	**0.18**	42.1%	1.4%	8.5%	0.7%	5.9%	0.2%	42.1%
28	0.01	0.04	0.00	0.01	0.00	**0.16**	50.0%	1.9%	13.4%	0.3%	2.2%	0.6%	50.0%
29	0.01	0.05	0.00	0.01	0.00	**0.20**	53.9%	1.3%	14.0%	0.3%	1.6%	0.3%	53.9%
30	0.01	0.03	0.00	0.03	0.00	**0.16**	40.9%	1.8%	8.3%	0.5%	7.3%	0.3%	40.9%
31	0.01	0.05	0.00	0.01	0.00	**0.20**	57.7%	1.7%	13.4%	0.3%	1.4%	0.3%	57.7%
32	0.01	0.05	0.00	0.01	0.00	**0.17**	50.3%	2.1%	13.9%	0.3%	2.1%	0.6%	50.3%
33	0.01	0.03	0.00	0.01	0.00	**0.16**	44.3%	1.4%	7.7%	0.9%	4.0%	0.3%	44.3%
34	0.02	0.10	0.02	0.04	0.00	**0.55**	62.5%	2.2%	11.2%	1.7%	4.9%	0.3%	62.5%
35	0.02	0.14	0.00	0.01	0.00	**0.50**	56.0%	2.4%	15.5%	0.2%	0.8%	0.3%	56.0%
36	0.02	0.16	0.00	0.01	0.01	**0.37**	54.0%	3.2%	22.6%	0.3%	1.9%	0.9%	54.0%
37	0.02	0.12	0.00	0.02	0.00	**0.46**	60.4%	2.2%	15.9%	0.3%	2.1%	0.3%	60.4%
38	0.03	0.13	0.00	0.08	0.00	**0.56**	60.7%	3.3%	14.1%	0.2%	8.1%	0.4%	60.7%
39	0.02	0.13	0.01	0.03	0.00	**0.59**	61.8%	2.1%	13.6%	1.1%	2.7%	0.4%	61.8%
40	0.02	0.14	0.00	0.02	0.00	**0.45**	59.1%	2.9%	18.3%	0.3%	2.0%	0.4%	59.1%
41	0.02	0.15	0.01	0.01	0.01	**0.36**	55.3%	2.5%	23.4%	0.8%	1.7%	0.8%	55.3%
42	0.02	0.17	0.00	0.03	0.00	**0.58**	57.8%	2.2%	17.2%	0.1%	2.6%	0.3%	57.8%
43	0.01	0.04	0.00	0.02	0.00	**0.17**	43.0%	2.3%	10.1%	0.5%	5.4%	0.3%	43.0%
44	0.01	0.03	0.00	0.02	0.00	**0.18**	45.0%	1.7%	8.1%	0.5%	4.4%	0.2%	45.0%
45	0.01	0.04	0.00	0.03	0.00	**0.20**	44.0%	1.5%	9.0%	0.7%	5.7%	0.4%	44.0%
46	0.01	0.04	0.00	0.01	0.00	**0.18**	44.0%	1.9%	9.7%	0.5%	3.1%	0.5%	44.0%
47	0.01	0.04	0.00	0.01	0.00	**0.17**	47.3%	1.6%	10.1%	0.5%	3.0%	0.3%	47.3%
48	0.02	0.09	0.01	0.07	0.00	**0.40**	50.5%	2.8%	11.6%	0.9%	8.8%	0.5%	50.5%
49	0.02	0.11	0.00	0.02	0.00	**0.43**	58.9%	2.5%	15.2%	0.4%	2.5%	0.5%	58.9%
50	0.02	0.11	0.00	0.03	0.00	**0.42**	56.1%	2.9%	14.9%	0.3%	4.0%	0.3%	56.1%
51	0.02	0.10	0.01	0.07	0.01	**0.35**	42.1%	2.6%	11.4%	0.7%	8.4%	0.6%	42.1%
52	0.02	0.10	0.00	0.03	0.00	**0.45**	60.5%	2.2%	13.5%	0.5%	3.5%	0.4%	60.5%
53	0.03	0.12	0.00	0.01	0.00	**0.42**	58.2%	3.4%	16.4%	0.1%	1.9%	0.6%	58.2%
54	0.01	0.07	0.00	0.04	0.00	**0.28**	48.0%	2.4%	11.8%	0.7%	6.3%	0.5%	48.0%
55	0.05	0.29	0.03	0.16	0.01	**1.39**	69.2%	2.7%	14.5%	1.7%	7.8%	0.7%	69.2%
56	0.08	0.35	0.01	0.02	0.02	**1.39**	68.8%	4.0%	17.4%	0.4%	0.8%	0.7%	68.8%
57	0.10	0.28	0.01	0.03	0.01	**0.97**	63.8%	6.7%	18.1%	0.5%	2.2%	0.6%	63.8%
58	0.08	0.30	0.01	0.05	0.01	**1.14**	61.8%	4.5%	16.1%	0.3%	2.6%	0.3%	61.8%
59	0.08	0.36	0.00	0.14	0.02	**1.27**	64.6%	4.3%	18.1%	0.2%	7.1%	0.9%	64.6%
60	0.06	0.34	0.02	0.06	0.02	**1.43**	72.5%	2.8%	17.3%	1.1%	3.0%	0.9%	72.5%
61	0.10	0.28	0.01	0.02	0.01	**1.31**	69.3%	5.2%	14.9%	0.3%	1.3%	0.7%	69.3%
62	0.07	0.34	0.01	0.02	0.01	**1.02**	62.3%	4.4%	20.9%	0.5%	1.5%	0.6%	62.3%
63	0.07	0.35	0.01	0.09	0.01	**1.24**	59.9%	3.5%	17.1%	0.2%	4.1%	0.6%	59.9%

3.1.2 Ant M – Patch Antenna

Table 5 & Table 6 & Table 7 show the PD simulation evaluation of Ant M patch antenna at 24GHz / 28GHz / 39GHz for the corresponding evaluation planes specified in Table 1. As shown, a per beam back-off for TER analysis is added to Table 5 (28 GHz Ant. M). This back-off is originated by the 2mm/10mm PD worst ratio which is used for TER calculation of 'Hotspot' condition of folder closed status. If the ratio is large, the *input.power.limit* of this model should be decreased large enough to meet the TER analysis. To avoid the large back-off, therefore, the per beam back-off is adopted and the back-off are applied to several beam IDs in Table 5 to meet the worst surface conditions that satisfying the 'Hotspot' TER analysis.

Table 5. PD of Ant M – patch antenna (24GHz – n258)

[Folder Open Status]

- M–patch Low CH

						max ratio out of all beams							4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
						4cm2 PD(mW/cm2)							100.0%	1.6%	49.4%	1.2%	78.5%	100.0%	4cm2 PD(mW/cm2) at 10mm evaluation distance						66.8%	60.5%	1.4%	25.4%	1.1%	41.7%	66.8%
No.	Module	Type	Beam ID_1	Beam ID_2	Feed no.	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Front 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm)/(mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
64			1		1	0.07	0.00	0.01	0.00	0.04	0.10		69.2%	1.3%	8.7%	0.0%	66.5%	100.0%	0.03	0.00	0.01	0.00	0.01	0.04	42.3%	30.8%	1.0%	6.8%	0.0%	33.5%	42.3%
65			3		1	0.12	0.00	0.01	0.00	0.08	0.06		100.0%	0.7%	9.0%	0.7%	62.7%	43.3%	0.05	0.00	0.01	0.00	0.03	0.02	39.6%	39.6%	0.0%	6.0%	0.0%	21.8%	23.8%
66			5		1	0.15	0.00	0.01	0.00	0.10	0.07		100.0%	0.0%	7.4%	0.7%	68.5%	49.0%	0.06	0.00	0.01	0.00	0.04	0.04	40.9%	40.9%	0.0%	4.7%	0.0%	24.8%	24.8%
67			7		1	0.11	0.00	0.01	0.00	0.08	0.08		100.0%	0.0%	5.8%	0.0%	73.8%	73.7%	0.05	0.00	0.01	0.00	0.03	0.04	40.7%	40.7%	0.0%	5.6%	0.0%	29.0%	41.5%
68			9		1	0.10	0.00	0.02	0.00	0.07	0.08		100.0%	1.1%	15.8%	1.1%	72.6%	86.3%	0.05	0.00	0.01	0.00	0.03	0.04	48.4%	48.4%	1.1%	6.3%	0.0%	29.5%	44.2%
69			11		2	0.21	0.00	0.01	0.00	0.11	0.06		100.0%	0.5%	6.3%	0.5%	51.7%	44.4%	0.09	0.00	0.01	0.00	0.03	0.03	42.0%	42.0%	0.5%	4.4%	0.5%	16.1%	14.6%
70			13		2	0.26	0.00	0.02	0.00	0.16	0.21		100.0%	0.8%	7.4%	0.4%	61.7%	83.6%	0.12	0.00	0.01	0.00	0.06	0.09	45.7%	45.7%	0.8%	4.7%	0.4%	24.6%	35.2%
71			15		2	0.23	0.00	0.02	0.00	0.15	0.26		79.7%	1.1%	9.2%	0.4%	57.5%	100.0%	0.10	0.00	0.02	0.00	0.06	0.13	50.6%	36.4%	0.8%	5.7%	0.0%	22.6%	50.6%
72			17		2	0.26	0.00	0.04	0.00	0.19	0.11		100.0%	0.4%	14.1%	0.4%	78.7%	40.7%	0.14	0.00	0.02	0.00	0.08	0.05	51.3%	51.3%	0.4%	7.2%	0.0%	29.7%	17.5%
73			21		2	0.24	0.00	0.02	0.00	0.14	0.15		100.0%	0.4%	6.2%	0.4%	54.6%	59.9%	0.11	0.00	0.02	0.00	0.05	0.05	44.6%	44.6%	0.4%	4.5%	0.4%	21.1%	19.8%
74			22		2	0.24	0.00	0.02	0.00	0.16	0.26		91.5%	1.2%	8.5%	0.4%	62.3%	100.0%	0.11	0.00	0.01	0.00	0.07	0.13	48.1%	42.3%	0.8%	5.4%	0.4%	25.0%	48.1%
75			23		2	0.29	0.00	0.03	0.00	0.22	0.14		100.0%	0.7%	11.6%	0.3%	71.6%	47.2%	0.13	0.00	0.02	0.00	0.08	0.07	53.1%	53.1%	0.7%	5.8%	0.0%	31.8%	22.3%
76			25		2	0.23	0.00	0.06	0.00	0.14	0.16		100.0%	0.7%	15.0%	0.9%	61.6%	62.9%	0.26	0.00	0.03	0.00	0.14	0.13	46.6%	46.6%	0.5%	5.3%	0.7%	24.8%	24.8%
77			30		5	0.64	0.01	0.03	0.00	0.40	0.56		100.0%	1.1%	4.2%	0.3%	76.2%	86.2%	0.35	0.01	0.01	0.00	0.25	0.28	54.8%	54.8%	0.8%	2.2%	0.2%	38.4%	44.1%
78			31		5	0.58	0.01	0.05	0.00	0.55	0.70		97.0%	1.4%	6.4%	0.4%	76.5%	100.0%	0.41	0.01	0.02	0.00	0.29	0.41	61.0%	54.5%	1.1%	3.6%	0.2%	41.7%	61.0%
79			32		5	0.77	0.00	0.09	0.00	0.55	0.48		100.0%	0.5%	12.1%	0.3%	72.0%	62.2%	0.45	0.00	0.04	0.00	0.29	0.26	58.3%	58.3%	0.5%	5.5%	0.1%	37.2%	33.6%
80			33		5	0.75	0.00	0.15	0.00	0.53	0.23		100.0%	0.5%	19.7%	0.1%	69.8%	31.1%	0.43	0.00	0.06	0.00	0.26	0.12	52.0%	52.0%	0.4%	11.0%	0.1%	33.9%	16.0%
81			38		5	0.61	0.00	0.05	0.00	0.39	0.39		100.0%	0.7%	7.8%	0.7%	63.4%	63.9%	0.29	0.00	0.02	0.00	0.17	0.17	47.8%	47.8%	0.5%	3.8%	0.5%	27.3%	27.3%
82			39		5	0.66	0.00	0.04	0.00	0.54	0.71		92.0%	1.6%	5.0%	0.1%	76.4%	100.0%	0.38	0.00	0.02	0.00	0.29	0.41	57.7%	53.2%	1.4%	2.4%	0.1%	40.3%	57.7%
83			40		5	0.72	0.01	0.04	0.00	0.56	0.63		100.0%	0.8%	6.6%	0.1%	77.8%	88.2%	0.44	0.01	0.02	0.00	0.30	0.39	60.5%	60.5%	0.8%	3.1%	0.1%	41.4%	54.0%
84			41		5	0.79	0.01	0.13	0.00	0.58	0.37		100.0%	0.4%	16.0%	0.1%	73.8%	47.1%	0.42	0.00	0.06	0.00	0.30	0.20	56.7%	56.7%	0.4%	8.5%	0.1%	37.4%	25.6%
85			129		1	0.16	0.00	0.02	0.00	0.03	0.18		88.6%	0.5%	12.5%	0.5%	14.7%	100.0%	0.06	0.00	0.02	0.00	0.01	0.10	53.8%	30.4%	0.5%	8.7%	0.5%	5.4%	53.8%
86			131		1	0.15	0.00	0.02	0.00	0.02	0.20		75.8%	0.0%	12.3%	1.0%	10.8%	100.0%	0.05	0.00	0.02	0.00	0.01	0.09	49.8%	27.2%	0.5%	7.2%	0.5%	3.6%	49.8%
87			133		1	0.17	0.00	0.02	0.00	0.02	0.22		78.3%	0.5%	10.6%	0.5%	6.3%	100.0%	0.06	0.00	0.02	0.00	0.01	0.09	49.9%	27.6%	0.5%	6.9%	0.5%	3.2%	49.9%
88			135		1	0.17	0.00	0.03	0.00	0.02	0.22		79.7%	0.5%	23.0%	0.5%	10.1%	100.0%	0.06	0.00	0.03	0.00	0.01	0.09	46.6%	25.8%	0.5%	13.8%	0.5%	4.1%	46.6%
89			137		1	0.08	0.00	0.07	0.00	0.01	0.15		56.4%	0.7%	43.6%	0.7%	6.7%	100.0%	0.02	0.00	0.03	0.00	0.01	0.07	45.8%	16.1%	0.7%	17.4%	0.7%	3.8%	45.8%
90			142		2	0.36	0.00	0.02	0.00	0.05	0.43		83.2%	0.2%	6.3%	0.7%	10.7%	100.0%	0.14	0.00	0.02	0.00	0.02	0.21	49.3%	31.5%	0.2%	5.5%	0.7%	4.2%	49.3%
91			143		2	0.35	0.00	0.02	0.00	0.04	0.50		80.9%	0.2%	3.0%	0.6%	9.0%	100.0%	0.17	0.00	0.01	0.00	0.02	0.29	57.4%	34.3%	0.2%	2.5%	0.4%	3.0%	57.4%
92			144		2	0.39	0.00	0.04	0.00	0.06	0.43		89.5%	0.2%	9.3%	0.2%	13.7%	100.0%	0.15	0.00	0.03	0.00	0.02	0.23	52.6%	35.8%	0.2%	6.9%	0.0%	4.7%	52.6%
93			145		2	0.27	0.00	0.21	0.00	0.03	0.43		62.4%	0.5%	49.4%	0.2%	8.0%	100.0%	0.09	0.00	0.11	0.00	0.01	0.23	46.8%	21.4%	0.5%	25.4%	0.2%	3.1%	46.8%
94			149		2	0.36	0.00	0.03	0.00	0.03	0.44		82.3%	0.2%	7.0%	0.7%	8.6%	100.0%	0.12	0.00	0.02	0.00	0.01	0.23	46.6%	28.0%	0.2%	3.4%	0.7%	3.2%	46.6%
95	M	Patch	150		2	0.42	0.00	0.06	0.00	0.03	0.56		71.0%	0.2%	11.3%	0.0%	5.4%	100.0%	0.18	0.00	0.04	0.00	0.01	0.27	48.7%	30.0%	0.2%	7.0%	0.0%	1.8%	48.7%
96			151		2	0.40	0.00	0.08	0.00	0.04	0.47		85.3%	0.2%	16.5%	0.4%	9.2%	100.0%	0.16	0.00	0.05	0.00	0.02	0.21	44.4%	33.3%	0.2%	9.8%	0.2%	3.6%	44.4%
97			157		5	1.03	0.00	0.06	0.01	0.12	1.16		88.4%	0.3%	4.5%	1.1%	10.1%	100.0%	0.41	0.00	0.02	0.01	0.05	0.62	53.3%	35.0%	0.2%	2.8%	1.0%	4.7%	53.3%
98			158		5	1.03	0.00	0.03	0.00	0.13	1.29		86.2%	0.2%	2.7%	0.2%	10.2%	100.0%	0.33	0.00	0.02	0.00	0.05	0.80	62.5%	41.7%	0.1%	1.6%	0.2%	4.7%	62.5%
99			159		4	0.82	0.00	0.07	0.00	0.05	1.07		76.8%	0.2%	6.3%	0.2%	4.3%	100.0%	0.45	0.00	0.03	0.00	0.02	0.67	63.0%	41.7%	0.2%	3.5%	0.2%	2.1%	63.0%
100			160		5	1.08	0.00	0.15	0.00	0.14	1.27		85.0%	0.2%	27.9%	0.1%	10.9%	100.0%	0.55	0.00	0.12	0.00	0.06	0.66	51.9%	43.0%	0.2%	17.2%	0.1%	4.3%	51.9%
101			161		5	1.18	0.00	0.12	0.00	0.18	1.32		80.3%	0.2%	39.1%	0.2%	13.8%	100.0%	0.56	0.00	0.31	0.00	0.07	0.66	58.1%	42.3%	0.1%	23.3%	0.2%	5.1%	58.1%
102			166		5	1.05	0.00	0.07	0.01	0.13	1.20		88.1%	0.2%	5.8%	0.4%	11.1%	100.0%	0.47	0.00	0.05	0.01	0.06	0.58	56.8%	38.9%	0.2%	3.8%	0.4%	5.4%	56.8%
103			167		5	0.95	0.00	0.09	0.00	0.08	1.16		82.3%	0.2%	7.4%	0.3%	9.6%	100.0%	0.50	0.00	0.04	0.00	0.03	0.77	66.8%	42.9%	0.2%	5.7%	0.3%	2.8%	66.8%
104			168		5	0.95	0.00	0.10	0.00	0.10	1.11		82.2%	0.2%	8.7%	0.5%	9.0%	100.0%	0.49	0.00	0.05	0.00	0.04	0.64	57.6%	44.5%	0.2%	6.5%	0.2%	3.9%	57.6%
105			169		5	1.13	0.00	0.42	0.00	0.14	1.33		84.9%	0.2%	31.4%	0.1%	10.8%	100.0%	0.56	0.00	0.25	0.00	0.06	0.67	50.6%	41.8%	0.1%	19.1%	0.1%	4.4%	50.6%
106		129	2	0.22	0.00	0.04	0.00	0.09	0.39		82.9%	0.5%	9.9%	0.8%	23.0%	100.0%	0.12	0.00	0.03	0.00	0.03	0.19	47.2%	30.4%	0.5%	7.1%	0.5%	8.2%	47.2%
107		131	2	0.34	0.00	0.04	0.00	0.14	0.31		100.0%	0.3%	11.0%	1.2%	41.3%	93.2%	0.12	0.00	0.03	0.00	0.05	0.13	38.7%	35.1%	0.3%	7.4%	0.9%	15.2%	38.7%
108		133	2	0.28	0.00	0.05	0.00	0.14	0.28		95.0%	0.3%	13.0%	0.5%	36.0%	100.0%	0.14	0.00	0.03	0.00	0.05	0.12	41.5%	36.0%	0.3%	7.5%	0.5%	12.7%	41.5%
109		135	2	0.32	0.00	0.06	0.00	0.15	0.39		82.2%	0.5%	16.0%	0.3%	29.8%	100.0%	0.12	0.00	0.04	0.00	0.05	0.15	47.6%	31.6%	0.5%	9.4%	0.3%	11.5%	47.6%
110		137	2	0.24	0.00	0.17	0.00	0.11	0.31		76.2%	0.6%	35.1%	0.6%	35.7%	100.0%	0.09	0.00	0.08	0.00	0.05	0.15	50.0%	25.2%	0.6%	18.2%	0.6%	9.6%	50.0%
111		142	4	0.58	0.00	0.07	0.01	0.21	0.68		85.3%	0.3%	9.5%	1.2%	30.1%	100.0%	0.23	0.00	0.04	0.01	0.08	0.32	46.8%	33.9%	0.3%	5.9%	0.9%	11.7%	46.8%
112		143	4	0.62	0.00	0.05	0.01	0.26	1.05		78.4%	0.4%	5.7%	0.5%	24.8%	100.0%	0.31	0.00	0.04	0.02	0.11	0.51	48.8%	29.5%	0.4%	3.8%	0.4%	10.0%	48.8%
113		144	4	0.57	0.00	0.09	0.00	0.27	0.80		100.0%	0.5%	10.6%	0.2%	42.4%	82.3%	0.36	0.00	0.06	0.00	0.14	0.37	42.8%	41.0%	0.3%	7.2%	0.1%	16.4%	42.8%
114		145	4	0.68	0.01	0.28	0.00	0.31	0.63		100.0%	0.7%	41.1%	0.3%	44.7%	92.7%	0.32	0.00	0.14	0.00	0.13	0.30	46.2%	46.2%	0.6%	19.9%	0.1%	15.2%	43.4%
115		149	4	0.52	0.00	0.06	0.01	0.21	0.57		91.4%	0.5%	10.7%	1.1%	36.2%	100.0%	0.19	0.00	0.04	0.01	0.09	0.26	48.3%	33.7%	0.4%	9.3%	1.1%	15.5%	48.3%
116		150	4	0.64	0.00	0.10	0.00	0.21	0.82		77.3%	0.5%	11.9%	0.1%	25.4%	100.0%	0.30	0.00	0.06	0.00	0.10	0.42	51.3%	36.7%	0.4%	7.2%	0.1%	12.0%	51.3%
117		151	4	0.60	0.01	0.15	0.00	0.35	0.69		100.0%	0.6%	19.2%	0.4%	43.9%	84.6%	0.38	0.00	0.09	0.00	0.15	0.30	47.2%	47.2%	0.5%	10.8%	0.4%	18.3%	37.8%
118		157	10	1.57	0.01	0.13	0.03	0.47	2.22		70.7%	0.5%	8.6%	1.2%	18.2%	100.0%	0.72	0.01	0.11	0.03	0.11	1.04	46.9%	32.6%	0.3%	5.0%	1.1%	13.8%	46.9%
119		158	10	1.58	0.02	0.09	0.02	0.83	2.02		63.0%	0.6%	8.6%	0.2%	21.2%	100.0%	0.83	0.00	0.06	0.02	0.41	1.48	56.0%	32.0%	0.4%	2.3%	0.2%	15.6%	56.0%
120		159	10	1.69	0.02	0.15	0.00	0.70	2.34		72.3%	0.9%	6.2%	0.2%	30.1%	100.0%	0.83	0.02	0.07	0.00	0.37	1.35	57.9%	38.0%	0.8%	2.8%	0.2%	15.6%	57.9%
121		160	10	2.02	0.01	0.48	0.02	1.13	2.10		100.0%	0.3%	38.6%	0.1%	43.9%	81.0%	1.46	0.01	0.33	0.02	0.54	1.08	56.2%	56.2%	0.3%	11.8%	0.1%	20.3%	40.0%
122		161	10	2.66	0.01	0.70	0.01	1.32	1.84		100.0%	0.2%	26.3%	0.2%	42.2%	69.1%	1.35	0.01	0.43	0.00	0.52	0.93	59.8%	50.8%	0.2%	16.2%	0.2%	19.4%	35.0%
123		169	10	1.83	0.01	0.18	0.01	0.76	2.32		70.4%	0.8%	7.8%	0.6%	33.6%	100.0%	0.73	0.01	0.11	0.01	0.36	1.16	56.0%	32.3%	0.3%	4.9%	0.6%	15.6%	56.0%
124		167	10	1.57	0.01	0.15	0.00	0.68	2.55		61.7%	0.4%	6.4%	0.3%	27.0%	100.0%	0.85	0.01	0.09	0.00	0.34	1.24	59.8%	24.4%	0.2%	2.4%	0.2%	14.5%	59.8%
125		168	10	2.20	0.01	0.14	0.00	1.01	2.28		96.4%	0.6%	6.1%	0.1%	44.4%	100.0%	1.22	0.01	0.07	0.00	0.52	1.24	54.3%	53.8%	0.5%	2.9%	0.1%	22.9%	54.3%
126		169	10	2.07	0.01	0.08	0.00	1.18	2.06		100.0%	0.3%	21.7%	0.1%	44.2%	77.0%	1.44	0.01	0.17	0.00	0.57	1.08	53.9%	53.9%	0.3%	13.8%	0.1%	21.2%	40.4%

- M–patch Mid CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)							max ratio out of all beams					
													100.0%	1.1%	47.2%	1.2%	84.0%	100.0%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
64			1		1	0.12	0.00	0.01	0.00	0.07	0.13		95.4%	0.8%	8.5%	0.0%	50.8%	100.0%
65			3		1	0.17	0.00	0.02	0.00	0.11	0.07		100.0%	0.6%	8.7%	0.6%	66.3%	37.8%
66			5		1	0.20	0.00	0.02	0.00	0.14	0.09		100.0%	0.5%	7.5%	0.0%	67.7%	44.8%
67			7		1	0.14	0.00	0.02	0.00	0.11	0.09		100.0%	0.7%	11.1%	0.0%	79.2%	61.8%
68			9		1	0.16	0.00	0.02	0.00	0.11	0.08		100.0%	0.6%	11.5%	0.6%	71.8%	50.0%
69			14		2	0.26	0.00	0.02	0.00	0.14	0.12		100.0%	0.4%	8.6%	0.4%	53.5%	44.9%
70			15		2	0.36	0.00	0.03	0.00	0.23	0.23		100.0%	0.6%	7.2%	0.3%	64.3%	63.0%
71			16		2	0.33	0.00	0.04	0.00	0.24	0.29		100.0%	0.6%	10.8%	0.3%	71.5%	87.1%
72			17		2	0.37	0.00	0.05	0.00	0.27	0.10		100.0%	0.5%	14.5%	0.3%	74.6%	28.4%
73			21		2	0.32	0.00	0.02	0.00	0.19	0.16		100.0%	0.3%	6.3%	0.3%	59.2%	50.3%
74			22		2	0.36	0.00	0.03	0.00	0.25	0.28		100.0%	0.6%	9.1%	0.3%	68.6%	77.1%
75			23		2	0.42	0.00	0.05	0.00	0.32	0.13		100.0%	0.5%	12.0%	0.2%	76.5%	30.9%
76			29		5	0.66	0.01	0.07	0.01	0.43	0.45		100.0%	0.8%	10.6%	0.8%	65.3%	68.3%
77			30		5	0.92	0.01	0.04	0.00	0.72	0.66		100.0%	0.7%	3.8%	0.2%	78.4%	71.3%
78			31		5	1.05	0.01	0.05	0.00	0.88	0.70		100.0%	1.1%	4.3%	0.1%	84.0%	66.4%
79			32		5	1.10	0.01	0.13	0.00	0.81	0.51		100.0%	0.5%	12.2%	0.2%	73.3%	46.2%
80			33		5	1.09	0.00	0.22	0.00	0.76	0.32		100.0%	0.4%	20.4%	0.2%	69.3%	28.9%
81			38		5	0.80	0.01	0.06	0.00	0.54	0.52		100.0%	0.6%	8.0%	0.5%	67.3%	64.7%
82			39		5	0.98	0.01	0.03	0.00	0.82	0.75		100.0%	1.0%	3.4%	0.1%	83.1%	76.1%
83			40		5	1.08	0.01	0.06	0.00	0.88	0.63		100.0%	0.8%	5.3%	0.1%	81.9%	58.4%
84			41		5	1.14	0.01	0.19	0.00	0.83	0.42		100.0%	0.4%	16.4%	0.2%	72.7%	36.9%
85			129		1	0.17	0.00	0.02	0.00	0.03	0.20		84.6%	0.5%	10.8%	1.0%	13.8%	100.0%
86			131		1	0.14	0.00	0.02	0.00	0.02	0.18		76.4%	0.5%	11.0%	0.5%	13.2%	100.0%
87			133		1	0.16	0.00	0.02	0.00	0.02	0.21		77.3%	0.0%	8.1%	0.5%	9.5%	100.0%
88			135		1	0.17	0.00	0.04	0.00	0.03	0.21		83.6%	0.0%	18.8%	0.5%	12.1%	100.0%
89			137		1	0.08	0.00	0.06	0.00	0.01	0.14		54.2%	0.0%	45.1%	0.7%	7.7%	100.0%
90			142		2	0.35	0.00	0.02	0.00	0.04	0.42		82.9%	0.5%	4.0%	0.7%	10.4%	100.0%
91			143		2	0.39	0.00	0.02	0.00	0.05	0.48		80.3%	0.2%	3.1%	0.6%	9.3%	100.0%
92			144		2	0.37	0.00	0.03	0.00	0.08	0.41		89.5%	0.2%	6.6%	0.2%	18.6%	100.0%
93			145		2	0.24	0.00	0.18	0.00	0.04	0.39		62.1%	0.3%	47.2%	0.3%	9.7%	100.0%
94			149		2	0.34	0.00	0.04	0.00	0.03	0.42		82.5%	0.2%	8.9%	0.5%	7.5%	100.0%
95	M	Patch	150		2	0.43	0.00	0.05	0.00	0.04	0.56		77.0%	0.2%	9.4%	0.0%	6.6%	100.0%
96			151		2	0.35	0.00	0.06	0.00	0.06	0.41		85.9%	0.2%	15.3%	0.2%	14.1%	100.0%
97			157		5	0.94	0.00	0.08	0.01	0.12	1.03		91.6%	0.4%	7.6%	1.2%	11.4%	100.0%
98			158		5	1.01	0.00	0.04	0.00	0.14	1.19		85.0%	0.3%	3.4%	0.2%	11.7%	100.0%
99			159		5	0.89	0.00	0.07	0.00	0.06	1.14		77.8%	0.2%	6.0%	0.2%	5.2%	100.0%
100			160		5	1.02	0.00	0.29	0.00	0.16	1.18		86.7%	0.3%	24.4%	0.1%	13.3%	100.0%
101			161		5	1.03	0.00	0.46	0.00	0.16	1.20		85.7%	0.2%	38.0%	0.2%	13.2%	100.0%
102			166		5	0.95	0.00	0.08	0.01	0.14	1.07		89.1%	0.3%	7.0%	0.5%	13.2%	100.0%
103			167		5	0.99	0.00	0.06	0.00	0.08	1.20		82.1%	0.2%	4.8%	0.2%	6.6%	100.0%
104			168		5	0.89	0.00	0.09	0.00	0.11	1.12		79.9%	0.2%	8.2%	0.2%	10.1%	100.0%
105			169		5	1.04	0.00	0.35	0.00	0.16	1.21		86.0%	0.2%	28.6%	0.2%	13.2%	100.0%
106			1	129	2	0.41	0.00	0.04	0.00	0.14	0.45		91.4%	0.4%	9.1%	0.7%	31.9%	100.0%
107			3	131	2	0.35	0.00	0.04	0.00	0.19	0.30		100.0%	0.6%	10.2%	0.6%	52.8%	85.5%
108			5	133	2	0.41	0.00	0.05	0.00	0.18	0.40		100.0%	0.2%	11.7%	0.5%	43.4%	96.3%
109			7	135	2	0.37	0.00	0.05	0.00	0.16	0.39		96.1%	0.5%	13.7%	0.3%	41.0%	100.0%
110			9	137	2	0.29	0.00	0.11	0.00	0.16	0.27		100.0%	1.1%	39.3%	1.1%	57.2%	95.1%
111			14	142	4	0.62	0.00	0.07	0.01	0.26	0.67		92.7%	0.6%	9.7%	0.9%	39.3%	100.0%
112			15	143	4	0.87	0.00	0.07	0.01	0.37	1.02		85.4%	0.4%	6.9%	0.5%	36.2%	100.0%
113			16	144	4	1.00	0.00	0.10	0.00	0.53	0.80		100.0%	0.3%	9.5%	0.2%	53.6%	80.2%
114			17	145	4	0.80	0.01	0.25	0.00	0.43	0.54		100.0%	0.6%	30.7%	0.3%	53.2%	67.7%
115			21	149	4	0.58	0.00	0.07	0.01	0.25	0.55		100.0%	0.3%	12.4%	0.9%	42.6%	95.5%
116			22	150	4	0.74	0.01	0.11	0.00	0.30	0.88		84.1%	0.6%	12.0%	0.1%	33.9%	100.0%
117			23	151	4	0.80	0.00	0.14	0.00	0.45	0.60		100.0%	0.5%	17.4%	0.4%	56.6%	74.8%
118			29	157	10	1.65	0.01	0.25	0.02	0.84	2.21		74.8%	0.6%	11.3%	1.0%	38.2%	100.0%
119			30	158	10	1.85	0.01	0.11	0.01	1.13	2.71		68.3%	0.5%	4.1%	0.2%	41.6%	100.0%
120			31	159	10	1.91	0.02	0.19	0.00	1.09	2.39		79.8%	1.0%	7.7%	0.1%	45.5%	100.0%
121			32	160	10	2.96	0.01	0.43	0.01	1.44	2.02		100.0%	0.4%	14.7%	0.2%	48.8%	68.2%
122			33	161	10	3.02	0.01	0.70	0.01	1.41	1.81		100.0%	0.2%	23.1%	0.2%	46.8%	60.0%
123			38	166	10	1.87	0.01	0.23	0.01	1.00	2.34		80.0%	0.6%	9.7%	0.5%	42.8%	100.0%
124			39	167	10	1.71	0.02	0.11	0.01	1.03	2.71		63.3%	0.7%	4.0%	0.2%	38.0%	100.0%
125			40	168	10	2.47	0.02	0.18	0.00	1.44	2.19		100.0%	0.6%	7.2%	0.2%	58.5%	88.9%
126			41	169	10	3.07	0.01	0.55	0.01	1.51	1.98		100.0%	0.3%	17.8%	0.2%	49.3%	64.5%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
							68.2%	59.4%	1.1%	25.6%	1.1%	44.3%	68.2%
	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
64	0.05	0.00	0.01	0.00	0.02	0.06	43.1%	41.5%	0.8%	5.4%	0.0%	18.5%	43.1%
65	0.07	0.00	0.01	0.00	0.04	0.04	40.7%	40.7%	0.0%	5.8%	0.0%	23.3%	21.5%
66	0.08	0.00	0.01	0.00	0.05	0.04	41.8%	41.8%	0.5%	5.0%	0.0%	25.4%	21.9%
67	0.07	0.00	0.01	0.00	0.04	0.05	45.8%	45.8%	0.7%	6.3%	0.0%	30.6%	31.9%
68	0.07	0.00	0.01	0.00	0.04	0.04	44.2%	44.2%	0.6%	5.1%	0.0%	26.9%	24.4%
69	0.11	0.00	0.01	0.00	0.05	0.04	43.8%	43.8%	0.0%	5.5%	0.4%	20.3%	17.2%
70	0.18	0.00	0.02	0.00	0.10	0.10	49.0%	49.0%	0.3%	4.7%	0.3%	27.6%	26.5%
71	0.16	0.00	0.03	0.00	0.10	0.15	48.3%	48.3%	0.6%	7.5%	0.0%	29.1%	45.6%
72	0.19	0.00	0.03	0.00	0.11	0.05	51.1%	51.1%	0.5%	7.1%	0.3%	29.8%	12.8%
73	0.15	0.00	0.02	0.00	0.08	0.05	47.2%	47.2%	0.3%	4.7%	0.3%	24.7%	15.5%
74	0.18	0.00	0.02	0.00	0.10	0.14	49.0%	49.0%	0.6%	6.1%	0.0%	28.7%	38.0%
75	0.22	0.00	0.03	0.00	0.13	0.06	51.6%	51.6%	0.5%	6.0%	0.0%	31.9%	13.4%
76	0.32	0.00	0.04	0.00	0.19	0.18	48.3%	48.3%	0.6%	5.8%	0.6%	29.4%	27.2%
77	0.50	0.00	0.02	0.00	0.36	0.34	54.8%	54.8%	0.4%	1.8%	0.1%	39.3%	36.5%
78	0.61	0.01	0.02	0.00	0.46	0.42	57.8%	57.8%	1.1%	2.3%	0.1%	44.3%	40.1%
79	0.64	0.01	0.06	0.00	0.42	0.26	58.6%	58.6%	0.5%	5.6%	0.1%	38.0%	24.0%
80	0.59	0.00	0.13	0.00	0.37	0.17	53.8%	53.8%	0.3%	11.5%	0.1%	34.2%	15.2%
81	0.39	0.00	0.04	0.00	0.25	0.22	49.1%	49.1%	0.5%	4.4%	0.5%	31.0%	28.0%
82	0.55	0.01	0.02	0.00	0.43	0.43	55.6%	55.6%	0.8%	1.7%	0.1%	43.3%	43.6%
83	0.64	0.01	0.03	0.00	0.46	0.38	59.4%	59.4%	0.7%	2.5%	0.1%	42.9%	35.2%
84	0.65	0.00	0.10	0.00	0.43	0.23	57.1%	57.1%	0.4%	8.4%	0.1%	37.5%	20.2%
85	0.06	0.00	0.01	0.00	0.01	0.11	57.4%	29.7%	0.0%	7.2%	0.5%	6.2%	57.4%
86	0.05	0.00	0.01	0.00	0.01	0.08	45.1%	25.3%	0.0%	7.1%	0.5%	3.8%	45.1%
87	0.06	0.00	0.01	0.00	0.01	0.10	47.4%	28.4%	0.0%	5.2%	0.5%	3.8%	47.4%
88	0.06	0.00	0.03	0.00	0.01	0.09	42.5%	27.5%	0.0%	12.1%	0.5%	4.8%	42.5%
89	0.02	0.00	0.03	0.00	0.01	0.06	43.0%	15.5%	0.0%	19.0%	0.7%	3.5%	43.0%
90	0.12	0.00	0.01	0.00	0.02	0.22	51.7%	28.9%	0.2%	2.4%	0.7%	3.8%	51.7%
91	0.17	0.00	0.01	0.00	0.02	0.28	58.1%	34.2%	0.2%	2.1%	0.6%	3.5%	58.1%
92	0.15	0.00	0.02	0.00	0.03	0.25	60.3%	35.8%	0.2%	4.4%	0.0%	7.1%	60.3%
93	0.09	0.00	0.10	0.00	0.01	0.17	44.6%	22.1%	0.3%	25.6%	0.3%	3.3%	44.6%
94	0.12	0.00	0.02	0.00	0.01	0.21	50.2%	28.8%	0.2%	4.6%	0.5%	3.4%	50.2%
95	0.19	0.00	0.03	0.00	0.01	0.29	52.0%	33.0%	0.2%	5.9%	0.0%	2.0%	52.0%
96	0.14	0.00	0.04	0.00	0.02	0.19	47.9%	34.1%	0.2%	9.6%	0.2%	5.2%	47.9%
97	0.38	0.00	0.04	0.01	0.06	0.56	54.6%	36.9%	0.3%	3.4%	1.1%	5.6%	54.6%
98	0.49	0.00	0.02	0.00	0.06	0.76	64.2%	41.3%	0.2%	1.9%	0.2%	5.4%	64.2%
99	0.47	0.00	0.03	0.00	0.03	0.72	63.4%	41.3%	0.2%	2.8%	0.1%	2.5%	63.4%
100	0.52	0.00	0.18	0.00	0.06	0.63	53.4%	43.9%	0.2%	15.3%	0.1%	5.3%	53.4%
101	0.48	0.00	0.28	0.00	0.07	0.60	50.0%	40.1%	0.2%	23.6%	0.2%	5.9%	50.0%
102	0.42	0.00	0.05	0.00	0.07	0.62	57.8%	39.3%	0.3%	4.6%	0.4%	6.5%	57.8%
103	0.52	0.00	0.03	0.00	0.04	0.82	68.2%	43.4%	0.2%	2.4%	0.2%	2.9%	68.2%
104	0.48	0.00	0.04	0.00	0.05	0.65	58.4%	42.7%	0.2%	3.6%	0.2%	4.8%	58.4%
105	0.51	0.00	0.22	0.00	0.06	0.63	51.7%	42.1%	0.2%	17.8%	0.1%	5.3%	51.7%
106	0.15	0.00	0.03	0.00	0.05	0.23	50.3%	33.3%	0.2%	6.7%	0.4%	11.8%	50.3%
107	0.13	0.00	0.03	0.00	0.07	0.12	37.5%	37.5%	0.3%	7.1%	0.6%	20.5%	34.9%
108	0.16	0.00	0.03	0.00	0.07	0.18	43.9%	39.0%	0.2%	7.3%	0.5%	16.3%	43.9%
109	0.14	0.00	0.03	0.00	0.06	0.18	46.9%	37.1%	0.3%	8.0%	0.3%	16.5%	46.9%
110	0.11	0.00	0.04	0.00	0.07	0.14	47.4%	38.9%	0.7%	15.4%	0.7%	23.2%	47.4%
111	0.24	0.00	0.04	0.01	0.11	0.29	43.7%	35.7%	0.4%	6.1%	0.9%	15.8%	43.7%
112	0.34	0.00	0.05	0.00	0.16	0.49	47.6%	33.3%	0.3%	4.9%	0.4%	15.4%	47.6%
113	0.44	0.00	0.07	0.00	0.22	0.44	43.9%	43.6%	0.3%	6.7%	0.1%	22.4%	43.9%
114	0.38	0.00	0.13	0.00	0.18	0.25	47.6%	47.6%	0.5%	15.9%	0.3%	22.3%	30.7%
115	0.22	0.00	0.04	0.01	0.11	0.28	48.4%	37.1%	0.3%	7.1%	0.9%	19.1%	48.4%
116	0.35	0.00	0.07	0.00	0.14	0.46	52.2%	40.3%	0.5%	7.4%	0.1%	15.9%	52.2%
117	0.36	0.00	0.08	0.00	0.20	0.28	44.4%	44.4%	0.5%	9.4%	0.2%	24.8%	34.8%
118	0.64	0.01	0.12	0.02	0.41	1.03	46.7%	28.8%	0.5%	5.3%	0.9%	18.4%	46.7%
119	0.82	0.01	0.07	0.01	0.56	1.52	56.2%	30.3%	0.4%	2.5%	0.2%	20.7%	56.2%
120	0.93	0.02	0.10	0.00	0.57	1.39	57.9%	39.0%	0.8%	4.0%	0.1%	23.9%	57.9%
121	1.64	0.01	0.28	0.00	0.73	1.08	55.5%	55.5%	0.4%	9.4%	0.1%	24.5%	36.6%
122	1.51	0.01	0.43	0.00	0.70	0.94	49.9%	49.9%	0.2%	14.4%	0.1%	23.0%	31.1%
123	0.78	0.01	0.11	0.01	0.49	1.16	49.8%	33.2%	0.4%	4.7%	0.4%	21.0%	49.8%
124	0.89	0.02	0.05	0.01	0.53	1.62	60.0%	32.9%	0.6%	1.8%	0.2%	19.6%	60.0%
125	1.34	0.01	0.09	0.00	0.76	1.23	54.3%	54.3%	0.6%	3.5%	0.1%	30.7%	49.6%
126	1.64	0.01	0.35	0.00	0.76	1.08	53.5%	53.5%	0.3%	11.4%	0.1%	24.7%	35.1%

- M–patch High CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)							max ratio out of all beams					
													100.0%	1.0%	43.2%	1.3%	78.5%	100.0%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
64			1		1	0.17	0.00	0.01	0.00	0.09	0.14		100.0%	0.6%	6.0%	0.0%	53.0%	82.1%
65			3		1	0.19	0.00	0.02	0.00	0.12	0.08		100.0%	0.5%	9.1%	0.5%	66.7%	44.6%
66			5		1	0.22	0.00	0.02	0.00	0.14	0.10		100.0%	0.5%	7.8%	0.5%	66.4%	47.0%
67			7		1	0.17	0.00	0.02	0.00	0.13	0.10		100.0%	0.6%	11.2%	0.6%	78.1%	59.8%
68			9		1	0.19	0.00	0.02	0.00	0.13	0.07		100.0%	1.0%	11.4%	0.5%	67.4%	37.8%
69			14		2	0.31	0.00	0.03	0.00	0.17	0.13		100.0%	0.3%	9.9%	0.3%	55.4%	41.1%
70			15		2	0.40	0.00	0.02	0.00	0.26	0.23		100.0%	0.2%	4.2%	0.2%	63.9%	57.2%
71			16		2	0.38	0.00	0.04	0.00	0.27	0.32		100.0%	0.5%	9.9%	0.3%	69.2%	83.3%
72			17		2	0.43	0.00	0.07	0.00	0.31	0.12		100.0%	0.2%	15.9%	0.2%	73.4%	27.3%
73			21		2	0.37	0.00	0.02	0.00	0.22	0.16		100.0%	0.3%	5.4%	0.3%	60.3%	43.8%
74			22		2	0.40	0.00	0.03	0.00	0.27	0.30		100.0%	0.5%	7.2%	0.2%	66.8%	73.5%
75			23		2	0.49	0.00	0.06	0.00	0.36	0.14		100.0%	0.4%	13.1%	0.2%	74.0%	29.0%
76			29		5	0.87	0.01	0.07	0.01	0.61	0.50		100.0%	0.8%	7.6%	0.6%	69.7%	57.7%
77			30		5	1.05	0.01	0.05	0.00	0.80	0.67		100.0%	0.9%	4.4%	0.2%	76.3%	63.5%
78			31		5	1.18	0.01	0.05	0.00	0.90	0.77		100.0%	0.8%	3.9%	0.2%	76.4%	65.5%
79			32		5	1.17	0.01	0.14	0.00	0.83	0.58		100.0%	0.4%	11.5%	0.2%	71.0%	49.7%
80			33		5	1.23	0.00	0.27	0.00	0.88	0.42		100.0%	0.3%	21.8%	0.2%	71.1%	34.2%
81			38		5	1.01	0.01	0.06	0.01	0.70	0.56		100.0%	0.6%	6.3%	0.5%	69.6%	55.7%
82			39		5	1.10	0.01	0.03	0.00	0.86	0.77		100.0%	0.6%	3.0%	0.2%	78.5%	70.6%
83			40		5	1.20	0.01	0.07	0.00	0.91	0.73		100.0%	0.7%	5.7%	0.2%	75.3%	60.6%
84			41		5	1.26	0.01	0.21	0.00	0.91	0.49		100.0%	0.5%	16.4%	0.2%	72.1%	38.7%
85			129		1	0.15	0.00	0.01	0.00	0.02	0.21		71.8%	0.5%	5.3%	1.0%	11.2%	100.0%
86			131		1	0.14	0.00	0.02	0.00	0.03	0.19		74.9%	0.0%	10.2%	0.5%	14.4%	100.0%
87			133		1	0.16	0.00	0.02	0.00	0.02	0.21		75.4%	0.0%	7.7%	0.5%	9.7%	100.0%
88			135		1	0.17	0.00	0.03	0.00	0.03	0.21		84.1%	0.0%	15.9%	0.5%	13.0%	100.0%
89			137		1	0.08	0.00	0.06	0.00	0.01	0.13		61.4%	0.0%	42.4%	0.8%	8.3%	100.0%
90			142		2	0.37	0.00	0.02	0.00	0.05	0.45		81.5%	0.2%	3.3%	0.9%	10.5%	100.0%
91			143		2	0.38	0.00	0.01	0.00	0.05	0.50		75.3%	0.2%	2.8%	0.8%	9.0%	100.0%
92			144		2	0.35	0.00	0.02	0.00	0.08	0.42		82.7%	0.2%	4.0%	0.2%	18.7%	100.0%
93			145		2	0.23	0.00	0.15	0.00	0.03	0.35		65.3%	0.3%	43.2%	0.6%	9.7%	100.0%
94			149		2	0.36	0.00	0.03	0.00	0.04	0.44		81.6%	0.2%	7.6%	0.5%	9.2%	100.0%
95	M	Patch	150		2	0.44	0.00	0.05	0.00	0.05	0.57		77.3%	0.2%	9.0%	0.0%	7.9%	100.0%
96			151		2	0.32	0.00	0.06	0.00	0.06	0.37		84.7%	0.3%	15.6%	0.5%	16.1%	100.0%
97			157		5	0.92	0.00	0.06	0.01	0.12	1.02		90.0%	0.3%	5.6%	1.3%	11.4%	100.0%
98			158		5	1.00	0.00	0.04	0.00	0.14	1.21		82.7%	0.3%	2.9%	0.2%	11.2%	100.0%
99			159		5	0.95	0.00	0.06	0.00	0.08	1.23		76.6%	0.2%	5.0%	0.1%	6.3%	100.0%
100			160		5	0.91	0.00	0.22	0.00	0.15	1.09		83.4%	0.2%	19.8%	0.2%	13.5%	100.0%
101			161		5	0.84	0.00	0.34	0.00	0.15	1.01		83.4%	0.2%	34.0%	0.3%	14.4%	100.0%
102			166		5	0.91	0.00	0.07	0.01	0.14	1.07		85.7%	0.4%	6.5%	0.5%	12.7%	100.0%
103			167		5	1.04	0.00	0.06	0.00	0.09	1.29		80.9%	0.2%	4.7%	0.2%	6.8%	100.0%
104			168		5	0.91	0.00	0.08	0.00	0.12	1.19		77.1%	0.2%	7.1%	0.3%	10.1%	100.0%
105			169		5	0.89	0.00	0.26	0.00	0.15	1.07		83.6%	0.2%	23.9%	0.2%	14.0%	100.0%
106			1	129	2	0.43	0.00	0.03	0.00	0.18	0.49		89.1%	0.4%	6.4%	0.6%	36.3%	100.0%
107			3	131	2	0.35	0.00	0.03	0.00	0.20	0.33		100.0%	0.3%	9.1%	0.9%	57.4%	93.4%
108			5	133	2	0.43	0.00	0.04	0.00	0.19	0.41		100.0%	0.5%	9.4%	0.5%	45.0%	94.8%
109			7	135	2	0.40	0.00	0.05	0.00	0.18	0.40		99.5%	0.5%	12.6%	0.2%	44.3%	100.0%
110			9	137	2	0.31	0.00	0.11	0.00	0.18	0.23		100.0%	1.0%	35.1%	1.3%	56.5%	73.8%
111			14	142	4	0.72	0.00	0.06	0.01	0.33	0.71		100.0%	0.3%	8.7%	1.0%	45.7%	97.7%
112			15	143	4	0.86	0.00	0.05	0.01	0.40	1.01		85.3%	0.3%	5.1%	0.7%	39.5%	100.0%
113			16	144	4	0.98	0.00	0.08	0.00	0.57	0.91		100.0%	0.3%	8.2%	0.2%	57.8%	92.8%
114			17	145	4	0.84	0.00	0.23	0.00	0.47	0.53		100.0%	0.4%	27.9%	0.5%	56.4%	63.2%
115			21	149	4	0.64	0.00	0.06	0.01	0.29	0.57		100.0%	0.5%	9.9%	0.8%	45.1%	89.2%
116			22	150	4	0.77	0.00	0.09	0.00	0.34	0.91		85.3%	0.4%	10.4%	0.1%	37.8%	100.0%
117			23	151	4	0.80	0.00	0.14	0.00	0.48	0.56		100.0%	0.4%	17.4%	0.5%	60.2%	69.5%
118			29	157	10	2.04	0.02	0.18	0.03	1.13	2.28		89.5%	0.7%	8.0%	1.2%	49.4%	100.0%
119			30	158	10	2.08	0.02	0.12	0.01	1.24	2.68		77.6%	0.7%	4.4%	0.2%	46.3%	100.0%
120			31	159	10	2.10	0.02	0.17	0.01	1.12	2.62		80.2%	0.6%	6.4%	0.2%	42.7%	100.0%
121			32	160	10	2.89	0.01	0.40	0.01	1.48	2.04		100.0%	0.3%	14.0%	0.2%	51.1%	70.5%
122			33	161	10	2.92	0.01	0.62	0.01	1.52	1.85		100.0%	0.2%	21.2%	0.2%	52.2%	63.2%
123			38	166	10	2.24	0.02	0.20	0.01	1.26	2.37		94.8%	0.7%	8.5%	0.5%	53.2%	100.0%
124			39	167	10	1.95	0.02	0.12	0.01	1.09	2.84		68.7%	0.5%	4.3%	0.2%	38.4%	100.0%
125			40	168	10	2.56	0.01	0.21	0.01	1.45	2.30		100.0%	0.5%	8.2%	0.2%	56.8%	90.0%
126			41	169	10	3.01	0.01	0.50	0.01	1.60	1.99		100.0%	0.3%	16.6%	0.2%	53.3%	66.1%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
							68.2%	59.8%	0.7%	23.9%	1.1%	41.5%	68.2%
	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
64	0.08	0.00	0.01	0.00	0.03	0.06	45.8%	45.8%	0.6%	3.6%	0.0%	19.6%	32.7%
65	0.07	0.00	0.01	0.00	0.04	0.05	38.7%	38.7%	0.5%	6.5%	0.5%	21.5%	25.8%
66	0.10	0.00	0.01	0.00	0.05	0.05	44.7%	44.7%	0.5%	4.6%	0.0%	24.4%	23.5%
67	0.08	0.00	0.01	0.00	0.05	0.05	49.7%	49.7%	0.6%	6.5%	0.0%	29.6%	29.6%
68	0.09	0.00	0.01	0.00	0.05	0.03	44.0%	44.0%	0.5%	5.7%	0.5%	23.3%	16.1%
69	0.15	0.00	0.02	0.00	0.07	0.05	47.8%	47.8%	0.3%	6.1%	0.3%	22.0%	15.6%
70	0.20	0.00	0.01	0.00	0.11	0.10	50.2%	50.2%	0.2%	3.0%	0.2%	27.6%	25.4%
71	0.18	0.00	0.03	0.00	0.11	0.17	47.8%	47.8%	0.5%	6.8%	0.3%	28.7%	43.3%
72	0.23	0.00	0.04	0.00	0.12	0.05	54.7%	54.7%	0.2%	8.6%	0.2%	28.7%	10.5%
73	0.18	0.00	0.01	0.00	0.09	0.06	49.5%	49.5%	0.3%	3.5%	0.3%	25.5%	16.8%
74	0.20	0.00	0.02	0.00	0.12	0.15	49.3%	49.3%	0.2%	5.0%	0.2%	28.5%	36.9%
75	0.27	0.00	0.04	0.00	0.15	0.06	55.4%	55.4%	0.2%	7.2%	0.0%	29.9%	11.2%
76	0.44	0.01	0.03	0.01	0.28	0.20	50.8%	50.8%	0.6%	3.8%	0.6%	31.5%	22.7%
77	0.58	0.01	0.02	0.00	0.41	0.34	55.5%	55.5%	0.7%	1.8%	0.1%	38.6%	32.5%
78	0.69	0.01	0.02	0.00	0.48	0.48	58.0%	58.0%	0.7%	2.0%	0.2%	40.8%	40.4%
79	0.69	0.01	0.07	0.00	0.43	0.31	58.8%	58.8%	0.4%	5.5%	0.1%	36.3%	26.5%
80	0.69	0.00	0.16	0.00	0.43	0.22	56.4%	56.4%	0.2%	13.0%	0.2%	34.7%	17.9%
81	0.51	0.00	0.04	0.00	0.33	0.24	50.6%	50.6%	0.4%	3.5%	0.4%	32.3%	23.6%
82	0.62	0.01	0.02	0.00	0.45	0.45	56.9%	56.9%	0.6%	1.6%	0.1%	41.5%	41.5%
83	0.72	0.01	0.03	0.00	0.47	0.44	59.8%	59.8%	0.5%	2.7%	0.1%	39.3%	36.6%
84	0.74	0.01	0.11	0.00	0.46	0.27	58.3%	58.3%	0.4%	8.8%	0.1%	36.4%	21.2%
85	0.06	0.00	0.01	0.00	0.01	0.12	56.8%	28.2%	0.5%	3.9%	1.0%	4.4%	56.8%
86	0.05	0.00	0.01	0.00	0.01	0.09	47.1%	24.1%	0.0%	5.9%	0.5%	4.3%	47.1%
87	0.06	0.00	0.01	0.00	0.01	0.10	47.8%	27.1%	0.0%	4.8%	0.5%	2.9%	47.8%
88	0.06	0.00	0.02	0.00	0.01	0.10	45.9%	29.0%	0.0%	9.2%	0.5%	4.3%	45.9%
89	0.03	0.00	0.03	0.00	0.00	0.05	38.6%	19.7%	0.0%	19.7%	0.8%	3.0%	38.6%
90	0.13	0.00	0.01	0.00	0.02	0.24	53.9%	29.0%	0.2%	2.0%	0.7%	3.8%	53.9%
91	0.16	0.00	0.01	0.00	0.02	0.28	56.8%	31.3%	0.2%	1.8%	0.8%	3.2%	56.8%
92	0.15	0.00	0.01	0.00	0.03	0.27	63.1%	35.5%	0.2%	2.8%	0.2%	6.9%	63.1%
93	0.09	0.00	0.08	0.00	0.01	0.14	40.9%	25.3%	0.3%	23.9%	0.3%	3.4%	40.9%
94	0.13	0.00	0.02	0.00	0.02	0.23	53.1%	29.2%	0.2%	3.9%	0.5%	3.4%	53.1%
95	0.19	0.00	0.03	0.00	0.01	0.31	53.7%	33.1%	0.2%	5.5%	0.0%	2.3%	53.7%
96	0.13	0.00	0.03	0.00	0.02	0.18	48.9%	33.6%	0.3%	9.1%	0.3%	6.2%	48.9%
97	0.37	0.00	0.03	0.01	0.06	0.57	55.6%	36.4%	0.3%	2.7%	1.1%	5.5%	55.6%
98	0.50	0.00	0.02	0.00	0.06	0.79	65.7%	41.6%	0.2%	1.5%	0.2%	5.0%	65.7%
99	0.49	0.00	0.03	0.00	0.04	0.80	64.5%	39.5%	0.2%	2.2%	0.1%	3.1%	64.5%
100	0.47	0.00	0.14	0.00	0.06	0.58	53.0%	43.3%	0.2%	12.5%	0.1%	5.9%	53.0%
101	0.39	0.00	0.21	0.00	0.07	0.50	49.1%	38.3%	0.2%	20.8%	0.2%	6.5%	49.1%
102	0.41	0.00	0.03	0.00	0.06	0.64	60.3%	38.5%	0.3%	2.7%	0.4%	6.0%	60.3%
103	0.55	0.00	0.03	0.00	0.04	0.88	68.2%	42.6%	0.2%	2.4%	0.2%	3.1%	68.2%
104	0.49	0.00	0.04	0.00	0.06	0.70	59.3%	41.5%	0.2%	3.4%	0.2%	5.1%	59.3%
105	0.45	0.00	0.16	0.00	0.06	0.55	51.8%	42.2%	0.2%	14.9%	0.1%	5.9%	51.8%
106	0.17	0.00	0.02	0.00	0.06	0.24	49.7%	34.8%	0.4%	4.7%	0.6%	12.8%	49.7%
107	0.13	0.00	0.02	0.00	0.08	0.14	40.0%	37.1%	0.3%	6.3%	0.6%	22.3%	40.0%
108	0.17	0.00	0.03	0.00	0.07	0.19	44.3%	39.3%	0.5%	5.9%	0.5%	16.4%	44.3%
109	0.16	0.00	0.03	0.00	0.08	0.19	46.8%	40.6%	0.2%	7.4%	0.2%	18.6%	46.8%
110	0.13	0.00	0.05	0.00	0.06	0.11	42.5%	42.5%	0.6%	15.7%	1.0%	20.4%	34.2%
111	0.30	0.00	0.04	0.01	0.14	0.32	44.5%	40.9%	0.3%	5.4%	0.8%	19.6%	44.5%
112	0.36	0.00	0.04	0.01	0.17	0.45	45.0%	35.3%	0.3%	3.7%	0.7%	16.8%	45.0%
113	0.42	0.00	0.06	0.00	0.24	0.50	51.0%	43.1%	0.2%	5.9%	0.2%	24.6%	51.0%
114	0.44	0.00	0.12	0.00	0.20	0.22	51.8%	51.8%	0.4%	14.4%	0.4%	23.2%	25.9%
115	0.26	0.00	0.04	0.01	0.13	0.29	45.4%	40.7%	0.3%	5.9%	0.8%	20.5%	45.4%
116	0.37	0.00	0.06	0.00	0.16	0.48	52.7%	41.3%	0.3%	6.6%	0.1%	17.8%	52.7%
117	0.39	0.00	0.08	0.00	0.21	0.25	49.2%	49.2%	0.4%	9.9%	0.4%	26.4%	31.3%
118	0.86	0.01	0.09	0.03	0.53	1.10	48.0%	37.4%	0.6%	3.8%	1.1%	23.2%	48.0%
119	0.94	0.01	0.05	0.01	0.62	1.50	56.1%	35.0%	0.4%	2.0%	0.2%	23.1%	56.1%
120	1.04	0.02	0.08	0.00	0.61	1.54	58.9%	39.6%	0.6%	2.9%	0.2%	23.1%	58.9%
121	1.64	0.01	0.25	0.00	0.74	1.12	56.6%	56.6%	0.3%	8.5%	0.1%	25.7%	38.8%
122	1.52	0.01	0.39	0.01	0.76	0.97	52.2%	52.2%	0.2%	13.2%	0.2%	26.0%	33.3%
123	0.98	0.01	0.10	0.01	0.60	1.24	52.5%	41.2%	0.5%	4.3%	0.5%	25.3%	52.5%
124	0.95	0.01	0.06	0.01	0.56	1.69	59.5%	33.5%	0.5%	2.2%	0.2%	19.7%	59.5%
125	1.39	0.01	0.11	0.01	0.77	1.29	54.4%	54.4%	0.4%	4.2%	0.2%	30.3%	50.4%
126	1.68	0.01	0.30	0.00	0.80	1.10	55.7%	55.7%	0.3%	10.0%	0.1%	26.6%	36.7%

[Folder Closed Status]

- M–patch Low CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)						per Beam Back-off (dB)	max ratio out of all beams					
													100.0%	2.8%	41.5%	3.0%	44.8%	88.7%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)		ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
64			1		1	0.11	0.00	0.01	0.00	0.02	0.09		100.0%	1.8%	8.3%	0.9%	19.3%	83.5%
65			3		1	0.12	0.00	0.01	0.00	0.03	0.03		100.0%	0.8%	10.8%	0.8%	21.7%	27.5%
66			5		1	0.12	0.00	0.01	0.00	0.02	0.04		100.0%	1.7%	12.0%	1.7%	20.5%	32.5%
67			7		1	0.10	0.00	0.02	0.00	0.02	0.06		100.0%	2.0%	21.8%	3.0%	19.8%	54.5%
68			9		1	0.12	0.00	0.05	0.00	0.02	0.05		100.0%	1.7%	41.5%	0.8%	16.9%	39.8%
69			14		2	0.28	0.00	0.03	0.00	0.07	0.12		100.0%	0.7%	8.9%	1.1%	24.8%	41.8%
70			15		2	0.24	0.00	0.01	0.00	0.07	0.13		100.0%	0.8%	5.0%	0.4%	27.7%	54.2%
71			16		2	0.17	0.00	0.01	0.00	0.04	0.13		100.0%	1.2%	8.1%	0.6%	23.1%	77.5%
72			17		2	0.27	0.01	0.10	0.00	0.06	0.09		100.0%	1.9%	36.1%	1.5%	22.3%	34.2%
73			21		2	0.28	0.00	0.02	0.00	0.07	0.12		100.0%	0.7%	6.2%	0.7%	25.7%	44.2%
74			22		2	0.19	0.00	0.01	0.00	0.05	0.13		100.0%	1.0%	6.2%	0.5%	27.5%	69.4%
75			23		2	0.27	0.01	0.08	0.00	0.06	0.10		100.0%	1.9%	31.3%	1.1%	22.0%	37.7%
76			29		5	0.71	0.01	0.06	0.02	0.17	0.27		100.0%	1.0%	8.7%	2.1%	23.3%	37.4%
77			30		5	0.53	0.01	0.03	0.01	0.20	0.26		100.0%	1.5%	6.2%	1.3%	37.7%	49.0%
78			31		5	0.53	0.01	0.06	0.00	0.24	0.31		100.0%	1.7%	11.4%	0.8%	44.8%	59.0%
79			32		5	0.43	0.01	0.08	0.01	0.18	0.25		100.0%	2.8%	18.7%	1.2%	41.7%	56.5%
80			33		5	0.49	0.01	0.16	0.00	0.17	0.13		100.0%	1.4%	32.4%	0.8%	35.7%	27.3%
81			38		5	0.67	0.01	0.05	0.02	0.18	0.25		100.0%	1.0%	7.0%	2.2%	26.8%	37.6%
82			39		5	0.51	0.01	0.03	0.00	0.22	0.34		100.0%	2.0%	5.3%	0.6%	43.1%	67.6%
83			40		5	0.51	0.01	0.08	0.00	0.23	0.29		100.0%	2.8%	15.6%	0.8%	44.7%	56.7%
84			41		5	0.46	0.01	0.13	0.00	0.18	0.20		100.0%	2.0%	28.4%	0.9%	38.8%	43.8%
85			129		1	0.26	0.00	0.04	0.00	0.02	0.18		100.0%	0.8%	13.3%	0.8%	7.6%	69.6%
86			131		1	0.34	0.00	0.03	0.00	0.01	0.22		100.0%	0.3%	7.4%	0.6%	3.5%	65.5%
87			133		1	0.35	0.00	0.03	0.00	0.01	0.26		100.0%	0.9%	8.0%	0.9%	3.7%	74.1%
88			135		1	0.34	0.00	0.04	0.00	0.01	0.25		100.0%	0.9%	12.7%	0.6%	3.6%	74.9%
89			137		1	0.28	0.00	0.05	0.00	0.01	0.22		100.0%	0.7%	18.3%	0.4%	4.7%	77.3%
90			142		2	0.87	0.00	0.01	0.01	0.04	0.64		100.0%	0.3%	1.2%	0.8%	4.6%	74.0%
91			143		2	0.84	0.00	0.01	0.01	0.04	0.62		100.0%	0.4%	1.5%	0.6%	4.2%	74.1%
92			144		2	0.73	0.00	0.07	0.00	0.05	0.51		100.0%	0.4%	8.9%	0.3%	6.1%	69.3%
93			145		2	0.59	0.01	0.17	0.00	0.03	0.50		100.0%	1.0%	29.7%	0.7%	5.5%	84.8%
94			149		2	0.73	0.01	0.04	0.00	0.04	0.58		100.0%	0.7%	5.4%	0.4%	4.8%	79.0%
95	M	Patch	150		2	0.87	0.01	0.08	0.00	0.04	0.70		100.0%	0.7%	9.6%	0.1%	5.0%	80.8%
96			151		2	0.57	0.00	0.10	0.01	0.03	0.44		100.0%	0.7%	16.9%	0.9%	4.4%	77.3%
97			157		5	2.12	0.01	0.08	0.03	0.11	1.63		100.0%	0.4%	3.9%	1.2%	5.4%	77.0%
98			158		5	2.02	0.01	0.07	0.00	0.13	1.60		100.0%	0.6%	3.3%	0.1%	6.5%	79.4%
99			159		5	1.73	0.02	0.06	0.00	0.13	1.45		100.0%	0.9%	3.5%	0.2%	7.8%	83.8%
100			160		5	2.16	0.01	0.54	0.00	0.16	1.83		100.0%	0.5%	25.0%	0.1%	7.3%	84.9%
101			161		5	1.98	0.01	0.75	0.00	0.14	1.69		100.0%	0.5%	37.9%	0.2%	7.0%	85.2%
102			166		5	2.02	0.01	0.11	0.01	0.12	1.53		100.0%	0.3%	5.5%	0.6%	5.8%	75.9%
103			167		5	1.80	0.02	0.05	0.00	0.14	1.51		100.0%	0.9%	2.8%	0.2%	7.6%	83.8%
104			168		5	1.81	0.01	0.17	0.00	0.16	1.53		100.0%	0.7%	9.6%	0.1%	8.6%	84.6%
105			169		5	2.18	0.01	0.63	0.00	0.16	1.87		100.0%	0.4%	28.9%	0.1%	7.2%	85.4%
106			1	129	2	0.49	0.01	0.07	0.00	0.06	0.36		100.0%	1.0%	13.6%	0.8%	12.2%	73.8%
107			3	131	2	0.56	0.00	0.05	0.01	0.05	0.33		100.0%	0.7%	8.8%	0.9%	9.0%	60.0%
108			5	133	2	0.59	0.00	0.05	0.01	0.05	0.40		100.0%	0.7%	7.9%	1.2%	9.1%	68.0%
109			7	135	2	0.56	0.01	0.08	0.01	0.05	0.40		100.0%	1.6%	14.1%	1.3%	8.5%	72.6%
110			9	137	2	0.51	0.01	0.14	0.00	0.05	0.36		100.0%	1.4%	26.8%	0.8%	10.0%	69.7%
111			14	142	4	1.35	0.01	0.04	0.01	0.15	0.88		100.0%	0.6%	3.0%	1.0%	10.7%	64.7%
112			15	143	4	1.46	0.01	0.04	0.01	0.14	1.08		100.0%	0.4%	3.0%	0.6%	9.7%	74.0%
113			16	144	4	1.10	0.01	0.08	0.01	0.15	0.75		100.0%	0.7%	7.4%	0.5%	13.2%	68.3%
114			17	145	4	0.98	0.02	0.30	0.01	0.13	0.65		100.0%	1.6%	30.9%	1.2%	12.8%	66.6%
115			21	149	4	0.96	0.01	0.07	0.01	0.10	0.71		100.0%	1.0%	7.7%	0.6%	10.2%	73.8%
116			22	150	4	1.05	0.01	0.10	0.00	0.12	0.88		100.0%	1.1%	9.2%	0.3%	11.0%	83.3%
117			23	151	4	0.96	0.02	0.19	0.01	0.12	0.63		100.0%	1.7%	20.0%	1.0%	12.1%	65.8%
118			29	157	10	3.59	0.02	0.25	0.04	0.36	2.62		100.0%	0.7%	6.9%	1.1%	10.1%	72.9%
119			30	158	10	3.30	0.03	0.15	0.01	0.44	2.60		100.0%	1.0%	4.6%	0.3%	13.5%	78.9%
120			31	159	10	2.81	0.05	0.20	0.01	0.49	2.47		100.0%	1.6%	7.2%	0.4%	17.3%	87.9%
121			32	160	10	3.09	0.03	0.59	0.01	0.52	2.29		100.0%	1.0%	19.0%	0.3%	16.9%	74.2%
122			33	161	10	2.59	0.02	0.84	0.01	0.46	1.84		100.0%	0.9%	32.2%	0.4%	17.7%	71.0%
123			38	166	10	3.31	0.02	0.20	0.03	0.40	2.44		100.0%	0.6%	6.0%	0.8%	12.0%	73.6%
124			39	167	10	3.03	0.05	0.11	0.01	0.45	2.69		100.0%	1.6%	3.8%	0.3%	14.8%	88.7%
125			40	168	10	2.92	0.04	0.22	0.01	0.60	2.35		100.0%	1.5%	7.4%	0.2%	20.5%	80.3%
126			41	169	10	3.01	0.03	0.70	0.01	0.51	2.17		100.0%	1.1%	23.2%	0.2%	17.1%	72.2%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
							59.0%	59.0%	2.4%	22.0%	2.0%	24.9%	52.7%
	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
64	0.06	0.00	0.00	0.00	0.01	0.05	50.5%	50.5%	0.9%	3.7%	0.9%	9.2%	41.3%
65	0.04	0.00	0.01	0.00	0.01	0.01	35.0%	35.0%	0.8%	5.0%	0.8%	9.2%	11.7%
66	0.05	0.00	0.01	0.00	0.01	0.02	38.5%	38.5%	0.9%	6.8%	0.9%	6.8%	15.4%
67	0.04	0.00	0.01	0.00	0.01	0.03	40.6%	40.6%	2.0%	13.9%	2.0%	7.9%	27.7%
68	0.03	0.00	0.03	0.00	0.01	0.02	25.4%	25.4%	1.7%	22.0%	0.8%	7.6%	17.8%
69	0.14	0.00	0.01	0.00	0.03	0.04	48.6%	48.6%	0.7%	5.0%	0.7%	12.1%	13.8%
70	0.11	0.00	0.01	0.00	0.03	0.06	46.2%	46.2%	0.4%	3.8%	0.4%	13.0%	24.4%
71	0.07	0.00	0.01	0.00	0.02	0.07	41.6%	37.6%	1.2%	6.4%	0.6%	12.1%	41.6%
72	0.10	0.01	0.05	0.00	0.02	0.04	38.3%	38.3%	1.9%	19.7%	0.7%	8.2%	15.6%
73	0.13	0.00	0.01	0.00	0.04	0.05	46.4%	46.4%	0.4%	4.0%	0.4%	12.7%	16.7%
74	0.09	0.00	0.01	0.00	0.03	0.07	44.0%	44.0%	0.5%	5.2%	0.5%	13.0%	34.7%
75	0.10	0.01	0.05	0.00	0.02	0.05	38.4%	38.4%	1.9%	17.5%	0.7%	8.2%	17.2%
76	0.34	0.01	0.02	0.01	0.07	0.11	47.5%	47.5%	0.7%	3.4%	1.1%	10.3%	15.3%
77	0.31	0.01	0.02	0.00	0.11	0.13	58.6%	58.6%	1.1%	3.0%	0.6%	21.1%	23.7%
78	0.29	0.01	0.03	0.00	0.13	0.18	55.4%	55.4%	1.5%	5.3%	0.4%	24.3%	34.0%
79	0.26	0.01	0.05	0.00	0.09	0.15	58.8%	58.8%	2.1%	12.0%	0.5%	20.3%	33.6%
80	0.27	0.01	0.10	0.00	0.08	0.07	54.9%	54.9%	1.2%	19.9%	0.4%	16.2%	15.2%
81	0.34	0.01	0.02	0.01	0.09	0.10	50.6%	50.6%	0.7%	2.4%	1.0%	13.1%	14.9%
82	0.28	0.01	0.02	0.00	0.13	0.21	55.1%	55.1%	1.6%	3.0%	0.4%	24.9%	41.5%
83	0.29	0.01	0.04	0.00	0.12	0.15	57.9%	57.9%	2.4%	7.1%	0.4%	22.8%	30.3%
84	0.27	0.01	0.09	0.00	0.08	0.12	59.0%	59.0%	1.5%	18.4%	0.4%	17.8%	26.2%
85	0.11	0.00	0.02	0.00	0.01	0.08	40.3%	40.3%	0.4%	8.7%	0.4%	3.8%	31.2%
86	0.13	0.00	0.02	0.00	0.01	0.09	38.1%	38.1%	0.3%	4.7%	0.6%	1.8%	25.1%
87	0.13	0.00	0.02	0.00	0.01	0.11	35.6%	35.6%	0.6%	4.8%	0.6%	1.7%	29.9%
88	0.12	0.00	0.02	0.00	0.01	0.10	36.4%	36.4%	0.9%	6.5%	0.3%	1.5%	29.9%
89	0.11	0.00	0.02	0.00	0.01	0.09	37.8%	37.8%	0.7%	8.3%	0.4%	2.2%	30.9%
90	0.38	0.00	0.01	0.01	0.02	0.27	43.6%	43.6%	0.3%	0.6%	0.7%	2.1%	30.5%
91	0.37	0.00	0.01	0.01	0.02	0.29	44.1%	44.1%	0.2%	0.8%	0.6%	1.8%	34.6%
92	0.32	0.00	0.04	0.00	0.02	0.22	44.2%	44.2%	0.3%	5.9%	0.1%	2.7%	30.3%
93	0.27	0.01	0.08	0.00	0.02	0.25	46.0%	46.0%	0.9%	14.0%	0.3%	2.6%	43.2%
94	0.33	0.01	0.02	0.00	0.01	0.26	44.8%	44.8%	0.7%	2.9%	0.3%	1.9%	35.8%
95	0.41	0.01	0.05	0.00	0.02	0.34	46.8%	46.8%	0.7%	5.4%	0.1%	2.1%	38.7%
96	0.25	0.00	0.06	0.01	0.01	0.20	43.4%	43.4%	0.7%	10.4%	0.9%	1.9%	34.6%
97	1.02	0.01	0.04	0.02	0.05	0.80	48.1%	48.1%	0.3%	2.1%	1.1%	2.5%	37.7%
98	1.08	0.01	0.03	0.00	0.06	0.90	53.4%	53.4%	0.5%	1.7%	0.1%	3.1%	44.7%
99	0.95	0.02	0.03	0.00	0.07	0.84	55.1%	55.1%	0.9%	1.7%	0.2%	3.9%	48.7%
100	1.13	0.01	0.31	0.00	0.08	0.96	52.3%	52.3%	0.4%	14.5%	0.1%	3.8%	44.5%
101	0.93	0.01	0.42	0.00	0.07	0.85	47.0%	47.0%	0.5%	21.0%	0.1%	3.4%	43.1%
102	1.01	0.01	0.06	0.01	0.06	0.79	49.8%	49.8%	0.3%	3.2%	0.6%	2.7%	39.1%
103	1.02	0.01	0.03	0.00	0.07	0.91	56.6%	56.6%	0.7%	1.6%	0.2%	3.7%	50.4%
104	1.00	0.01	0.07	0.00	0.08	0.86	55.2%	55.2%	0.6%	4.0%	0.1%	4.6%	47.7%
105	1.11	0.01	0.36	0.00	0.08	0.96	50.9%	50.9%	0.4%	16.6%	0.1%	3.8%	44.1%
106	0.21	0.01	0.04	0.00	0.03	0.15	43.1%	43.1%	1.0%	8.7%	0.4%	5.8%	31.1%
107	0.22	0.00	0.03	0.00	0.02	0.14	40.2%	40.2%	0.5%	5.9%	0.7%	3.6%	24.2%
108	0.22	0.00	0.03	0.01	0.02	0.18	36.9%	36.9%	0.7%	5.1%	1.0%	3.7%	30.3%
109	0.23	0.01	0.04	0.00	0.02	0.18	40.5%	40.5%	1.4%	7.6%	0.7%	3.4%	31.9%
110	0.18	0.01	0.08	0.00	0.02	0.15	35.2%	35.2%	1.4%	15.5%	0.4%	4.1%	30.1%
111	0.64	0.01	0.03	0.01	0.07	0.37	47.5%	47.5%	0.5%	1.8%	0.8%	5.0%	27.1%
112	0.66	0.01	0.03	0.01	0.06	0.47	45.4%	45.4%	0.3%	1.8%	0.6%	4.4%	32.4%
113	0.52	0.01	0.05	0.00	0.07	0.33	46.8%	46.8%	0.5%	4.7%	0.2%	6.2%	30.0%
114	0.43	0.01	0.16	0.01	0.05	0.36	43.6%	43.6%	1.3%	16.3%	0.7%	5.4%	37.1%
115	0.42	0.01	0.04	0.01	0.05	0.34	43.9%	43.9%	0.9%	4.2%	0.6%	5.2%	35.0%
116	0.50	0.01	0.06	0.00	0.06	0.45	47.4%	47.4%	1.0%	5.2%	0.2%	5.8%	43.2%
117	0.36	0.02	0.11	0.01	0.05	0.28	37.4%	37.4%	1.6%	11.6%	0.6%	4.8%	29.2%
118	1.82	0.02	0.12	0.04	0.17	1.27	50.8%	50.8%	0.4%	3.5%	1.1%	4.6%	35.4%
119	1.88	0.03	0.07	0.01	0.24	1.41	57.1%	57.1%	0.8%	2.2%	0.2%	7.3%	42.7%
120	1.53	0.04	0.10	0.01	0.28	1.43	54.6%	54.6%	1.6%	3.6%	0.2%	9.9%	51.0%
121	1.58	0.03	0.35	0.01	0.27	1.14	51.1%	51.1%	0.8%	11.3%	0.2%	8.7%	37.0%
122	1.20	0.02	0.49	0.01	0.24	0.90	46.1%	46.1%	0.8%	18.9%	0.2%	9.1%	34.7%
123	1.77	0.02	0.12	0.02	0.20	1.22	53.5%	53.5%	0.5%	3.5%	0.6%	5.9%	36.9%
124	1.75	0.04	0.06	0.01	0.26	1.60	57.6%	57.6%	1.3%	2.1%	0.2%	8.4%	52.7%
125	1.59	0.04	0.10	0.00	0.32	1.30	54.3%	54.3%	1.3%	3.5%	0.1%	11.0%	44.3%
126	1.51	0.03	0.41	0.00	0.27	1.05	50.1%	50.1%	0.9%	13.6%	0.1%	8.8%	34.8%

- M–patch Mid CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2)						per Beam Back-off (dB)	max ratio out of all beams					
													100.0%	2.4%	37.0%	1.9%	43.9%	82.6%
						S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)		ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
64			1		1	0.17	0.00	0.01	0.00	0.05	0.11		100.0%	1.2%	4.0%	1.7%	27.7%	65.3%
65			3		1	0.16	0.00	0.01	0.00	0.03	0.05		100.0%	0.6%	8.9%	1.3%	16.5%	29.7%
66			5		1	0.17	0.00	0.02	0.00	0.03	0.05		100.0%	1.2%	14.0%	1.2%	19.9%	29.8%
67			7		1	0.17	0.00	0.03	0.00	0.04	0.08		100.0%	1.2%	17.1%	1.2%	20.6%	45.3%
68			9		1	0.16	0.00	0.05	0.00	0.03	0.07		100.0%	1.3%	33.5%	1.9%	18.4%	42.4%
69			14		2	0.40	0.00	0.02	0.01	0.10	0.16		100.0%	1.0%	6.0%	1.8%	24.8%	41.1%
70			15		2	0.38	0.00	0.01	0.00	0.10	0.18		100.0%	0.8%	3.5%	0.8%	25.9%	48.0%
71			16		2	0.28	0.00	0.02	0.00	0.08	0.16		100.0%	1.1%	6.4%	1.1%	26.8%	56.8%
72			17		2	0.38	0.01	0.12	0.00	0.09	0.13		100.0%	1.3%	32.1%	1.1%	22.9%	34.7%
73			21		2	0.41	0.00	0.02	0.01	0.10	0.18		100.0%	0.7%	4.1%	1.2%	25.1%	43.3%
74			22		2	0.32	0.00	0.01	0.00	0.09	0.17		100.0%	0.9%	4.4%	0.6%	27.7%	53.1%
75			23		2	0.39	0.01	0.11	0.00	0.09	0.15		100.0%	1.5%	27.7%	1.0%	23.2%	38.4%
76			29		5	1.10	0.01	0.08	0.02	0.26	0.39		100.0%	1.0%	7.4%	1.6%	23.9%	35.5%
77			30		5	0.94	0.01	0.03	0.01	0.38	0.36		100.0%	1.3%	3.2%	0.6%	40.3%	38.1%
78			31		5	0.75	0.02	0.05	0.01	0.28	0.42		100.0%	2.0%	6.6%	0.9%	37.8%	56.1%
79			32		5	0.68	0.01	0.10	0.01	0.30	0.28		100.0%	2.0%	14.5%	1.3%	43.9%	41.5%
80			33		5	0.90	0.01	0.27	0.01	0.31	0.20		100.0%	0.8%	29.7%	0.7%	34.2%	22.7%
81			38		5	1.07	0.01	0.05	0.02	0.29	0.38		100.0%	1.0%	4.5%	1.4%	27.4%	35.3%
82			39		5	0.84	0.02	0.03	0.01	0.31	0.45		100.0%	1.8%	3.8%	0.8%	37.5%	53.3%
83			40		5	0.70	0.02	0.07	0.01	0.31	0.37		100.0%	2.4%	9.7%	1.0%	43.8%	52.6%
84			41		5	0.76	0.01	0.19	0.01	0.31	0.25		100.0%	1.4%	24.6%	1.1%	40.2%	32.6%
85			129		1	0.31	0.00	0.03	0.00	0.02	0.21		100.0%	0.6%	10.6%	0.6%	6.1%	68.8%
86			131		1	0.40	0.00	0.03	0.00	0.01	0.24		100.0%	0.2%	8.2%	1.0%	3.5%	59.7%
87			133		1	0.36	0.00	0.03	0.00	0.01	0.25		100.0%	0.6%	8.3%	0.8%	3.6%	69.6%
88			135		1	0.36	0.00	0.04	0.00	0.02	0.26		100.0%	0.6%	11.0%	0.6%	4.1%	71.0%
89			137		1	0.29	0.00	0.06	0.00	0.02	0.21		100.0%	0.7%	21.0%	0.7%	5.5%	73.1%
90			142		2	0.95	0.00	0.01	0.01	0.04	0.66		100.0%	0.3%	1.5%	0.9%	4.4%	69.3%
91			143		2	0.92	0.00	0.02	0.01	0.04	0.65		100.0%	0.4%	2.3%	0.7%	4.3%	71.3%
92			144		2	0.85	0.00	0.08	0.00	0.05	0.57		100.0%	0.4%	9.3%	0.2%	5.9%	67.0%
93			145		2	0.61	0.01	0.18	0.00	0.04	0.49		100.0%	1.0%	30.0%	0.5%	7.1%	80.0%
94			149		2	0.79	0.00	0.04	0.00	0.04	0.60		100.0%	0.5%	4.8%	0.5%	5.2%	75.2%
95	M	Patch	150		2	0.91	0.00	0.08	0.00	0.05	0.70		100.0%	0.4%	9.0%	0.1%	5.2%	76.5%
96			151		2	0.65	0.00	0.12	0.01	0.03	0.46		100.0%	0.6%	18.0%	0.9%	4.8%	70.9%
97			157		5	2.31	0.01	0.09	0.03	0.12	1.65		100.0%	0.3%	3.9%	1.4%	5.3%	71.6%
98			158		5	2.08	0.01	0.06	0.00	0.15	1.64		100.0%	0.6%	3.0%	0.1%	7.1%	78.5%
99			159		5	1.84	0.02	0.06	0.00	0.16	1.48		100.0%	0.9%	3.5%	0.2%	8.5%	80.4%
100			160		5	2.30	0.01	0.52	0.00	0.19	1.87		100.0%	0.4%	22.4%	0.1%	8.1%	81.5%
101			161		5	2.14	0.01	0.79	0.01	0.15	1.77		100.0%	0.4%	37.0%	0.4%	6.9%	82.5%
102			166		5	2.14	0.01	0.09	0.01	0.13	1.58		100.0%	0.4%	4.1%	0.6%	6.2%	73.5%
103			167		5	1.82	0.01	0.06	0.00	0.15	1.50		100.0%	0.8%	3.2%	0.2%	8.2%	82.4%
104			168		5	2.05	0.01	0.18	0.00	0.17	1.64		100.0%	0.6%	8.7%	0.1%	8.3%	79.9%
105			169		5	2.31	0.01	0.61	0.00	0.18	1.91		100.0%	0.4%	26.4%	0.1%	7.8%	82.6%
106			1	129	2	0.53	0.01	0.05	0.01	0.09	0.39		100.0%	0.9%	8.9%	1.5%	16.0%	72.6%
107			3	131	2	0.70	0.00	0.07	0.01	0.05	0.39		100.0%	0.4%	9.4%	1.1%	7.0%	55.0%
108			5	133	2	0.70	0.01	0.05	0.01	0.06	0.38		100.0%	0.7%	7.5%	0.9%	8.6%	54.5%
109			7	135	2	0.70	0.01	0.09	0.01	0.07	0.41		100.0%	0.9%	12.2%	0.7%	10.2%	58.6%
110			9	137	2	0.57	0.01	0.16	0.01	0.07	0.34		100.0%	1.2%	27.1%	0.9%	11.5%	59.0%
111			14	142	4	1.55	0.01	0.05	0.02	0.17	0.91		100.0%	0.5%	3.1%	1.1%	11.0%	58.7%
112			15	143	4	1.70	0.01	0.05	0.01	0.15	1.14		100.0%	0.6%	3.0%	0.8%	9.0%	67.2%
113			16	144	4	1.31	0.01	0.10	0.01	0.19	0.82		100.0%	0.7%	7.7%	0.6%	14.2%	62.7%
114			17	145	4	1.20	0.02	0.38	0.01	0.19	0.72		100.0%	1.7%	31.9%	0.9%	15.4%	59.9%
115			21	149	4	1.15	0.01	0.06	0.01	0.14	0.77		100.0%	0.7%	5.4%	0.7%	11.8%	67.0%
116			22	150	4	1.24	0.01	0.11	0.00	0.14	0.88		100.0%	0.9%	9.1%	0.3%	11.3%	70.7%
117			23	151	4	1.21	0.01	0.26	0.01	0.15	0.74		100.0%	1.2%	21.3%	1.1%	12.2%	61.6%
118			29	157	10	4.31	0.03	0.30	0.05	0.49	2.81		100.0%	0.6%	7.0%	1.2%	11.3%	65.1%
119			30	158	10	3.75	0.04	0.14	0.01	0.62	2.58		100.0%	1.1%	3.6%	0.3%	16.5%	68.7%
120			31	159	10	3.42	0.06	0.19	0.01	0.54	2.53		100.0%	1.7%	5.5%	0.4%	15.7%	74.0%
121			32	160	10	3.63	0.04	0.61	0.01	0.74	2.35		100.0%	1.0%	16.9%	0.4%	20.3%	64.7%
122			33	161	10	3.42	0.03	0.98	0.02	0.64	2.30		100.0%	0.7%	28.6%	0.6%	18.6%	67.1%
123			38	166	10	3.94	0.04	0.23	0.02	0.52	2.62		100.0%	0.9%	5.9%	0.6%	13.2%	66.6%
124			39	167	10	3.54	0.06	0.13	0.02	0.56	2.66		100.0%	1.6%	3.6%	0.4%	15.8%	75.1%
125			40	168	10	3.52	0.06	0.23	0.01	0.70	2.39		100.0%	1.6%	6.6%	0.3%	19.9%	67.9%
126			41	169	10	3.62	0.03	0.76	0.02	0.73	2.37		100.0%	0.8%	20.9%	0.4%	20.1%	65.6%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance						max ratio out of all beams						
							61.7%	61.7%	2.4%	22.1%	1.3%	25.8%	47.6%
	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
64	0.09	0.00	0.00	0.00	0.03	0.06	49.7%	49.7%	0.6%	2.3%	1.2%	14.5%	34.1%
65	0.06	0.00	0.01	0.00	0.01	0.02	37.3%	37.3%	0.6%	5.7%	0.6%	7.6%	11.4%
66	0.06	0.00	0.02	0.00	0.01	0.02	36.3%	36.3%	0.6%	8.8%	0.6%	8.2%	11.7%
67	0.07	0.00	0.02	0.00	0.02	0.04	40.0%	40.0%	1.2%	10.6%	0.6%	9.4%	21.8%
68	0.05	0.00	0.03	0.00	0.01	0.03	33.5%	33.5%	1.3%	19.0%	0.6%	8.2%	21.5%
69	0.20	0.00	0.02	0.00	0.05	0.08	49.4%	49.4%	0.5%	3.8%	1.0%	12.5%	19.0%
70	0.18	0.00	0.01	0.00	0.05	0.08	48.5%	48.5%	0.5%	2.4%	0.5%	12.3%	22.4%
71	0.11	0.00	0.02	0.00	0.04	0.07	39.3%	39.3%	0.7%	5.4%	0.7%	13.6%	23.6%
72	0.16	0.01	0.07	0.00	0.03	0.06	43.2%	43.2%	1.3%	18.2%	0.5%	8.4%	15.0%
73	0.21	0.00	0.01	0.00	0.05	0.08	50.1%	50.1%	0.5%	2.7%	0.7%	12.4%	20.2%
74	0.14	0.00	0.01	0.00	0.04	0.08	44.7%	44.7%	0.6%	3.8%	0.3%	13.5%	23.6%
75	0.17	0.01	0.06	0.00	0.03	0.07	43.5%	43.5%	1.5%	16.0%	0.5%	8.4%	17.3%
76	0.54	0.01	0.04	0.01	0.13	0.16	49.4%	49.4%	0.7%	3.6%	0.9%	11.5%	14.1%
77	0.57	0.01	0.02	0.00	0.22	0.16	61.3%	61.3%	1.1%	1.6%	0.3%	23.3%	16.8%
78	0.38	0.01	0.03	0.00	0.17	0.19	51.3%	51.3%	1.9%	3.5%	0.5%	23.3%	26.0%
79	0.40	0.01	0.07	0.00	0.16	0.15	58.6%	58.6%	1.9%	10.1%	0.6%	23.8%	22.5%
80	0.49	0.01	0.18	0.00	0.14	0.10	54.7%	54.7%	0.8%	20.0%	0.4%	15.5%	11.0%
81	0.56	0.01	0.02	0.01	0.15	0.15	52.5%	52.5%	0.7%	2.1%	0.7%	13.6%	13.7%
82	0.46	0.01	0.02	0.00	0.20	0.21	54.4%	54.4%	1.7%	2.5%	0.4%	23.4%	25.2%
83	0.39	0.02	0.03	0.00	0.18	0.18	55.3%	55.3%	2.4%	4.9%	0.4%	25.8%	25.2%
84	0.46	0.01	0.13	0.00	0.15	0.13	60.2%	60.2%	1.2%	17.5%	0.5%	19.4%	17.1%
85	0.12	0.00	0.02	0.00	0.01	0.09	39.5%	39.5%	0.6%	7.7%	0.6%	3.5%	29.3%
86	0.14	0.00	0.02	0.00	0.01	0.09	35.3%	35.3%	0.2%	5.5%	0.7%	1.5%	23.1%
87	0.14	0.00	0.02	0.00	0.01	0.10	37.6%	37.6%	0.6%	5.0%	0.6%	1.4%	28.2%
88	0.14	0.00	0.02	0.00	0.01	0.10	37.6%	37.6%	0.6%	5.8%	0.6%	1.7%	28.2%
89	0.12	0.00	0.03	0.00	0.01	0.08	40.0%	40.0%	0.7%	10.3%	0.7%	2.4%	26.2%
90	0.39	0.00	0.01	0.01	0.02	0.27	41.4%	41.4%	0.2%	0.6%	0.8%	1.8%	27.8%
91	0.41	0.00	0.01	0.01	0.02	0.30	44.8%	44.8%	0.3%	1.3%	0.5%	1.6%	32.9%
92	0.38	0.00	0.06	0.00	0.02	0.24	45.4%	45.4%	0.4%	6.5%	0.1%	2.7%	28.6%
93	0.28	0.01	0.09	0.00	0.02	0.23	46.5%	46.5%	1.0%	15.2%	0.3%	3.5%	37.1%
94	0.37	0.00	0.02	0.00	0.02	0.27	46.5%	46.5%	0.4%	2.3%	0.5%	2.1%	33.6%
95	0.43	0.00	0.05	0.00	0.02	0.33	47.6%	47.6%	0.4%	5.3%	0.1%	2.2%	36.3%
96	0.29	0.00	0.08	0.01	0.01	0.18	44.4%	44.4%	0.5%	11.6%	0.8%	2.2%	27.4%
97	1.09	0.01	0.05	0.03	0.06	0.79	47.3%	47.3%	0.3%	2.2%	1.3%	2.4%	34.3%
98	1.14	0.01	0.03	0.00	0.07	0.93	54.6%	54.6%	0.5%	1.3%	0.1%	3.3%	44.6%
99	1.07	0.02	0.03	0.00	0.08	0.83	58.4%	58.4%	0.8%	1.8%	0.2%	4.1%	45.0%
100	1.22	0.01	0.31	0.00	0.10	0.97	53.2%	53.2%	0.3%	13.3%	0.0%	4.1%	42.1%
101	1.04	0.01	0.47	0.01	0.08	0.88	48.7%	48.7%	0.3%	22.1%	0.2%	3.6%	41.2%
102	1.09	0.01	0.05	0.01	0.06	0.82	50.7%	50.7%	0.2%	2.2%	0.6%	2.8%	38.3%
103	1.07	0.01	0.03	0.00	0.07	0.87	59.1%	59.1%	0.7%	1.8%	0.2%	3.9%	47.6%
104	1.18	0.01	0.08	0.00	0.09	0.92	57.3%	57.3%	0.6%	3.7%	0.0%	4.5%	44.5%
105	1.21	0.01	0.37	0.00	0.09	0.97	52.3%	52.3%	0.3%	15.8%	0.1%	3.9%	41.9%
106	0.23	0.01	0.03	0.01	0.04	0.17	43.8%	43.8%	0.9%	6.0%	0.9%	7.9%	31.5%
107	0.29	0.00	0.05	0.01	0.02	0.17	40.8%	40.8%	0.3%	6.5%	1.0%	3.4%	23.6%
108	0.27	0.01	0.03	0.01	0.02	0.16	38.9%	38.9%	0.7%	4.6%	0.9%	3.3%	22.8%
109	0.29	0.01	0.05	0.00	0.03	0.17	41.5%	41.5%	0.9%	6.7%	0.4%	4.1%	24.5%
110	0.22	0.01	0.08	0.00	0.03	0.14	38.9%	38.9%	1.0%	14.3%	0.5%	4.9%	24.4%
111	0.73	0.01	0.03	0.02	0.09	0.41	46.9%	46.9%	0.4%	2.1%	1.0%	5.5%	26.6%
112	0.79	0.01	0.03	0.01	0.07	0.50	46.6%	46.6%	0.4%	1.6%	0.7%	4.4%	29.4%
113	0.61	0.01	0.07	0.01	0.10	0.35	46.8%	46.8%	0.7%	5.4%	0.4%	7.4%	26.4%
114	0.54	0.02	0.21	0.01	0.08	0.34	44.7%	44.7%	1.6%	17.6%	0.5%	6.9%	27.9%
115	0.56	0.01	0.03	0.01	0.07	0.36	48.7%	48.7%	0.6%	3.0%	0.6%	6.3%	31.2%
116	0.62	0.01	0.07	0.00	0.08	0.43	50.2%	50.2%	0.7%	5.4%	0.2%	6.3%	35.1%
117	0.50	0.01	0.16	0.01	0.06	0.28	41.6%	41.6%	1.0%	12.9%	0.7%	5.0%	23.3%
118	2.15	0.02	0.16	0.05	0.23	1.35	50.0%	50.0%	0.4%	3.8%	1.1%	5.4%	31.3%
119	2.21	0.03	0.06	0.01	0.34	1.40	58.8%	58.8%	0.9%	1.6%	0.2%	9.1%	37.2%
120	2.04	0.06	0.11	0.01	0.32	1.43	59.5%	59.5%	1.6%	3.2%	0.3%	9.2%	41.8%
121	1.89	0.03	0.38	0.01	0.40	1.13	52.0%	52.0%	0.9%	10.6%	0.2%	11.1%	31.0%
122	1.60	0.02	0.59	0.01	0.32	1.14	46.8%	46.8%	0.6%	17.3%	0.4%	9.3%	33.4%
123	2.11	0.02	0.12	0.02	0.26	1.33	53.5%	53.5%	0.5%	3.1%	0.6%	6.5%	33.8%
124	2.18	0.05	0.09	0.01	0.33	1.48	61.7%	61.7%	1.4%	2.4%	0.3%	9.2%	41.7%
125	2.02	0.05	0.10	0.01	0.42	1.32	57.2%	57.2%	1.5%	2.7%	0.1%	12.0%	37.6%
126	1.85	0.03	0.47	0.01	0.37	1.17	51.1%	51.1%	0.7%	12.9%	0.3%	10.3%	32.4%

- M–patch High CH

							4cm2 PD(mW)/(cm2)									max ratio out of all beams							4cm2 PD(mW)/cm2 at 10mm evaluation distance							max ratio out of all beams						
															per Beam Back-off (dB)	100.0%	2.4%	35.5%	1.8%	38.1%	81.1%								64.3%	64.3%	2.4%	20.7%	1.2%	20.8%	44.9%
No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.		S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)		ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Front 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
64			1		1		0.20	0.00	0.02	0.00	0.05	0.11		100.0%	1.0%	8.1%	1.5%	23.9%	57.4%	0.10	0.00	0.01	0.02	0.02	0.06	50.3%	50.3%	1.0%	4.1%	1.0%	12.2%	28.4%
65			2		1		0.20	0.00	0.02	0.00	0.03	0.06		100.0%	1.0%	8.7%	1.5%	14.4%	29.7%	0.09	0.00	0.01	0.00	0.01	0.02	46.7%	46.7%	1.0%	6.2%	1.0%	5.6%	13.3%
66			5		1		0.22	0.00	0.03	0.00	0.04	0.07		100.0%	0.9%	12.7%	0.9%	17.2%	35.5%	0.09	0.00	0.02	0.00	0.02	0.03	39.8%	39.8%	0.5%	8.1%	0.9%	6.8%	17.8%
67			7		1		0.21	0.00	0.03	0.00	0.05	0.08		100.0%	1.4%	14.8%	1.4%	21.4%	37.6%	0.09	0.00	0.02	0.00	0.02	0.03	43.3%	43.3%	1.4%	10.0%	0.5%	8.1%	15.2%
68			9		1		0.17	0.00	0.06	0.00	0.03	0.06		100.0%	2.4%	35.5%	1.8%	18.9%	27.9%	0.07	0.00	0.04	0.00	0.01	0.03	40.8%	40.8%	2.4%	20.7%	0.6%	8.3%	15.4%
69			14		2		0.45	0.01	0.04	0.01	0.10	0.19		100.0%	1.1%	8.2%	1.5%	21.8%	40.8%	0.24	0.01	0.02	0.00	0.05	0.09	52.5%	52.5%	0.5%	4.5%	0.9%	9.9%	19.6%
70			15		2		0.51	0.01	0.02	0.00	0.12	0.20		100.0%	1.0%	4.3%	0.8%	23.4%	39.5%	0.28	0.00	0.01	0.00	0.06	0.08	55.2%	55.2%	0.6%	2.6%	0.4%	11.4%	16.5%
71			16		2		0.37	0.01	0.04	0.00	0.08	0.15		100.0%	1.5%	9.7%	0.6%	22.0%	41.1%	0.17	0.00	0.03	0.00	0.03	0.07	44.9%	44.9%	1.1%	7.8%	0.3%	9.1%	17.0%
72			17		2		0.41	0.01	0.12	0.01	0.11	0.15		100.0%	1.5%	29.9%	1.5%	25.5%	35.9%	0.21	0.01	0.07	0.00	0.04	0.05	50.7%	50.7%	1.2%	17.0%	0.5%	10.4%	13.1%
73			21		2		0.52	0.01	0.03	0.01	0.12	0.21		100.0%	1.0%	5.2%	1.2%	22.9%	39.9%	0.29	0.00	0.01	0.00	0.06	0.09	55.6%	55.6%	0.8%	2.7%	0.6%	10.9%	17.4%
74			22		2		0.44	0.01	0.03	0.00	0.10	0.17		100.0%	1.1%	6.5%	0.7%	22.6%	38.6%	0.22	0.00	0.02	0.00	0.05	0.07	50.3%	50.3%	0.9%	5.2%	0.5%	10.6%	14.9%
75			23		2		0.44	0.01	0.11	0.00	0.11	0.17		100.0%	1.8%	24.1%	0.9%	25.9%	38.9%	0.22	0.01	0.06	0.00	0.05	0.07	50.7%	50.7%	1.4%	13.5%	0.5%	11.0%	14.9%
76			29		5		1.25	0.01	0.13	0.02	0.18	0.42		100.0%	0.9%	7.6%	1.1%	26.2%	50.2%	0.71	0.01	0.03	0.01	0.17	0.16	51.8%	51.8%	0.9%	3.3%	0.9%	12.4%	11.9%
77			30		5		1.04	0.02	0.08	0.01	0.36	0.35		100.0%	1.4%	7.5%	0.6%	34.6%	34.0%	0.61	0.01	0.05	0.00	0.22	0.16	58.9%	58.9%	1.2%	4.3%	0.3%	20.8%	15.8%
78			31		5		1.05	0.02	0.05	0.01	0.27	0.52		100.0%	2.8%	5.0%	0.8%	25.8%	49.6%	0.67	0.01	0.03	0.01	0.15	0.27	64.1%	64.1%	1.9%	3.2%	0.4%	14.2%	25.7%
79			32		5		0.96	0.02	0.14	0.01	0.36	0.33		100.0%	1.6%	14.3%	0.9%	38.1%	34.4%	0.54	0.01	0.07	0.01	0.20	0.16	56.9%	56.9%	1.4%	7.5%	0.5%	20.5%	16.5%
80			33		5		1.15	0.01	0.28	0.01	0.37	0.26		100.0%	0.7%	24.6%	1.0%	31.9%	22.7%	0.63	0.01	0.20	0.01	0.17	0.10	55.0%	55.0%	0.7%	17.6%	0.5%	14.5%	8.7%
81			38		5		1.29	0.01	0.06	0.01	0.37	0.37		100.0%	1.0%	4.8%	0.9%	28.0%	29.0%	0.68	0.01	0.03	0.01	0.19	0.15	52.3%	52.3%	1.1%	2.2%	0.7%	14.6%	11.8%
82			39		5		1.10	0.01	0.05	0.01	0.30	0.55		100.0%	1.7%	4.7%	0.5%	27.1%	49.9%	0.69	0.01	0.03	0.00	0.18	0.29	62.5%	62.5%	1.5%	2.7%	0.3%	16.0%	26.7%
83			40		5		0.97	0.02	0.09	0.01	0.30	0.46		100.0%	2.2%	9.3%	0.9%	31.2%	47.9%	0.60	0.02	0.05	0.00	0.17	0.23	61.9%	61.9%	2.0%	5.4%	0.4%	17.4%	23.4%
84			41		5		1.05	0.02	0.13	0.01	0.40	0.27		100.0%	1.1%	16.5%	0.9%	27.8%	23.8%	0.61	0.01	0.14	0.01	0.20	0.12	57.9%	57.9%	1.0%	11.1%	0.5%	18.8%	11.4%
85			128		1		0.24	0.00	0.03	0.00	0.02	0.23		100.0%	0.6%	9.9%	0.9%	4.4%	66.1%	0.14	0.00	0.02	0.00	0.01	0.09	39.5%	39.5%	0.6%	7.3%	0.6%	2.0%	25.1%
86			133		1		0.42	0.00	0.04	0.00	0.02	0.24		100.0%	0.2%	8.3%	0.9%	4.0%	56.0%	0.25	0.00	0.02	0.00	0.01	0.09	36.2%	36.2%	0.2%	6.7%	0.7%	1.7%	21.3%
87			134		1		0.29	0.00	0.03	0.00	0.01	0.24		100.0%	0.6%	8.1%	0.9%	1.7%	61.6%	0.14	0.00	0.02	0.00	0.01	0.09	40.2%	40.2%	0.6%	6.0%	0.6%	1.4%	26.8%
88			135		1		0.37	0.00	0.03	0.00	0.02	0.23		100.0%	0.3%	9.0%	0.5%	4.4%	64.1%	0.14	0.00	0.02	0.00	0.01	0.10	39.5%	39.5%	0.3%	4.9%	0.5%	1.9%	27.1%
89			137		1		0.30	0.00	0.05	0.00	0.02	0.23		100.0%	0.3%	18.2%	0.5%	5.4%	69.7%	0.13	0.00	0.03	0.00	0.01	0.08	42.4%	42.4%	0.3%	9.1%	0.3%	2.4%	25.3%
90			142		2		0.65	0.00	0.03	0.01	0.04	0.63		100.0%	0.3%	2.7%	1.0%	4.5%	66.2%	0.40	0.00	0.01	0.01	0.02	0.26	42.6%	42.6%	0.3%	1.5%	0.8%	1.9%	27.5%
91			143		2		0.66	0.00	0.02	0.01	0.04	0.66		100.0%	0.3%	2.0%	0.7%	4.4%	69.0%	0.43	0.00	0.01	0.01	0.02	0.29	45.2%	45.2%	0.3%	0.5%	0.7%	1.8%	29.8%
92			144		2		0.69	0.00	0.08	0.00	0.05	0.60		100.0%	0.3%	8.4%	0.2%	5.5%	67.2%	0.43	0.00	0.05	0.00	0.02	0.26	48.0%	48.0%	0.3%	6.1%	0.1%	2.4%	28.8%
93			145		2		0.58	0.00	0.16	0.00	0.04	0.64		100.0%	0.7%	27.0%	0.5%	6.9%	73.9%	0.29	0.00	0.08	0.00	0.02	0.21	49.9%	49.9%	0.7%	13.7%	0.3%	3.1%	37.1%
94			149		2		0.62	0.00	0.04	0.00	0.05	0.57		100.0%	0.4%	4.6%	0.4%	5.6%	69.3%	0.39	0.00	0.02	0.00	0.02	0.26	47.8%	47.8%	0.2%	2.4%	0.4%	2.3%	31.4%
95	M	Patch	150		2		0.62	0.00	0.07	0.00	0.05	0.67		100.0%	0.4%	7.7%	0.1%	5.6%	72.0%	0.42	0.00	0.04	0.00	0.02	0.31	49.0%	49.0%	0.4%	4.5%	0.1%	2.4%	34.7%
96			151		2		0.68	0.00	0.12	0.01	0.03	0.49		100.0%	0.4%	17.7%	0.9%	4.9%	72.6%	0.31	0.00	0.08	0.01	0.02	0.19	45.2%	45.2%	0.4%	11.8%	0.3%	2.2%	28.1%
97			157		5		2.41	0.01	0.06	0.03	0.14	1.65		100.0%	0.3%	2.6%	1.3%	5.8%	69.6%	1.17	0.01	0.04	0.03	0.06	0.83	46.7%	46.7%	0.2%	1.5%	1.2%	2.6%	34.0%
98			158		5		2.13	0.01	0.08	0.00	0.17	1.59		100.0%	0.6%	3.8%	0.1%	8.1%	74.5%	1.20	0.01	0.04	0.00	0.08	0.88	56.2%	56.2%	0.4%	1.8%	0.1%	3.8%	41.1%
99			159		5		1.91	0.01	0.04	0.01	0.18	1.47		100.0%	0.7%	2.0%	0.3%	9.3%	77.0%	1.12	0.01	0.02	0.00	0.09	0.81	54.7%	54.7%	0.6%	1.2%	0.2%	4.6%	42.2%
100			160		5		2.31	0.01	0.02	0.00	0.19	1.82		100.0%	0.3%	21.8%	0.1%	8.3%	78.9%	1.26	0.01	0.29	0.00	0.10	0.93	54.7%	54.7%	0.3%	12.8%	0.1%	4.2%	42.3%
101			161		5		2.14	0.01	0.71	0.01	0.15	1.74		100.0%	0.4%	33.1%	0.3%	9.9%	81.1%	1.07	0.01	0.44	0.00	0.07	0.85	49.8%	49.8%	0.3%	20.4%	0.2%	3.1%	39.5%
102			166		5		2.25	0.01	0.07	0.01	0.16	1.62		100.0%	0.3%	3.1%	0.6%	7.1%	73.9%	1.19	0.01	0.04	0.01	0.07	0.85	52.9%	52.9%	0.2%	1.9%	0.5%	3.2%	37.8%
103			167		5		1.86	0.01	0.07	0.01	0.17	1.46		100.0%	0.6%	3.6%	0.3%	8.9%	78.8%	1.11	0.01	0.04	0.01	0.08	0.83	59.6%	59.6%	0.4%	2.1%	0.3%	4.3%	44.9%
104			168		5		2.04	0.01	0.15	0.00	0.19	1.58		100.0%	0.6%	7.5%	0.0%	9.2%	77.5%	1.21	0.01	0.07	0.00	0.09	0.86	59.3%	59.3%	0.6%	3.3%	0.0%	4.6%	41.9%
105			169		5		2.23	0.01	0.57	0.00	0.19	1.85		100.0%	0.4%	24.3%	0.2%	9.0%	79.7%	1.25	0.01	0.33	0.00	0.09	0.93	53.6%	53.6%	0.3%	14.2%	0.1%	3.9%	39.9%
106			1	129	2		0.57	0.01	0.05	0.01	0.06	0.37		100.0%	0.9%	8.2%	1.2%	11.8%	65.3%	0.24	0.01	0.03	0.00	0.03	0.16	45.5%	45.5%	0.7%	5.4%	0.7%	5.2%	27.2%
107			3	131	2		0.72	0.00	0.07	0.01	0.06	0.38		100.0%	0.5%	9.3%	1.3%	8.1%	49.4%	0.33	0.00	0.05	0.01	0.02	0.15	42.0%	42.0%	0.5%	6.6%	1.2%	3.0%	19.8%
108			5	133	2		0.76	0.01	0.08	0.01	0.06	0.38		100.0%	0.7%	9.6%	1.0%	6.4%	46.5%	0.32	0.00	0.05	0.01	0.03	0.15	42.3%	42.3%	0.5%	6.3%	0.9%	3.4%	19.0%
109			7	135	2		0.76	0.01	0.09	0.01	0.08	0.38		100.0%	0.9%	11.5%	0.9%	10.6%	50.6%	0.33	0.01	0.05	0.00	0.03	0.16	44.1%	44.1%	0.9%	6.4%	0.5%	4.5%	21.2%
110			9	137	2		0.81	0.01	0.17	0.00	0.07	0.33		100.0%	1.3%	27.3%	0.7%	11.0%	53.9%	0.26	0.01	0.09	0.00	0.03	0.13	42.0%	42.0%	1.3%	13.3%	0.3%	4.8%	19.8%
111			14	142	4		1.57	0.01	0.03	0.02	0.17	0.92		100.0%	0.6%	5.7%	1.1%	10.6%	59.4%	0.74	0.01	0.04	0.02	0.07	0.42	48.7%	48.7%	0.6%	2.6%	1.1%	4.5%	26.7%
112			15	143	4		1.79	0.01	0.06	0.02	0.18	1.08		100.0%	0.5%	3.6%	0.9%	10.7%	60.6%	0.86	0.01	0.03	0.02	0.08	0.49	48.0%	48.0%	0.4%	1.7%	0.8%	4.6%	24.0%
113			16	144	4		1.28	0.01	0.12	0.01	0.17	0.86		100.0%	0.8%	8.8%	0.5%	12.6%	62.3%	0.68	0.01	0.08	0.00	0.07	0.36	49.1%	49.1%	0.6%	4.0%	0.3%	5.1%	25.7%
114			17	145	4		1.23	0.02	0.37	0.01	0.19	0.72		100.0%	1.5%	30.0%	0.9%	15.4%	58.7%	0.69	0.02	0.22	0.01	0.09	0.34	49.3%	49.3%	1.3%	17.6%	0.5%	7.3%	27.8%
115			21	149	4		1.21	0.01	0.10	0.01	0.16	0.73		100.0%	0.7%	7.9%	0.7%	13.2%	60.1%	0.61	0.01	0.05	0.01	0.08	0.35	50.6%	50.6%	0.5%	4.1%	0.6%	6.6%	28.8%
116			22	150	4		1.39	0.01	0.11	0.00	0.17	0.85		100.0%	0.8%	7.8%	0.3%	11.8%	69.9%	0.75	0.01	0.07	0.00	0.08	0.41	54.0%	54.0%	0.6%	5.2%	0.3%	5.5%	29.2%
117			23	151	4		1.22	0.01	0.27	0.01	0.18	0.80		100.0%	1.0%	20.2%	0.5%	13.5%	60.3%	0.58	0.01	0.18	0.01	0.08	0.30	43.9%	43.9%	0.8%	13.5%	0.6%	6.1%	22.7%
118			29	157	10		4.68	0.02	0.27	0.06	0.62	2.85		100.0%	0.5%	5.8%	1.2%	13.2%	60.9%	2.35	0.02	0.14	0.05	0.28	1.39	50.2%	50.2%	0.5%	2.9%	1.1%	5.9%	29.8%
119			30	158	10		4.01	0.04	0.23	0.01	0.66	2.51		100.0%	0.7%	6.2%	0.3%	16.5%	62.6%	2.41	0.02	0.14	0.01	0.37	1.34	60.1%	60.1%	0.7%	2.4%	0.3%	9.1%	33.4%
120			31	159	10		3.86	0.06	0.35	0.01	0.60	2.69		100.0%	1.6%	3.8%	0.3%	15.1%	68.0%	2.48	0.05	0.09	0.01	0.31	1.53	62.7%	62.7%	1.4%	2.3%	0.2%	7.9%	38.8%
121			37	165	10		3.91	0.03	0.63	0.02	0.60	2.38		100.0%	0.8%	16.0%	0.4%	16.4%	60.8%	2.16	0.02	0.27	0.01	0.44	1.36	53.7%	53.7%	0.7%	6.4%	0.2%	11.2%	29.5%
122			38	166	10		4.33	0.03	0.22	0.03	0.66	2.60		100.0%	0.6%	5.0%	0.6%	15.2%	60.1%	2.36	0.03	0.12	0.03	0.31	1.33	54.4%	54.4%	0.6%	2.8%	0.6%	7.2%	30.7%
123			39	167	10		3.89	0.03	0.14	0.01	0.62	2.70		100.0%	0.2%	3.7%	0.5%	15.8%	69.3%	2.50	0.04	0.08	0.01	0.33	1.54	64.0%	64.0%	0.2%	2.0%	0.2%	8.5%	39.7%
124			40	168	10		3.93	0.06	0.25	0.01	0.69	2.54		100.0%	1.6%	6.3%	0.3%	17.4%	64.7%	2.40	0.06	0.13	0.01	0.37	1.37	61.1%	61.1%	1.5%	3.4%	0.2%	9.5%	34.9%
125			41	169	10		3.86	0.03	0.77	0.02	0.81	2.46		100.0%	0.7%	20.6%	0.5%	20.9%	63.7%	2.92	0.03	0.45	0.01	0.43	1.22	52.1%	52.1%	0.6%	11.7%	0.3%	11.0%	31.7%

Table 6. PD of Ant M – patch antenna (28GHz – n261)

[Folder Open Status]

- M–patch Low CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
max ratio out of all beams													100.0%	0.8%	34.4%	2.8%	74.6%	100.0%
64			1		1	0.26	0.00	0.01	0.00	0.13	0.10		100.0%	0.0%	3.0%	0.0%	47.9%	39.2%
65			3		1	0.26	0.00	0.02	0.00	0.14	0.11		100.0%	0.4%	8.7%	0.8%	52.9%	40.7%
66			5		1	0.22	0.00	0.02	0.00	0.14	0.09		100.0%	0.5%	9.1%	0.5%	61.4%	40.0%
67			7		1	0.22	0.00	0.03	0.00	0.15	0.11		100.0%	0.5%	11.5%	0.5%	66.8%	48.4%
68			9		1	0.26	0.00	0.02	0.00	0.16	0.06		100.0%	0.4%	8.0%	0.8%	61.7%	24.1%
69			14		2	0.48	0.00	0.05	0.00	0.22	0.20		100.0%	0.2%	10.9%	0.6%	45.9%	41.5%
70			15		2	0.61	0.00	0.04	0.00	0.33	0.19		100.0%	0.2%	6.5%	0.2%	54.5%	30.8%
71			16		2	0.48	0.00	0.02	0.00	0.27	0.17		100.0%	0.2%	3.9%	0.4%	56.0%	35.1%
72			17		2	0.45	0.00	0.07	0.01	0.26	0.19		100.0%	0.4%	14.4%	1.1%	58.4%	41.6%
73			21		2	0.56	0.00	0.05	0.00	0.29	0.19		100.0%	0.2%	9.1%	0.4%	52.0%	34.1%
74			22		2	0.56	0.00	0.02	0.00	0.32	0.19		100.0%	0.2%	2.8%	0.2%	57.5%	33.1%
75			23		2	0.45	0.00	0.03	0.00	0.24	0.17		100.0%	0.2%	5.6%	0.4%	54.2%	37.8%
76			29		5	1.01	0.00	0.30	0.00	0.73	0.43		100.0%	0.3%	29.4%	0.4%	72.7%	43.0%
77			30		5	1.17	0.01	0.18	0.00	0.82	0.56		100.0%	0.4%	15.6%	0.3%	69.9%	47.7%
78			31		5	1.15	0.00	0.03	0.00	0.82	0.39		100.0%	0.3%	3.0%	0.2%	71.7%	34.1%
79			32		5	1.12	0.00	0.06	0.00	0.83	0.60		100.0%	0.4%	5.4%	0.2%	74.1%	54.1%
80			33		5	1.18	0.00	0.10	0.02	0.68	0.44		100.0%	0.3%	8.2%	1.6%	57.9%	37.0%
81			38		5	1.11	0.00	0.26	0.01	0.83	0.58		100.0%	0.3%	23.4%	0.4%	74.6%	52.4%
82			39		5	1.14	0.00	0.06	0.00	0.78	0.53		100.0%	0.3%	5.1%	0.2%	67.8%	46.0%
83			40		5	1.19	0.01	0.04	0.00	0.85	0.54		100.0%	0.4%	3.0%	0.3%	70.9%	45.5%
84			41		5	1.30	0.00	0.05	0.01	0.84	0.56		100.0%	0.3%	3.8%	0.7%	64.8%	43.3%
85			129		1	0.10	0.00	0.01	0.00	0.03	0.16		64.8%	0.0%	6.3%	0.6%	16.4%	100.0%
86			131		1	0.17	0.00	0.02	0.00	0.05	0.23		72.8%	0.0%	9.2%	1.8%	21.5%	100.0%
87			133		1	0.18	0.00	0.03	0.00	0.04	0.26		67.0%	0.0%	9.6%	0.8%	14.6%	100.0%
88			135		1	0.17	0.00	0.03	0.00	0.05	0.21		80.8%	0.0%	12.1%	0.9%	24.3%	100.0%
89			137		1	0.11	0.00	0.04	0.00	0.03	0.16		68.5%	0.6%	23.5%	0.6%	17.9%	100.0%
90			142		2	0.35	0.00	0.09	0.00	0.08	0.41		85.0%	0.2%	22.1%	0.2%	20.1%	100.0%
91			143		2	0.44	0.00	0.04	0.00	0.09	0.59		75.0%	0.2%	7.3%	0.2%	15.8%	100.0%
92			144		2	0.47	0.00	0.01	0.00	0.10	0.65		72.3%	0.2%	2.2%	0.3%	15.9%	100.0%
93			145		2	0.23	0.00	0.02	0.01	0.06	0.39		58.9%	0.3%	5.6%	1.8%	14.5%	100.0%
94			149		2	0.42	0.00	0.07	0.01	0.09	0.50		82.3%	0.2%	14.1%	1.0%	16.9%	100.0%
95	M	Patch	150		2	0.46	0.00	0.03	0.00	0.10	0.61		74.4%	0.2%	4.9%	0.5%	16.8%	100.0%
96			151		2	0.37	0.00	0.06	0.01	0.08	0.49		74.9%	0.2%	11.9%	1.2%	16.6%	100.0%
97			157		5	0.95	0.00	0.37	0.00	0.14	1.07		89.3%	0.2%	34.4%	0.4%	13.5%	100.0%
98			158		5	1.04	0.00	0.20	0.00	0.25	1.25		83.6%	0.2%	15.7%	0.2%	20.3%	100.0%
99			159		5	1.12	0.00	0.04	0.00	0.20	1.37		81.6%	0.2%	2.5%	0.1%	14.4%	100.0%
100			160		5	1.01	0.00	0.04	0.00	0.28	1.40		71.7%	0.3%	2.8%	0.2%	20.3%	100.0%
101			161		5	0.89	0.00	0.07	0.03	0.16	1.29		69.2%	0.2%	5.0%	2.0%	12.5%	100.0%
102			166		5	1.05	0.00	0.28	0.00	0.21	1.22		85.6%	0.1%	22.9%	0.3%	17.0%	100.0%
103			167		5	1.04	0.00	0.10	0.00	0.24	1.27		81.7%	0.2%	8.1%	0.1%	19.0%	100.0%
104			168		5	1.03	0.00	0.06	0.01	0.22	1.26		81.6%	0.2%	4.6%	0.5%	17.4%	100.0%
105			169		5	0.95	0.00	0.03	0.01	0.23	1.42		67.0%	0.2%	1.8%	0.6%	16.1%	100.0%
106			1	129	2	0.43	0.00	0.03	0.00	0.22	0.32		100.0%	0.2%	5.9%	0.5%	52.5%	75.6%
107			3	131	2	0.46	0.00	0.06	0.01	0.23	0.37		100.0%	0.2%	12.0%	2.2%	50.4%	81.0%
108			5	133	2	0.42	0.00	0.05	0.00	0.19	0.42		99.3%	0.5%	12.2%	0.7%	46.2%	100.0%
109			7	135	2	0.44	0.00	0.07	0.00	0.25	0.40		100.0%	0.5%	16.1%	0.7%	56.2%	92.7%
110			9	137	2	0.38	0.00	0.08	0.00	0.23	0.31		100.0%	0.8%	20.4%	1.1%	61.4%	81.7%
111			14	142	4	0.77	0.00	0.15	0.01	0.34	0.67		100.0%	0.3%	19.4%	1.0%	43.8%	87.2%
112			15	143	4	1.09	0.00	0.09	0.00	0.57	0.79		100.0%	0.2%	8.3%	0.4%	52.4%	72.1%
113			16	144	4	1.03	0.00	0.04	0.01	0.54	0.91		100.0%	0.3%	3.7%	0.6%	52.7%	88.6%
114			17	145	4	0.64	0.00	0.13	0.02	0.36	0.70		91.4%	0.6%	19.3%	2.6%	51.7%	100.0%
115			21	149	4	0.94	0.00	0.16	0.01	0.52	0.77		100.0%	0.2%	16.5%	1.5%	55.3%	81.3%
116			22	150	4	0.98	0.00	0.06	0.01	0.52	0.80		100.0%	0.2%	5.6%	0.7%	52.7%	80.9%
117			23	151	4	0.88	0.00	0.09	0.02	0.38	0.70		100.0%	0.3%	10.5%	1.7%	43.7%	80.5%
118			29	157	10	2.03	0.01	0.66	0.02	1.21	1.87		100.0%	0.4%	32.3%	0.8%	59.8%	92.3%
119			30	158	10	2.39	0.01	0.35	0.01	1.60	2.15		100.0%	0.3%	14.8%	0.4%	66.7%	89.9%
120			31	159	10	2.25	0.01	0.09	0.01	1.19	2.06		100.0%	0.4%	3.9%	0.3%	53.0%	91.4%
121			32	160	10	2.60	0.01	0.15	0.01	1.75	2.64		98.6%	0.5%	5.7%	0.3%	66.5%	100.0%
122			33	161	10	2.49	0.01	0.19	0.07	1.33	2.52		98.7%	0.4%	7.7%	2.8%	52.8%	100.0%
123			38	166	10	2.34	0.01	0.46	0.02	1.51	2.12		100.0%	0.2%	19.7%	0.6%	64.3%	90.4%
124			39	167	10	2.31	0.01	0.18	0.01	1.46	2.13		100.0%	0.4%	8.0%	0.2%	63.2%	92.3%
125			40	168	10	2.34	0.01	0.15	0.02	1.48	2.25		100.0%	0.4%	6.2%	0.7%	63.3%	95.9%
126			41	169	10	3.03	0.01	0.09	0.03	1.74	2.88		100.0%	0.4%	3.1%	0.9%	57.4%	95.0%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
max ratio out of all beams							71.4%	59.2%	0.6%	20.9%	2.3%	37.1%	71.4%
64	0.13	0.00	0.01	0.00	0.04	0.05	49.4%	49.4%	0.0%	1.9%	0.0%	16.0%	18.3%
65	0.10	0.00	0.02	0.00	0.04	0.04	37.3%	37.3%	0.0%	6.1%	0.4%	15.6%	14.4%
66	0.08	0.00	0.01	0.00	0.05	0.04	37.3%	37.3%	0.5%	5.5%	0.5%	21.4%	18.6%
67	0.07	0.00	0.01	0.00	0.05	0.05	34.1%	34.1%	0.5%	5.5%	0.5%	23.0%	22.1%
68	0.11	0.00	0.01	0.00	0.05	0.02	43.7%	43.7%	0.4%	3.4%	0.8%	19.2%	7.7%
69	0.17	0.00	0.04	0.00	0.08	0.07	35.2%	35.2%	0.2%	7.6%	0.6%	16.2%	14.7%
70	0.30	0.00	0.03	0.00	0.13	0.08	48.3%	48.3%	0.0%	4.4%	0.2%	20.7%	13.4%
71	0.25	0.00	0.01	0.00	0.10	0.08	50.6%	50.6%	0.2%	2.5%	0.2%	20.9%	16.9%
72	0.18	0.00	0.03	0.01	0.08	0.07	40.7%	40.7%	0.2%	6.4%	1.1%	18.7%	14.9%
73	0.24	0.00	0.04	0.00	0.11	0.07	42.9%	42.9%	0.2%	6.3%	0.4%	19.1%	12.0%
74	0.30	0.00	0.01	0.00	0.13	0.08	53.2%	53.2%	0.2%	2.0%	0.2%	22.6%	14.9%
75	0.22	0.00	0.02	0.00	0.09	0.08	48.2%	48.2%	0.2%	3.3%	0.4%	19.8%	18.0%
76	0.50	0.00	0.17	0.00	0.33	0.24	50.0%	50.0%	0.2%	17.0%	0.3%	33.1%	24.3%
77	0.66	0.00	0.09	0.00	0.41	0.32	56.4%	56.4%	0.3%	8.0%	0.2%	34.8%	27.2%
78	0.68	0.00	0.02	0.00	0.42	0.22	59.2%	59.2%	0.3%	1.7%	0.2%	36.4%	19.0%
79	0.64	0.00	0.04	0.00	0.39	0.32	57.5%	57.5%	0.4%	3.4%	0.2%	35.1%	29.0%
80	0.56	0.00	0.04	0.02	0.26	0.13	47.0%	47.0%	0.3%	3.6%	1.4%	22.3%	11.0%
81	0.60	0.00	0.14	0.00	0.41	0.33	54.3%	54.3%	0.3%	12.5%	0.4%	37.1%	29.3%
82	0.67	0.00	0.04	0.00	0.39	0.29	58.7%	58.7%	0.3%	3.1%	0.2%	33.9%	25.1%
83	0.69	0.00	0.02	0.00	0.42	0.30	57.8%	57.8%	0.3%	1.9%	0.3%	35.0%	25.2%
84	0.64	0.00	0.02	0.01	0.36	0.24	49.2%	49.2%	0.2%	1.6%	0.6%	27.6%	18.8%
85	0.04	0.00	0.01	0.00	0.01	0.09	54.1%	25.2%	0.0%	3.8%	0.6%	6.9%	54.1%
86	0.05	0.00	0.01	0.00	0.02	0.10	44.7%	20.6%	0.0%	6.1%	1.3%	9.2%	44.7%
87	0.05	0.00	0.02	0.00	0.01	0.12	44.8%	19.9%	0.0%	6.1%	0.8%	4.2%	44.8%
88	0.06	0.00	0.02	0.00	0.02	0.11	52.3%	26.6%	0.0%	7.0%	0.5%	9.8%	52.3%
89	0.03	0.00	0.02	0.00	0.01	0.08	49.4%	20.4%	0.6%	13.6%	0.6%	8.6%	49.4%
90	0.14	0.00	0.06	0.00	0.03	0.25	60.8%	35.0%	0.2%	13.5%	0.2%	7.6%	60.8%
91	0.16	0.00	0.03	0.00	0.04	0.32	54.2%	27.0%	0.2%	4.2%	0.2%	5.9%	54.2%
92	0.17	0.00	0.01	0.00	0.05	0.36	55.0%	26.8%	0.2%	0.9%	0.2%	7.3%	55.0%
93	0.09	0.00	0.01	0.01	0.02	0.20	49.7%	22.4%	0.3%	3.6%	1.3%	5.9%	49.7%
94	0.15	0.00	0.05	0.00	0.03	0.29	56.7%	30.2%	0.2%	9.3%	0.8%	6.0%	56.7%
95	0.18	0.00	0.01	0.00	0.05	0.36	58.2%	30.0%	0.2%	2.1%	0.5%	7.5%	58.2%
96	0.11	0.00	0.04	0.01	0.03	0.23	47.0%	22.4%	0.2%	7.2%	1.0%	6.6%	47.0%
97	0.39	0.00	0.22	0.00	0.07	0.58	54.5%	36.2%	0.2%	20.9%	0.3%	6.1%	54.5%
98	0.57	0.00	0.08	0.00	0.14	0.89	71.1%	45.2%	0.1%	6.1%	0.2%	11.2%	71.1%
99	0.58	0.00	0.02	0.00	0.10	0.98	71.3%	42.4%	0.2%	1.6%	0.1%	7.4%	71.3%
100	0.49	0.00	0.03	0.00	0.15	0.91	64.7%	35.0%	0.3%	1.9%	0.2%	10.6%	64.7%
101	0.33	0.00	0.03	0.02	0.06	0.62	47.7%	25.9%	0.2%	2.1%	1.8%	4.6%	47.7%
102	0.51	0.00	0.15	0.00	0.10	0.81	65.9%	41.7%	0.1%	12.1%	0.2%	8.5%	65.9%
103	0.55	0.00	0.05	0.00	0.13	0.89	70.2%	43.4%	0.2%	4.1%	0.1%	10.4%	70.2%
104	0.53	0.00	0.04	0.01	0.11	0.90	71.4%	41.8%	0.2%	3.0%	0.4%	8.6%	71.4%
105	0.41	0.00	0.02	0.01	0.11	0.81	56.9%	29.1%	0.2%	1.2%	0.6%	7.9%	56.9%
106	0.21	0.00	0.02	0.00	0.08	0.16	50.1%	50.1%	0.2%	3.7%	0.5%	17.8%	37.2%
107	0.15	0.00	0.04	0.01	0.08	0.18	40.0%	31.9%	0.2%	8.1%	1.7%	16.8%	40.0%
108	0.13	0.00	0.03	0.00	0.07	0.18	43.1%	31.6%	0.2%	8.1%	0.7%	16.7%	43.1%
109	0.14	0.00	0.03	0.00	0.09	0.17	38.3%	32.3%	0.2%	7.8%	0.7%	20.9%	38.3%
110	0.15	0.00	0.04	0.00	0.09	0.13	40.7%	40.7%	0.5%	11.6%	0.8%	22.5%	34.1%
111	0.28	0.00	0.10	0.01	0.14	0.36	46.2%	36.3%	0.3%	12.7%	0.8%	18.0%	46.2%
112	0.48	0.00	0.06	0.00	0.22	0.39	43.6%	43.6%	0.2%	5.6%	0.3%	20.5%	36.1%
113	0.41	0.00	0.03	0.01	0.24	0.52	50.6%	40.1%	0.2%	2.4%	0.5%	23.1%	50.6%
114	0.26	0.00	0.07	0.02	0.14	0.33	47.6%	37.0%	0.4%	9.4%	2.2%	20.1%	47.6%
115	0.36	0.00	0.11	0.01	0.20	0.40	42.6%	38.2%	0.2%	11.3%	1.2%	21.3%	42.6%
116	0.44	0.00	0.03	0.01	0.23	0.44	44.4%	44.3%	0.2%	3.1%	0.5%	23.5%	44.4%
117	0.36	0.00	0.06	0.01	0.17	0.35	41.0%	41.0%	0.3%	6.6%	1.4%	19.4%	39.4%
118	0.84	0.01	0.38	0.01	0.61	1.06	52.5%	41.5%	0.3%	18.6%	0.6%	30.0%	52.5%
119	1.12	0.01	0.18	0.01	0.86	1.32	55.4%	46.7%	0.3%	7.4%	0.3%	36.0%	55.4%
120	1.10	0.01	0.05	0.01	0.63	1.35	59.9%	49.0%	0.3%	2.3%	0.3%	27.8%	59.9%
121	1.27	0.01	0.10	0.01	0.88	1.68	63.5%	48.3%	0.4%	3.9%	0.3%	33.5%	63.5%
122	0.97	0.01	0.09	0.06	0.51	1.07	42.4%	38.3%	0.3%	3.4%	2.3%	20.1%	42.4%
123	1.06	0.00	0.26	0.01	0.81	1.29	55.0%	45.1%	0.2%	10.9%	0.5%	34.4%	55.0%
124	1.13	0.01	0.10	0.00	0.79	1.27	55.2%	48.8%	0.3%	4.2%	0.1%	34.3%	55.2%
125	1.19	0.01	0.10	0.01	0.74	1.46	62.3%	50.8%	0.3%	4.1%	0.6%	31.4%	62.3%
126	1.27	0.01	0.05	0.02	0.78	1.59	52.5%	41.8%	0.3%	1.6%	0.8%	25.8%	52.5%

- K–patch Mid CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
max ratio out of all beams													100.0%	0.8%	35.4%	2.9%	79.1%	100.0%
64			1		1	0.28	0.00	0.01	0.00	0.14	0.10		100.0%	0.0%	2.9%	0.4%	50.7%	34.3%
65			3		1	0.30	0.00	0.02	0.00	0.17	0.11		100.0%	0.3%	7.4%	0.3%	56.8%	37.5%
66			5		1	0.24	0.00	0.04	0.00	0.14	0.09		100.0%	0.4%	14.4%	0.8%	58.4%	37.0%
67			7		1	0.23	0.00	0.03	0.00	0.15	0.10		100.0%	0.4%	11.7%	0.4%	67.0%	43.9%
68			9		1	0.26	0.00	0.02	0.00	0.16	0.07		100.0%	0.4%	6.2%	0.8%	60.4%	25.4%
69			14		2	0.53	0.00	0.05	0.00	0.25	0.19		100.0%	0.2%	9.6%	0.6%	47.3%	36.4%
70			15		2	0.66	0.00	0.04	0.00	0.39	0.18		100.0%	0.2%	5.8%	0.2%	59.5%	27.5%
71			16		2	0.53	0.00	0.02	0.00	0.31	0.16		100.0%	0.2%	3.4%	0.4%	59.6%	30.7%
72			17		2	0.44	0.00	0.06	0.01	0.25	0.22		100.0%	0.2%	13.9%	1.6%	56.0%	49.7%
73			21		2	0.62	0.00	0.05	0.00	0.34	0.19		100.0%	0.2%	8.1%	0.3%	55.4%	30.6%
74			22		2	0.60	0.00	0.01	0.00	0.38	0.17		100.0%	0.2%	2.3%	0.2%	63.4%	28.1%
75			23		2	0.50	0.00	0.02	0.00	0.28	0.16		100.0%	0.2%	4.6%	0.4%	56.6%	31.7%
76			29		5	1.02	0.00	0.30	0.00	0.70	0.50		100.0%	0.3%	29.4%	0.4%	68.4%	49.1%
77			30		5	1.16	0.00	0.18	0.00	0.82	0.57		100.0%	0.3%	15.7%	0.2%	70.3%	49.0%
78			31		5	1.19	0.00	0.04	0.00	0.92	0.32		100.0%	0.3%	3.0%	0.2%	77.2%	26.5%
79			32		5	1.14	0.01	0.06	0.00	0.85	0.60		100.0%	0.4%	5.2%	0.3%	74.8%	52.9%
80			33		5	1.31	0.00	0.09	0.02	0.70	0.53		100.0%	0.2%	6.5%	1.8%	53.2%	40.5%
81			38		5	1.11	0.00	0.25	0.00	0.77	0.60		100.0%	0.2%	22.8%	0.4%	69.6%	53.9%
82			39		5	1.24	0.00	0.07	0.00	0.89	0.47		100.0%	0.2%	5.4%	0.2%	72.0%	38.2%
83			40		5	1.22	0.00	0.05	0.01	0.91	0.48		100.0%	0.3%	3.7%	0.4%	74.7%	39.3%
84			41		5	1.26	0.00	0.04	0.01	0.78	0.62		100.0%	0.3%	3.3%	0.7%	61.5%	49.3%
85			129		1	0.11	0.00	0.02	0.00	0.04	0.16		65.6%	0.6%	12.3%	0.6%	22.7%	100.0%
86			131		1	0.16	0.00	0.02	0.00	0.05	0.21		77.5%	0.5%	9.6%	1.4%	25.8%	100.0%
87			133		1	0.18	0.00	0.03	0.00	0.05	0.24		75.4%	0.0%	11.7%	0.4%	19.6%	100.0%
88			135		1	0.18	0.00	0.03	0.00	0.06	0.20		90.5%	0.5%	14.5%	1.0%	31.0%	100.0%
89			137		1	0.11	0.00	0.04	0.00	0.04	0.15		75.5%	0.7%	25.8%	0.7%	26.5%	100.0%
90			142		2	0.34	0.00	0.10	0.00	0.09	0.40		84.5%	0.3%	24.8%	0.5%	21.6%	100.0%
91			143		2	0.44	0.00	0.05	0.00	0.13	0.53		84.1%	0.4%	9.5%	0.2%	25.4%	100.0%
92			144		2	0.46	0.00	0.01	0.00	0.13	0.58		79.3%	0.3%	2.2%	0.3%	22.4%	100.0%
93			145		2	0.24	0.00	0.04	0.01	0.06	0.40		60.5%	0.2%	10.2%	1.5%	14.4%	100.0%
94			149		2	0.41	0.00	0.08	0.01	0.11	0.48		86.1%	0.2%	16.8%	1.1%	23.1%	100.0%
95	M	Patch	150		2	0.47	0.00	0.03	0.00	0.12	0.57		82.2%	0.2%	4.6%	0.5%	21.9%	100.0%
96			151		2	0.39	0.00	0.06	0.01	0.11	0.46		85.4%	0.4%	12.6%	1.3%	24.2%	100.0%
97			157		5	0.97	0.00	0.39	0.01	0.16	1.11		87.2%	0.2%	35.4%	0.5%	14.2%	100.0%
98			158		5	0.97	0.00	0.18	0.00	0.34	1.12		87.4%	0.3%	16.5%	0.2%	30.6%	100.0%
99			159		5	1.02	0.01	0.04	0.00	0.28	1.21		84.3%	0.4%	3.2%	0.2%	23.4%	100.0%
100			160		5	1.01	0.00	0.04	0.00	0.32	1.36		73.8%	0.1%	2.7%	0.2%	23.1%	100.0%
101			161		5	0.89	0.01	0.06	0.03	0.21	1.25		70.6%	0.4%	4.6%	2.1%	16.5%	100.0%
102			166		5	1.00	0.00	0.32	0.01	0.24	1.15		86.7%	0.2%	27.5%	0.4%	20.4%	100.0%
103			167		5	1.01	0.01	0.09	0.00	0.36	1.15		87.8%	0.4%	7.9%	0.1%	31.4%	100.0%
104			168		5	0.93	0.00	0.08	0.01	0.28	1.11		83.8%	0.3%	7.0%	0.5%	25.3%	100.0%
105			169		5	0.95	0.00	0.03	0.01	0.27	1.41		67.0%	0.3%	2.1%	0.6%	18.8%	100.0%
106			1	129	2	0.42	0.00	0.04	0.00	0.26	0.30		100.0%	0.2%	9.4%	0.5%	61.8%	71.7%
107			3	131	2	0.47	0.00	0.06	0.01	0.28	0.33		100.0%	0.4%	12.6%	1.9%	59.5%	70.0%
108			5	133	2	0.47	0.00	0.07	0.00	0.21	0.36		100.0%	0.4%	14.4%	0.8%	45.1%	76.7%
109			7	135	2	0.47	0.00	0.09	0.00	0.24	0.37		100.0%	0.4%	18.6%	0.9%	51.7%	79.1%
110			9	137	2	0.40	0.00	0.08	0.01	0.23	0.31		100.0%	0.5%	20.4%	1.2%	58.1%	78.3%
111			14	142	4	0.83	0.00	0.18	0.01	0.37	0.59		100.0%	0.2%	21.9%	0.8%	44.1%	71.2%
112			15	143	4	1.14	0.00	0.10	0.01	0.69	0.75		100.0%	0.4%	8.5%	0.4%	61.1%	66.1%
113			16	144	4	1.04	0.00	0.04	0.01	0.61	0.82		100.0%	0.3%	4.1%	0.6%	59.0%	79.2%
114			17	145	4	0.59	0.00	0.17	0.02	0.33	0.68		87.1%	0.4%	24.6%	2.9%	48.4%	100.0%
115			21	149	4	1.03	0.00	0.17	0.01	0.61	0.73		100.0%	0.4%	16.3%	1.3%	59.2%	70.3%
116			22	150	4	1.00	0.00	0.05	0.01	0.59	0.77		100.0%	0.2%	4.5%	0.5%	59.0%	77.1%
117			23	151	4	0.92	0.01	0.10	0.01	0.47	0.67		100.0%	0.5%	10.9%	1.4%	50.5%	72.8%
118			29	157	10	1.92	0.01	0.67	0.01	1.15	1.87		100.0%	0.4%	35.1%	0.7%	59.8%	97.3%
119			30	158	10	2.26	0.01	0.38	0.01	1.76	2.02		100.0%	0.4%	16.6%	0.4%	77.8%	89.1%
120			31	159	10	2.25	0.02	0.11	0.01	1.43	1.77		100.0%	0.8%	5.0%	0.3%	63.4%	78.5%
121			32	160	10	2.58	0.01	0.16	0.01	1.74	2.61		99.1%	0.4%	5.9%	0.3%	66.6%	100.0%
122			33	161	10	2.82	0.01	0.17	0.08	1.43	2.51		100.0%	0.4%	6.0%	2.7%	50.9%	89.2%
123			38	166	10	2.18	0.01	0.47	0.02	1.46	1.97		100.0%	0.2%	21.5%	0.7%	67.2%	90.5%
124			39	167	10	2.36	0.02	0.21	0.00	1.87	2.01		100.0%	0.6%	8.8%	0.2%	79.1%	85.0%
125			40	168	10	2.38	0.01	0.21	0.02	1.62	1.94		100.0%	0.5%	8.6%	0.6%	67.9%	81.6%
126			41	169	10	3.02	0.01	0.08	0.03	1.66	2.87		100.0%	0.4%	2.5%	1.0%	55.1%	94.9%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
max ratio out of all beams							72.2%	58.9%	0.8%	22.2%	2.6%	42.8%	72.2%
64	0.13	0.00	0.01	0.00	0.05	0.04	47.5%	47.5%	0.0%	1.8%	0.4%	17.9%	15.7%
65	0.11	0.00	0.02	0.00	0.05	0.04	37.5%	37.5%	0.0%	5.1%	0.3%	17.2%	14.2%
66	0.09	0.00	0.02	0.00	0.05	0.05	36.2%	36.2%	0.4%	9.5%	0.8%	18.5%	18.9%
67	0.08	0.00	0.01	0.00	0.06	0.04	36.1%	36.1%	0.4%	6.1%	0.4%	23.9%	18.7%
68	0.12	0.00	0.01	0.00	0.05	0.02	45.0%	45.0%	0.0%	3.1%	0.8%	19.6%	9.2%
69	0.20	0.00	0.04	0.00	0.10	0.07	36.6%	36.6%	0.2%	6.6%	0.6%	18.0%	13.7%
70	0.33	0.00	0.03	0.00	0.15	0.08	49.8%	49.8%	0.2%	4.0%	0.2%	23.3%	11.6%
71	0.27	0.00	0.01	0.00	0.12	0.07	51.0%	51.0%	0.2%	2.1%	0.2%	23.4%	13.5%
72	0.18	0.00	0.03	0.01	0.08	0.09	40.5%	40.5%	0.2%	6.6%	1.4%	19.1%	19.8%
73	0.28	0.00	0.03	0.00	0.13	0.06	44.9%	44.9%	0.2%	5.5%	0.3%	21.1%	10.2%
74	0.32	0.00	0.01	0.00	0.16	0.08	53.7%	53.7%	0.0%	1.7%	0.2%	26.3%	13.0%
75	0.24	0.00	0.01	0.00	0.11	0.07	48.7%	48.7%	0.2%	2.6%	0.4%	21.2%	13.5%
76	0.51	0.00	0.18	0.00	0.31	0.27	49.7%	49.7%	0.2%	17.3%	0.3%	30.6%	26.8%
77	0.68	0.00	0.09	0.00	0.41	0.33	58.9%	58.9%	0.3%	8.0%	0.2%	35.6%	28.7%
78	0.70	0.00	0.02	0.00	0.47	0.16	58.8%	58.8%	0.3%	1.7%	0.2%	39.7%	13.1%
79	0.66	0.00	0.04	0.00	0.40	0.33	58.0%	58.0%	0.4%	3.5%	0.3%	35.4%	28.9%
80	0.61	0.00	0.04	0.02	0.27	0.17	46.5%	46.5%	0.2%	3.2%	1.6%	20.7%	13.0%
81	0.62	0.00	0.14	0.00	0.39	0.33	55.6%	55.6%	0.2%	12.5%	0.3%	34.6%	30.0%
82	0.71	0.00	0.04	0.00	0.45	0.24	57.4%	57.4%	0.2%	3.2%	0.2%	36.3%	19.4%
83	0.71	0.00	0.03	0.00	0.45	0.26	57.8%	57.8%	0.3%	2.5%	0.3%	36.5%	21.5%
84	0.63	0.00	0.02	0.01	0.33	0.30	50.0%	50.0%	0.2%	1.3%	0.6%	25.9%	23.9%
85	0.04	0.00	0.01	0.00	0.01	0.09	52.8%	22.1%	0.6%	7.4%	0.6%	7.4%	52.8%
86	0.05	0.00	0.01	0.00	0.02	0.09	43.1%	22.5%	0.5%	6.2%	1.4%	10.0%	43.1%
87	0.05	0.00	0.02	0.00	0.01	0.11	45.8%	20.8%	0.0%	7.5%	0.4%	5.8%	45.8%
88	0.05	0.00	0.02	0.00	0.02	0.10	50.5%	26.0%	0.5%	8.0%	1.0%	12.0%	50.5%
89	0.03	0.00	0.02	0.00	0.02	0.07	45.7%	18.5%	0.0%	13.9%	0.7%	11.9%	45.7%
90	0.14	0.00	0.06	0.00	0.03	0.24	60.4%	35.3%	0.3%	15.3%	0.5%	8.3%	60.4%
91	0.16	0.00	0.03	0.00	0.05	0.30	57.2%	29.9%	0.4%	5.9%	0.2%	10.0%	57.2%
92	0.16	0.00	0.01	0.00	0.05	0.31	54.1%	28.1%	0.2%	1.2%	0.2%	9.1%	54.1%
93	0.09	0.00	0.03	0.01	0.02	0.19	48.1%	23.1%	0.2%	6.5%	1.2%	5.2%	48.1%
94	0.15	0.00	0.05	0.00	0.04	0.28	57.8%	31.5%	0.2%	10.9%	0.8%	9.0%	57.8%
95	0.17	0.00	0.02	0.00	0.06	0.33	58.0%	30.5%	0.2%	2.8%	0.4%	9.9%	58.0%
96	0.12	0.00	0.03	0.01	0.04	0.21	45.5%	25.1%	0.4%	7.2%	1.1%	9.4%	45.5%
97	0.43	0.00	0.25	0.00	0.07	0.63	56.5%	38.7%	0.2%	22.2%	0.4%	6.1%	56.5%
98	0.50	0.00	0.09	0.00	0.19	0.79	70.5%	45.0%	0.3%	7.9%	0.2%	16.7%	70.5%
99	0.52	0.01	0.02	0.00	0.14	0.87	72.2%	43.4%	0.4%	1.8%	0.1%	11.7%	72.2%
100	0.50	0.00	0.02	0.00	0.16	0.89	65.5%	36.8%	0.1%	1.8%	0.1%	11.6%	65.5%
101	0.34	0.00	0.03	0.02	0.08	0.60	47.6%	27.3%	0.3%	2.5%	1.8%	6.5%	47.6%
102	0.50	0.00	0.18	0.00	0.13	0.77	67.2%	43.4%	0.2%	15.6%	0.3%	10.9%	67.2%
103	0.52	0.01	0.05	0.00	0.19	0.81	70.4%	45.3%	0.4%	4.7%	0.1%	16.3%	70.4%
104	0.46	0.00	0.04	0.01	0.14	0.78	70.4%	41.4%	0.3%	3.7%	0.5%	12.3%	70.4%
105	0.43	0.00	0.02	0.01	0.13	0.81	57.4%	30.3%	0.3%	1.5%	0.4%	8.9%	57.4%
106	0.20	0.00	0.03	0.00	0.10	0.15	46.7%	46.7%	0.2%	6.1%	0.5%	23.6%	34.7%
107	0.16	0.00	0.04	0.01	0.10	0.15	33.4%	33.4%	0.4%	8.8%	1.5%	20.3%	31.3%
108	0.15	0.00	0.05	0.00	0.07	0.17	35.4%	31.8%	0.4%	10.2%	0.6%	15.3%	35.4%
109	0.15	0.00	0.04	0.00	0.10	0.15	32.1%	32.1%	0.4%	8.8%	0.6%	20.7%	31.2%
110	0.16	0.00	0.05	0.00	0.09	0.13	40.1%	40.1%	0.2%	11.5%	1.0%	23.2%	31.2%
111	0.30	0.00	0.12	0.01	0.15	0.32	38.8%	36.1%	0.2%	14.6%	0.7%	17.9%	38.8%
112	0.51	0.00	0.07	0.00	0.29	0.39	44.6%	44.6%	0.4%	5.9%	0.3%	25.8%	34.0%
113	0.42	0.00	0.03	0.01	0.27	0.45	43.8%	40.9%	0.2%	2.6%	0.5%	26.2%	43.8%
114	0.25	0.00	0.10	0.02	0.13	0.32	47.4%	36.0%	0.3%	14.3%	2.6%	19.4%	47.4%
115	0.40	0.00	0.12	0.01	0.25	0.37	38.5%	38.5%	0.4%	11.3%	1.0%	23.9%	35.6%
116	0.45	0.00	0.03	0.00	0.27	0.42	44.5%	44.5%	0.2%	3.0%	0.4%	26.7%	42.0%
117	0.38	0.00	0.06	0.01	0.21	0.32	41.1%	41.1%	0.4%	6.3%	1.2%	22.3%	34.2%
118	0.87	0.01	0.41	0.01	0.59	1.03	53.5%	45.1%	0.4%	21.4%	0.6%	30.5%	53.5%
119	1.20	0.01	0.18	0.01	0.96	1.24	54.8%	52.9%	0.4%	7.9%	0.3%	42.5%	54.8%
120	1.10	0.02	0.07	0.01	0.76	1.16	51.5%	48.7%	0.8%	2.9%	0.2%	34.0%	51.5%
121	1.32	0.01	0.10	0.01	0.87	1.67	64.0%	50.5%	0.3%	4.0%	0.3%	33.3%	64.0%
122	1.06	0.01	0.09	0.07	0.58	1.06	37.7%	37.7%	0.3%	3.3%	2.3%	20.4%	37.6%
123	1.00	0.00	0.27	0.01	0.79	1.20	55.1%	45.9%	0.2%	12.4%	0.6%	36.4%	55.1%
124	1.21	0.01	0.12	0.00	1.01	1.22	51.5%	51.2%	0.6%	5.1%	0.1%	42.8%	51.5%
125	1.27	0.01	0.12	0.01	0.82	1.22	53.2%	53.2%	0.5%	4.9%	0.5%	34.3%	51.4%
126	1.29	0.01	0.05	0.03	0.73	1.65	54.5%	42.6%	0.3%	1.6%	0.8%	24.2%	54.5%

- M–patch High CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	max ratio out of all beams: ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
													100.0%	0.9%	34.6%	3.1%	77.6%	100.0%
64			1		1	0.28	0.00	0.01	0.00	0.15	0.09		100.0%	0.0%	3.2%	0.4%	52.3%	32.6%
65			3		1	0.28	0.00	0.02	0.00	0.16	0.10		100.0%	0.0%	7.5%	0.4%	58.4%	35.8%
66			5		1	0.22	0.00	0.04	0.00	0.12	0.10		100.0%	0.5%	19.5%	0.9%	54.9%	47.4%
67			7		1	0.23	0.00	0.03	0.00	0.15	0.09		100.0%	0.4%	12.9%	0.4%	65.8%	40.0%
68			9		1	0.25	0.00	0.02	0.00	0.14	0.08		100.0%	0.0%	8.0%	0.8%	57.8%	30.5%
69			14		2	0.52	0.00	0.05	0.00	0.25	0.17		100.0%	0.2%	8.6%	0.6%	48.6%	31.9%
70			15		2	0.63	0.00	0.04	0.00	0.38	0.17		100.0%	0.2%	5.9%	0.2%	60.3%	26.7%
71			16		2	0.51	0.00	0.02	0.00	0.31	0.16		100.0%	0.2%	3.9%	0.4%	60.9%	31.5%
72			17		2	0.41	0.00	0.06	0.01	0.22	0.20		100.0%	0.2%	13.8%	1.5%	54.2%	48.7%
73			21		2	0.60	0.00	0.05	0.00	0.34	0.17		100.0%	0.2%	7.9%	0.3%	56.6%	27.7%
74			22		2	0.57	0.00	0.01	0.00	0.36	0.17		100.0%	0.2%	2.3%	0.2%	63.2%	29.2%
75			23		2	0.49	0.00	0.03	0.00	0.29	0.15		100.0%	0.2%	5.3%	0.6%	58.7%	31.6%
76			29		5	0.99	0.00	0.29	0.00	0.68	0.51		100.0%	0.3%	29.5%	0.4%	68.8%	51.6%
77			30		5	1.11	0.00	0.17	0.00	0.75	0.53		100.0%	0.4%	15.7%	0.2%	68.0%	47.5%
78			31		5	1.06	0.01	0.05	0.00	0.76	0.30		100.0%	0.6%	4.6%	0.2%	72.2%	28.6%
79			32		5	0.99	0.00	0.05	0.01	0.75	0.50		100.0%	0.4%	4.7%	0.5%	75.7%	50.5%
80			33		5	1.28	0.00	0.10	0.02	0.64	0.54		100.0%	0.2%	8.0%	1.8%	49.8%	42.6%
81			38		5	1.06	0.00	0.25	0.00	0.70	0.57		100.0%	0.3%	23.1%	0.2%	65.9%	53.2%
82			39		5	1.16	0.00	0.06	0.00	0.81	0.46		100.0%	0.3%	5.4%	0.3%	69.4%	39.4%
83			40		5	1.08	0.01	0.05	0.01	0.78	0.41		100.0%	0.5%	4.2%	0.5%	72.9%	38.5%
84			41		5	1.12	0.00	0.05	0.01	0.71	0.52		100.0%	0.4%	4.1%	0.6%	63.6%	46.3%
85			129		1	0.11	0.00	0.02	0.00	0.04	0.16		69.9%	0.6%	11.7%	1.2%	23.3%	100.0%
86			131		1	0.16	0.00	0.02	0.00	0.05	0.20		81.4%	0.5%	9.0%	1.5%	25.6%	100.0%
87			133		1	0.18	0.00	0.03	0.00	0.05	0.22		82.1%	0.5%	13.3%	0.9%	24.8%	100.0%
88			135		1	0.18	0.00	0.04	0.00	0.06	0.19		95.7%	0.0%	18.8%	1.1%	34.4%	100.0%
89			137		1	0.13	0.00	0.04	0.00	0.04	0.15		85.8%	0.7%	25.7%	0.7%	29.7%	100.0%
90			142		2	0.34	0.00	0.10	0.00	0.09	0.39		86.8%	0.3%	24.9%	0.5%	22.5%	100.0%
91			143		2	0.44	0.00	0.05	0.00	0.14	0.48		91.3%	0.2%	10.6%	0.2%	28.3%	100.0%
92			144		2	0.44	0.00	0.01	0.00	0.14	0.52		84.0%	0.2%	2.7%	0.4%	27.1%	100.0%
93			145		2	0.26	0.00	0.05	0.01	0.06	0.39		67.4%	0.3%	11.8%	2.1%	14.9%	100.0%
94			149		2	0.41	0.00	0.08	0.00	0.10	0.45		90.6%	0.2%	17.2%	0.9%	22.8%	100.0%
95	M	Patch	150		2	0.46	0.00	0.03	0.00	0.14	0.51		89.4%	0.2%	5.7%	0.4%	27.5%	100.0%
96			151		2	0.39	0.00	0.07	0.01	0.13	0.43		90.7%	0.2%	15.6%	1.6%	30.5%	100.0%
97			157		5	0.95	0.00	0.37	0.00	0.17	1.08		88.2%	0.3%	34.6%	0.4%	15.3%	100.0%
98			158		5	0.94	0.00	0.18	0.00	0.33	1.02		92.3%	0.3%	17.5%	0.2%	32.5%	100.0%
99			159		5	1.00	0.01	0.05	0.00	0.31	1.09		91.5%	0.5%	4.1%	0.2%	28.0%	100.0%
100			160		5	0.97	0.00	0.03	0.00	0.35	1.26		77.1%	0.2%	2.5%	0.3%	27.5%	100.0%
101			161		5	0.88	0.00	0.06	0.03	0.22	1.20		73.0%	0.2%	4.9%	2.2%	18.1%	100.0%
102			166		5	0.96	0.00	0.32	0.00	0.23	1.10		87.2%	0.2%	29.0%	0.4%	20.9%	100.0%
103			167		5	0.96	0.01	0.09	0.00	0.36	1.01		95.9%	0.5%	8.5%	0.1%	35.7%	100.0%
104			168		5	0.93	0.00	0.07	0.01	0.31	1.01		92.1%	0.3%	7.2%	0.7%	31.1%	100.0%
105			169		5	0.90	0.01	0.04	0.01	0.28	1.35		67.1%	0.4%	2.9%	0.6%	21.1%	100.0%
106			1	129	2	0.41	0.00	0.04	0.00	0.25	0.30		100.0%	0.2%	9.2%	1.0%	61.2%	72.1%
107			3	131	2	0.47	0.00	0.05	0.01	0.25	0.31		100.0%	0.2%	10.7%	1.7%	54.3%	65.9%
108			5	133	2	0.48	0.00	0.08	0.00	0.20	0.33		100.0%	0.4%	16.4%	0.8%	41.5%	68.8%
109			7	135	2	0.47	0.00	0.09	0.00	0.24	0.33		100.0%	0.4%	18.6%	0.8%	49.8%	70.3%
110			9	137	2	0.44	0.00	0.08	0.00	0.21	0.30		100.0%	0.5%	18.3%	0.9%	48.4%	67.6%
111			14	142	4	0.77	0.00	0.16	0.01	0.38	0.58		100.0%	0.4%	21.4%	1.3%	49.4%	76.1%
112			15	143	4	1.06	0.00	0.09	0.00	0.64	0.71		100.0%	0.3%	8.3%	0.3%	60.5%	67.5%
113			16	144	4	1.03	0.00	0.05	0.01	0.61	0.75		100.0%	0.2%	4.9%	0.6%	59.5%	72.6%
114			17	145	4	0.59	0.00	0.16	0.02	0.29	0.64		92.5%	0.5%	25.0%	3.1%	45.9%	100.0%
115			21	149	4	0.94	0.00	0.15	0.01	0.57	0.66		100.0%	0.3%	15.6%	1.2%	59.9%	69.7%
116			22	150	4	0.97	0.00	0.05	0.01	0.59	0.75		100.0%	0.2%	5.2%	0.5%	61.0%	76.9%
117			23	151	4	0.93	0.00	0.11	0.02	0.49	0.62		100.0%	0.3%	12.0%	1.7%	52.6%	66.7%
118			29	157	10	2.01	0.01	0.62	0.01	1.12	1.87		100.0%	0.3%	30.6%	0.4%	55.8%	92.7%
119			30	158	10	2.07	0.01	0.35	0.01	1.60	1.96		100.0%	0.4%	17.0%	0.2%	77.6%	94.8%
120			31	159	10	2.24	0.02	0.14	0.01	1.16	1.65		100.0%	0.9%	6.4%	0.2%	51.8%	73.5%
121			32	160	10	2.39	0.01	0.13	0.01	1.66	2.32		100.0%	0.4%	5.6%	0.5%	69.5%	97.3%
122			33	161	10	2.86	0.01	0.21	0.07	1.41	2.30		100.0%	0.3%	7.2%	2.6%	49.3%	80.6%
123			38	166	10	1.95	0.01	0.42	0.01	1.29	1.95		100.0%	0.3%	21.3%	0.5%	65.9%	99.8%
124			39	167	10	2.36	0.02	0.19	0.00	1.67	1.89		100.0%	0.6%	7.9%	0.2%	70.6%	80.1%
125			40	168	10	2.28	0.01	0.20	0.02	1.54	1.70		100.0%	0.5%	8.8%	0.8%	67.7%	74.5%
126			41	169	10	2.78	0.01	0.12	0.03	1.61	2.53		100.0%	0.5%	4.3%	0.9%	57.8%	90.8%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	max ratio out of all beams: ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
							72.1%	59.8%	0.8%	22.0%	3.0%	42.4%	72.1%
64	0.13	0.00	0.01	0.00	0.05	0.04	46.2%	46.2%	0.0%	1.8%	0.4%	19.0%	12.5%
65	0.10	0.00	0.01	0.00	0.05	0.04	36.9%	36.9%	0.0%	5.0%	0.4%	17.9%	13.6%
66	0.07	0.00	0.03	0.00	0.04	0.06	33.5%	33.5%	0.5%	12.6%	0.9%	17.2%	25.6%
67	0.08	0.00	0.02	0.00	0.05	0.04	37.3%	37.3%	0.4%	7.6%	0.4%	22.2%	17.8%
68	0.11	0.00	0.01	0.00	0.05	0.02	43.8%	43.8%	0.0%	4.0%	0.8%	19.3%	9.6%
69	0.20	0.00	0.03	0.00	0.10	0.07	37.6%	37.6%	0.2%	6.1%	0.6%	18.6%	12.5%
70	0.32	0.00	0.03	0.00	0.16	0.07	50.6%	50.6%	0.0%	4.0%	0.2%	24.8%	11.0%
71	0.26	0.00	0.01	0.00	0.13	0.06	50.3%	50.3%	0.2%	2.3%	0.4%	25.4%	12.5%
72	0.16	0.00	0.04	0.01	0.07	0.08	39.0%	39.0%	0.2%	9.2%	1.2%	17.7%	20.3%
73	0.28	0.00	0.03	0.00	0.13	0.06	46.4%	46.4%	0.2%	5.4%	0.3%	22.4%	9.4%
74	0.30	0.00	0.01	0.00	0.16	0.07	52.5%	52.5%	0.2%	1.6%	0.2%	27.5%	12.3%
75	0.24	0.00	0.02	0.00	0.12	0.06	48.3%	48.3%	0.2%	3.1%	0.4%	23.6%	12.7%
76	0.51	0.00	0.17	0.00	0.30	0.29	51.2%	51.2%	0.3%	17.5%	0.3%	30.2%	29.3%
77	0.66	0.00	0.08	0.00	0.38	0.29	59.8%	59.8%	0.3%	7.4%	0.2%	34.3%	26.2%
78	0.58	0.01	0.03	0.00	0.41	0.15	54.5%	54.5%	0.5%	2.6%	0.2%	38.5%	14.2%
79	0.57	0.00	0.04	0.00	0.37	0.27	56.9%	56.9%	0.4%	3.6%	0.4%	36.8%	27.5%
80	0.58	0.00	0.06	0.02	0.25	0.18	45.4%	45.4%	0.2%	4.5%	1.6%	19.7%	14.4%
81	0.61	0.00	0.12	0.00	0.35	0.32	57.7%	57.7%	0.2%	11.7%	0.2%	32.6%	30.1%
82	0.64	0.00	0.04	0.00	0.41	0.20	55.1%	55.1%	0.3%	3.0%	0.2%	35.4%	17.3%
83	0.60	0.01	0.03	0.00	0.39	0.21	55.5%	55.5%	0.5%	2.9%	0.4%	36.4%	19.8%
84	0.55	0.00	0.02	0.01	0.31	0.27	48.6%	48.6%	0.3%	2.1%	0.5%	28.0%	23.9%
85	0.04	0.00	0.01	0.00	0.01	0.09	52.8%	22.7%	0.0%	7.4%	1.2%	6.7%	52.8%
86	0.05	0.00	0.01	0.00	0.02	0.09	44.2%	23.1%	0.0%	6.5%	1.0%	9.0%	44.2%
87	0.05	0.00	0.02	0.00	0.02	0.10	45.9%	21.1%	0.0%	9.2%	0.5%	7.3%	45.9%
88	0.05	0.00	0.02	0.00	0.03	0.09	49.5%	25.3%	0.0%	10.2%	1.1%	13.4%	49.5%
89	0.03	0.00	0.02	0.00	0.02	0.07	43.9%	20.3%	0.0%	15.5%	0.7%	12.8%	43.9%
90	0.14	0.00	0.06	0.00	0.03	0.24	61.7%	35.2%	0.3%	15.5%	0.5%	8.3%	61.7%
91	0.15	0.00	0.03	0.00	0.05	0.29	60.0%	31.9%	0.2%	6.5%	0.2%	11.0%	60.0%
92	0.15	0.00	0.01	0.00	0.06	0.28	52.9%	28.1%	0.2%	1.3%	0.4%	10.9%	52.9%
93	0.10	0.00	0.03	0.01	0.02	0.20	50.6%	24.9%	0.3%	7.7%	1.8%	4.9%	50.6%
94	0.15	0.00	0.05	0.00	0.04	0.28	61.7%	33.1%	0.2%	11.4%	0.7%	9.8%	61.7%
95	0.16	0.00	0.02	0.00	0.06	0.30	58.5%	30.6%	0.2%	3.3%	0.4%	12.0%	58.5%
96	0.11	0.00	0.04	0.01	0.05	0.20	45.8%	25.6%	0.2%	8.6%	1.4%	11.6%	45.8%
97	0.42	0.00	0.24	0.00	0.07	0.62	57.8%	39.1%	0.2%	22.0%	0.3%	6.6%	57.8%
98	0.48	0.00	0.08	0.00	0.18	0.73	71.8%	47.1%	0.3%	7.9%	0.2%	17.7%	71.8%
99	0.49	0.00	0.02	0.00	0.15	0.79	72.1%	45.2%	0.4%	2.1%	0.1%	13.7%	72.1%
100	0.48	0.00	0.02	0.00	0.17	0.84	66.6%	37.8%	0.2%	1.5%	0.2%	13.7%	66.6%
101	0.34	0.00	0.03	0.02	0.09	0.60	49.5%	28.2%	0.2%	2.7%	1.9%	7.1%	49.5%
102	0.49	0.00	0.19	0.00	0.12	0.75	68.3%	44.0%	0.2%	17.1%	0.3%	11.1%	68.3%
103	0.48	0.00	0.05	0.00	0.18	0.72	71.3%	48.0%	0.4%	5.1%	0.1%	18.2%	71.3%
104	0.44	0.00	0.04	0.01	0.15	0.72	71.7%	43.2%	0.2%	4.3%	0.6%	15.0%	71.7%
105	0.42	0.00	0.02	0.01	0.13	0.80	59.6%	31.2%	0.3%	1.7%	0.4%	9.9%	59.6%
106	0.19	0.00	0.03	0.00	0.10	0.14	45.6%	45.6%	0.2%	6.3%	0.7%	23.5%	34.2%
107	0.16	0.00	0.04	0.01	0.09	0.15	33.5%	33.5%	0.2%	7.7%	1.3%	19.1%	31.5%
108	0.15	0.00	0.05	0.00	0.07	0.14	31.4%	31.4%	0.2%	10.7%	0.8%	14.1%	29.7%
109	0.15	0.00	0.05	0.00	0.09	0.14	31.0%	31.0%	0.4%	9.5%	0.6%	18.8%	30.0%
110	0.18	0.00	0.05	0.00	0.08	0.12	40.6%	40.6%	0.2%	10.7%	0.9%	18.9%	27.4%
111	0.30	0.00	0.11	0.01	0.14	0.32	41.4%	38.8%	0.4%	14.2%	1.0%	18.4%	41.4%
112	0.51	0.00	0.06	0.00	0.28	0.38	47.9%	47.9%	0.3%	5.6%	0.3%	26.6%	36.2%
113	0.43	0.00	0.03	0.01	0.29	0.41	42.1%	42.1%	0.2%	3.0%	0.5%	27.9%	39.5%
114	0.23	0.00	0.10	0.02	0.11	0.31	47.7%	35.5%	0.3%	14.9%	3.0%	17.8%	47.7%
115	0.40	0.00	0.10	0.01	0.23	0.37	42.1%	42.1%	0.3%	11.0%	1.0%	24.6%	39.4%
116	0.44	0.00	0.03	0.00	0.28	0.41	45.7%	45.7%	0.2%	2.9%	0.4%	28.4%	42.6%
117	0.38	0.00	0.06	0.01	0.23	0.29	41.3%	41.3%	0.3%	6.8%	1.4%	24.8%	31.2%
118	0.93	0.01	0.39	0.01	0.57	1.02	50.8%	46.0%	0.3%	19.2%	0.4%	28.1%	50.8%
119	1.04	0.01	0.17	0.00	0.88	1.19	57.8%	50.4%	0.3%	8.2%	0.2%	42.4%	57.8%
120	1.08	0.02	0.09	0.00	0.64	1.10	49.0%	48.1%	0.8%	3.8%	0.2%	28.4%	49.0%
121	1.22	0.01	0.09	0.01	0.84	1.46	61.1%	51.3%	0.4%	3.9%	0.5%	35.3%	61.1%
122	1.11	0.01	0.12	0.06	0.56	1.03	38.8%	38.8%	0.3%	4.1%	2.2%	19.5%	36.1%
123	0.90	0.00	0.25	0.01	0.70	1.17	59.8%	46.2%	0.2%	12.9%	0.4%	36.0%	59.8%
124	1.15	0.01	0.11	0.00	0.91	1.15	48.9%	48.5%	0.6%	4.5%	0.1%	38.6%	48.9%
125	1.20	0.01	0.12	0.02	0.78	1.07	52.9%	52.9%	0.4%	5.3%	0.7%	34.2%	47.0%
126	1.20	0.01	0.07	0.02	0.72	1.48	53.3%	43.2%	0.4%	2.4%	0.8%	25.9%	53.3%

[Folder Closed Status]

- M–patch Low CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	max ratio out of all beams: ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
													100.0%	3.0%	54.7%	3.4%	36.0%	83.0%
64			1		1	0.23	0.00	0.01	0.00	0.05	0.09		100.0%	1.3%	4.3%	0.4%	20.8%	39.4%
65			3		1	0.24	0.00	0.02	0.00	0.04	0.11		100.0%	1.2%	7.8%	0.8%	14.3%	45.5%
66			5		1	0.13	0.00	0.05	0.00	0.03	0.10		100.0%	3.0%	37.1%	1.5%	24.2%	78.8%
67			7		1	0.16	0.00	0.03	0.00	0.03	0.11		100.0%	2.6%	16.7%	1.3%	21.2%	69.9%
68			9		1	0.16	0.00	0.06	0.00	0.03	0.06		100.0%	1.8%	38.4%	1.8%	20.7%	39.0%
69			14		2	0.41	0.01	0.04	0.00	0.06	0.18		100.0%	2.5%	9.6%	1.0%	15.0%	43.6%
70			15		2	0.44	0.01	0.03	0.00	0.11	0.22		100.0%	2.0%	6.6%	0.5%	25.4%	50.8%
71			16		2	0.53	0.01	0.03	0.00	0.12	0.23		100.0%	1.1%	6.0%	0.6%	23.3%	43.1%
72			17		2	0.26	0.01	0.14	0.01	0.04	0.16		100.0%	2.3%	54.7%	2.3%	15.2%	61.7%
73			21		2	0.41	0.01	0.04	0.00	0.08	0.20		100.0%	2.4%	9.0%	0.7%	19.5%	49.8%
74			22		2	0.52	0.01	0.02	0.00	0.12	0.22		100.0%	1.0%	4.6%	0.4%	23.2%	42.0%
75			23		2	0.52	0.01	0.04	0.00	0.12	0.23		100.0%	1.2%	6.9%	0.6%	23.3%	43.5%
76			29		5	0.55	0.01	0.21	0.02	0.12	0.46		100.0%	2.0%	37.4%	3.4%	21.0%	83.0%
77			30		5	0.97	0.02	0.17	0.01	0.32	0.65		100.0%	2.2%	17.5%	0.9%	33.2%	66.6%
78			31		5	1.00	0.03	0.05	0.01	0.30	0.62		100.0%	2.8%	4.6%	0.6%	29.6%	62.5%
79			32		5	1.10	0.02	0.07	0.00	0.31	0.56		100.0%	1.8%	6.3%	0.4%	28.5%	51.2%
80			33		5	0.85	0.02	0.34	0.02	0.10	0.52		100.0%	2.2%	39.5%	2.4%	12.1%	61.3%
81			38		5	0.81	0.02	0.22	0.01	0.18	0.64		100.0%	2.5%	26.7%	1.5%	22.6%	79.8%
82			39		5	0.98	0.03	0.09	0.01	0.35	0.57		100.0%	3.0%	9.3%	0.6%	36.0%	58.5%
83			40		5	1.04	0.02	0.07	0.01	0.35	0.54		100.0%	1.7%	6.5%	0.5%	33.3%	51.5%
84			41		5	1.05	0.02	0.24	0.02	0.19	0.76		100.0%	1.5%	22.5%	1.4%	18.4%	71.8%
85			129		1	0.27	0.00	0.02	0.00	0.01	0.18		100.0%	0.4%	7.5%	0.8%	4.9%	67.2%
86			131		1	0.39	0.00	0.03	0.00	0.02	0.20		100.0%	0.3%	7.5%	0.5%	5.2%	52.2%
87			133		1	0.37	0.00	0.03	0.00	0.02	0.21		100.0%	0.0%	7.3%	0.5%	5.2%	56.0%
88			135		1	0.36	0.00	0.04	0.00	0.02	0.20		100.0%	0.3%	11.2%	0.3%	5.6%	54.5%
89			137		1	0.30	0.00	0.05	0.00	0.02	0.17		100.0%	0.3%	16.6%	0.3%	6.1%	57.8%
90			142		2	0.70	0.00	0.12	0.00	0.05	0.44		100.0%	0.1%	17.4%	0.3%	7.3%	63.9%
91			143		2	0.85	0.00	0.06	0.00	0.07	0.55		100.0%	0.1%	6.8%	0.1%	7.7%	64.7%
92			144		2	0.85	0.00	0.01	0.00	0.07	0.57		100.0%	0.1%	1.6%	0.2%	7.8%	67.0%
93			145		2	0.51	0.00	0.05	0.01	0.03	0.37		100.0%	0.4%	9.9%	1.6%	5.3%	71.0%
94			149		2	0.75	0.00	0.10	0.00	0.05	0.46		100.0%	0.1%	13.1%	0.3%	6.4%	61.5%
95	M	Patch	150		2	0.85	0.00	0.03	0.00	0.06	0.55		100.0%	0.1%	3.2%	0.2%	7.6%	64.7%
96			151		2	0.63	0.00	0.07	0.01	0.04	0.41		100.0%	0.2%	10.8%	0.8%	6.5%	65.1%
97			157		5	1.99	0.01	0.60	0.00	0.16	1.30		100.0%	0.3%	30.4%	0.2%	8.3%	65.3%
98			158		5	2.01	0.00	0.21	0.00	0.24	1.42		100.0%	0.2%	10.2%	0.0%	11.8%	70.4%
99			159		5	1.78	0.00	0.02	0.00	0.23	1.24		100.0%	0.2%	1.2%	0.1%	13.0%	69.6%
100			160		5	1.82	0.00	0.02	0.00	0.19	1.33		100.0%	0.1%	1.3%	0.1%	10.4%	73.1%
101			161		5	1.70	0.01	0.14	0.03	0.10	1.17		100.0%	0.4%	8.2%	1.7%	6.1%	68.6%
102			166		5	2.10	0.00	0.38	0.00	0.21	1.39		100.0%	0.1%	18.2%	0.1%	10.2%	66.2%
103			167		5	1.86	0.00	0.09	0.00	0.23	1.30		100.0%	0.2%	4.6%	0.1%	12.1%	69.7%
104			168		5	1.67	0.00	0.05	0.01	0.22	1.21		100.0%	0.1%	2.9%	0.4%	13.1%	72.4%
105			169		5	1.86	0.00	0.06	0.01	0.16	1.34		100.0%	0.2%	3.4%	0.5%	8.4%	72.3%
106			1	129	2	0.59	0.01	0.04	0.00	0.07	0.34		100.0%	0.8%	6.7%	0.7%	12.5%	57.7%
107			3	131	2	0.73	0.01	0.05	0.01	0.07	0.31		100.0%	0.7%	7.4%	0.7%	8.9%	42.5%
108			5	133	2	0.62	0.01	0.09	0.01	0.07	0.31		100.0%	0.8%	14.2%	0.8%	11.1%	49.4%
109			7	135	2	0.66	0.01	0.07	0.00	0.07	0.32		100.0%	0.8%	11.1%	0.5%	11.1%	48.6%
110			9	137	2	0.54	0.00	0.12	0.00	0.07	0.26		100.0%	0.7%	21.4%	0.7%	12.6%	48.8%
111			14	142	4	0.92	0.01	0.19	0.01	0.10	0.58		100.0%	1.4%	20.5%	0.9%	11.3%	63.1%
112			15	143	4	1.40	0.01	0.12	0.00	0.20	0.76		100.0%	0.9%	8.6%	0.3%	14.5%	54.1%
113			16	144	4	1.50	0.01	0.05	0.01	0.20	0.86		100.0%	0.5%	3.3%	0.3%	13.3%	57.6%
114			17	145	4	0.80	0.01	0.18	0.02	0.07	0.60		100.0%	1.0%	22.9%	2.3%	8.6%	75.6%
115			21	149	4	1.12	0.01	0.17	0.01	0.15	0.66		100.0%	1.3%	15.3%	0.6%	13.1%	58.9%
116			22	150	4	1.45	0.01	0.06	0.01	0.20	0.86		100.0%	0.4%	4.3%	0.3%	13.9%	59.3%
117			23	151	4	1.15	0.01	0.12	0.01	0.18	0.72		100.0%	0.8%	10.3%	1.0%	15.5%	62.2%
118			29	157	10	2.87	0.03	0.89	0.03	0.30	1.96		100.0%	0.9%	31.0%	0.9%	10.5%	68.4%
119			30	158	10	3.53	0.04	0.34	0.01	0.63	2.22		100.0%	1.1%	9.7%	0.4%	18.0%	63.0%
120			31	159	10	3.51	0.05	0.08	0.01	0.69	2.20		100.0%	1.3%	2.3%	0.2%	19.5%	62.5%
121			32	160	10	3.66	0.03	0.12	0.01	0.66	2.15		100.0%	0.8%	3.4%	0.2%	18.0%	58.9%
122			33	161	10	3.19	0.03	0.61	0.06	0.24	2.27		100.0%	1.0%	19.2%	2.0%	7.6%	71.2%
123			38	166	10	3.46	0.03	0.55	0.02	0.52	2.22		100.0%	0.9%	15.8%	0.5%	15.0%	64.0%
124			39	167	10	3.43	0.04	0.17	0.01	0.67	2.04		100.0%	1.1%	4.8%	0.3%	19.6%	59.6%
125			40	168	10	3.24	0.03	0.13	0.01	0.71	1.92		100.0%	0.8%	3.9%	0.4%	22.0%	59.1%
126			41	169	10	3.44	0.03	0.39	0.03	0.43	2.36		100.0%	0.8%	11.2%	0.9%	12.6%	68.8%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	max ratio out of all beams: ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
							68.5%	68.5%	2.4%	22.1%	2.1%	21.4%	40.5%
64	0.13	0.00	0.01	0.00	0.02	0.05	56.3%	56.3%	1.3%	3.0%	0.4%	10.0%	19.5%
65	0.10	0.00	0.01	0.00	0.02	0.05	41.4%	41.4%	1.2%	4.5%	0.4%	6.6%	20.1%
66	0.07	0.00	0.02	0.00	0.01	0.05	50.8%	50.8%	2.3%	18.2%	0.8%	10.6%	38.6%
67	0.08	0.00	0.01	0.00	0.02	0.05	50.6%	50.6%	1.9%	6.4%	0.6%	9.6%	31.4%
68	0.07	0.00	0.03	0.00	0.02	0.03	40.2%	40.2%	1.2%	17.1%	1.2%	9.8%	18.9%
69	0.17	0.01	0.03	0.00	0.03	0.08	40.4%	40.4%	2.2%	6.6%	0.7%	6.1%	19.1%
70	0.24	0.01	0.02	0.00	0.05	0.11	54.0%	54.0%	1.8%	4.8%	0.2%	12.0%	25.2%
71	0.30	0.00	0.01	0.00	0.06	0.10	57.5%	57.5%	0.8%	2.6%	0.4%	11.0%	19.5%
72	0.09	0.00	0.06	0.01	0.02	0.07	35.9%	35.9%	1.6%	21.9%	2.0%	6.3%	28.5%
73	0.16	0.01	0.03	0.00	0.04	0.10	38.3%	38.3%	2.2%	6.6%	0.5%	10.2%	24.1%
74	0.32	0.00	0.02	0.00	0.05	0.10	61.2%	61.2%	0.6%	2.9%	0.2%	9.6%	18.2%
75	0.29	0.00	0.02	0.00	0.06	0.10	55.9%	55.9%	0.8%	2.9%	0.6%	11.4%	19.8%
76	0.27	0.01	0.12	0.01	0.04	0.20	49.2%	49.2%	1.6%	22.1%	1.6%	8.0%	35.8%
77	0.54	0.01	0.11	0.01	0.18	0.35	55.6%	55.6%	1.2%	11.2%	0.5%	18.9%	36.5%
78	0.65	0.02	0.02	0.00	0.17	0.37	65.3%	65.3%	2.4%	2.1%	0.4%	17.5%	36.8%
79	0.64	0.02	0.03	0.00	0.18	0.30	57.9%	57.9%	1.5%	2.8%	0.3%	16.0%	27.0%
80	0.35	0.02	0.13	0.02	0.04	0.26	40.9%	40.9%	1.9%	15.3%	2.1%	4.9%	30.1%
81	0.39	0.01	0.13	0.01	0.10	0.30	48.3%	48.3%	1.7%	16.6%	0.7%	12.3%	36.8%
82	0.65	0.02	0.05	0.00	0.21	0.35	66.4%	66.4%	2.3%	4.9%	0.3%	21.4%	35.3%
83	0.62	0.02	0.03	0.00	0.20	0.32	60.1%	60.1%	1.4%	2.8%	0.3%	19.1%	30.3%
84	0.51	0.01	0.10	0.01	0.10	0.40	48.3%	48.3%	1.0%	9.4%	1.1%	9.0%	38.1%
85	0.11	0.00	0.01	0.00	0.01	0.06	42.6%	42.6%	0.4%	4.9%	0.8%	2.3%	24.2%
86	0.16	0.00	0.02	0.00	0.01	0.07	41.9%	41.9%	0.3%	4.9%	0.5%	2.3%	18.9%
87	0.16	0.00	0.02	0.00	0.01	0.08	44.6%	44.6%	0.0%	4.6%	0.3%	2.2%	20.7%
88	0.16	0.00	0.02	0.00	0.01	0.07	45.3%	45.3%	0.0%	6.7%	0.3%	2.2%	19.3%
89	0.14	0.00	0.02	0.00	0.01	0.07	46.3%	46.3%	0.0%	7.8%	0.3%	2.4%	22.6%
90	0.37	0.00	0.07	0.00	0.02	0.18	52.9%	52.9%	0.1%	10.2%	0.3%	3.2%	26.0%
91	0.49	0.00	0.04	0.00	0.03	0.24	58.0%	58.0%	0.1%	4.5%	0.0%	3.3%	27.7%
92	0.50	0.00	0.01	0.00	0.03	0.25	58.3%	58.3%	0.1%	0.8%	0.2%	3.4%	29.1%
93	0.23	0.00	0.03	0.01	0.01	0.15	43.8%	43.8%	0.4%	6.2%	1.4%	2.1%	28.6%
94	0.39	0.00	0.06	0.00	0.02	0.19	51.7%	51.7%	0.1%	8.2%	0.3%	2.5%	24.9%
95	0.48	0.00	0.01	0.00	0.03	0.24	56.8%	56.8%	0.1%	1.4%	0.2%	3.2%	28.6%
96	0.31	0.00	0.04	0.00	0.02	0.17	49.1%	49.1%	0.2%	7.0%	0.6%	2.7%	27.4%
97	1.07	0.01	0.37	0.00	0.07	0.63	54.0%	54.0%	0.3%	18.4%	0.2%	3.7%	31.6%
98	1.32	0.00	0.08	0.00	0.11	0.80	65.7%	65.7%	0.1%	3.8%	0.0%	5.7%	39.9%
99	1.16	0.00	0.01	0.00	0.12	0.70	65.3%	65.3%	0.1%	0.6%	0.1%	6.5%	39.3%
100	1.19	0.00	0.02	0.00	0.09	0.72	65.3%	65.3%	0.1%	0.8%	0.1%	5.0%	39.5%
101	0.78	0.00	0.07	0.03	0.05	0.51	46.0%	46.0%	0.2%	4.1%	1.5%	2.6%	30.1%
102	1.25	0.00	0.21	0.00	0.10	0.74	59.9%	59.9%	0.0%	9.8%	0.0%	4.7%	35.1%
103	1.21	0.00	0.02	0.00	0.11	0.74	64.7%	64.7%	0.2%	1.0%	0.1%	5.9%	39.5%
104	1.14	0.00	0.02	0.01	0.11	0.68	67.8%	67.8%	0.1%	1.4%	0.4%	6.5%	40.5%
105	1.07	0.00	0.03	0.01	0.07	0.68	57.4%	57.4%	0.1%	1.7%	0.5%	3.9%	36.3%
106	0.30	0.00	0.03	0.00	0.04	0.14	51.1%	51.1%	0.7%	4.9%	0.7%	5.9%	23.8%
107	0.31	0.00	0.04	0.01	0.03	0.12	41.8%	41.8%	0.5%	4.8%	0.7%	3.8%	15.8%
108	0.30	0.01	0.05	0.00	0.03	0.11	48.1%	48.1%	0.8%	8.5%	0.6%	4.8%	18.2%
109	0.32	0.00	0.04	0.00	0.03	0.12	48.2%	48.2%	0.6%	5.9%	0.5%	4.7%	17.7%
110	0.22	0.00	0.06	0.00	0.03	0.09	39.7%	39.7%	0.6%	11.5%	0.7%	5.5%	17.2%
111	0.45	0.01	0.12	0.01	0.06	0.26	48.2%	48.2%	1.2%	13.0%	0.8%	6.1%	28.4%
112	0.83	0.01	0.08	0.00	0.10	0.35	59.4%	59.4%	0.7%	5.7%	0.1%	6.9%	25.4%
113	0.87	0.00	0.03	0.01	0.09	0.40	58.2%	58.2%	0.3%	1.7%	0.3%	6.0%	26.3%
114	0.37	0.01	0.08	0.02	0.03	0.26	46.3%	46.3%	0.9%	10.0%	2.1%	4.0%	31.9%
115	0.57	0.01	0.11	0.01	0.08	0.30	51.0%	51.0%	1.1%	9.8%	0.6%	6.7%	26.7%
116	0.90	0.00	0.03	0.00	0.09	0.39	61.8%	61.8%	0.3%	2.3%	0.2%	6.2%	27.0%
117	0.62	0.01	0.07	0.01	0.09	0.31	54.1%	54.1%	0.5%	6.3%	0.8%	7.5%	27.2%
118	1.57	0.02	0.54	0.02	0.14	0.95	54.7%	54.7%	0.8%	18.9%	0.6%	5.0%	33.0%
119	2.14	0.03	0.16	0.01	0.35	1.20	60.8%	60.8%	0.7%	4.4%	0.2%	10.0%	34.0%
120	2.36	0.04	0.04	0.01	0.39	1.17	67.3%	67.3%	1.1%	1.2%	0.1%	11.1%	33.3%
121	2.38	0.02	0.06	0.01	0.35	1.10	65.0%	65.0%	0.5%	1.6%	0.1%	9.6%	30.1%
122	1.35	0.03	0.29	0.06	0.10	1.04	42.2%	42.2%	0.9%	9.1%	1.8%	3.2%	32.5%
123	1.90	0.02	0.33	0.01	0.27	1.10	55.0%	55.0%	0.7%	9.5%	0.3%	7.7%	31.6%
124	2.21	0.04	0.10	0.01	0.39	1.10	64.5%	64.5%	1.0%	2.8%	0.1%	11.4%	32.2%
125	2.22	0.02	0.06	0.01	0.39	1.03	68.5%	68.5%	0.7%	1.7%	0.3%	11.9%	31.6%
126	1.90	0.02	0.20	0.03	0.22	1.25	55.3%	55.3%	0.5%	5.8%	0.8%	6.3%	36.3%

- M–patch Mid CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	max ratio out of all beams: 100.0% ratio (Right 2mm)/(worst-surface 2mm)	3.0% ratio (Left 2mm)/(worst-surface 2mm)	53.1% ratio (Top 2mm)/(worst-surface 2mm)	3.8% ratio (Bottom 2mm)/(worst-surface 2mm)	33.7% ratio (Fornt 2mm)/(worst-surface 2mm)	100.0% ratio (Rear 2mm)/(worst-surface 2mm)
64			1		1	0.27	0.00	0.01	0.00	0.06	0.10		100.0%	0.8%	4.1%	0.4%	22.2%	38.7%
65			3		1	0.23	0.00	0.02	0.00	0.04	0.12		100.0%	1.3%	8.4%	0.9%	15.4%	51.1%
66			5		1	0.13	0.00	0.05	0.00	0.03	0.11		100.0%	3.0%	36.6%	0.7%	21.6%	78.4%
67			7		1	0.14	0.00	0.03	0.00	0.04	0.12		100.0%	2.2%	21.2%	2.2%	26.3%	83.9%
68			9		1	0.19	0.00	0.06	0.00	0.03	0.09		100.0%	1.6%	32.3%	1.6%	15.6%	46.4%
69			14		2	0.41	0.01	0.04	0.01	0.06	0.20		100.0%	1.7%	9.2%	1.2%	15.5%	48.8%
70			15		2	0.49	0.01	0.03	0.00	0.12	0.20		100.0%	1.2%	6.0%	0.4%	25.3%	41.9%
71			16		2	0.53	0.00	0.03	0.00	0.13	0.24		100.0%	0.8%	5.3%	0.4%	23.5%	45.8%
72			17		2	0.27	0.01	0.12	0.01	0.04	0.17		100.0%	2.2%	44.4%	2.2%	16.0%	62.3%
73			21		2	0.44	0.01	0.04	0.00	0.08	0.21		100.0%	1.6%	8.2%	0.9%	19.0%	47.6%
74			22		2	0.56	0.00	0.02	0.00	0.14	0.25		100.0%	0.5%	3.4%	0.4%	25.1%	45.5%
75			23		2	0.52	0.00	0.03	0.00	0.12	0.24		100.0%	0.8%	6.4%	0.6%	22.9%	46.0%
76			29		5	0.45	0.01	0.25	0.02	0.10	0.48		93.9%	2.3%	53.1%	3.8%	21.5%	100.0%
77			30		5	0.89	0.03	0.16	0.01	0.28	0.72		100.0%	2.8%	17.4%	0.6%	31.5%	80.6%
78			31		5	1.08	0.03	0.06	0.01	0.33	0.53		100.0%	2.3%	5.8%	0.6%	30.3%	49.4%
79			32		5	1.04	0.02	0.09	0.00	0.28	0.64		100.0%	1.7%	8.3%	0.4%	26.9%	61.6%
80			33		5	0.92	0.02	0.27	0.02	0.10	0.60		100.0%	1.8%	29.2%	2.0%	10.4%	65.4%
81			38		5	0.70	0.02	0.20	0.01	0.18	0.71		98.6%	2.7%	28.1%	1.1%	25.6%	100.0%
82			39		5	1.07	0.03	0.08	0.01	0.36	0.62		100.0%	2.3%	7.0%	0.6%	33.7%	57.9%
83			40		5	1.00	0.02	0.10	0.01	0.31	0.50		100.0%	1.6%	9.7%	0.5%	31.2%	50.0%
84			41		5	1.17	0.01	0.18	0.01	0.15	0.92		100.0%	1.0%	15.3%	0.9%	12.6%	78.7%
85			129		1	0.29	0.00	0.02	0.00	0.02	0.19		100.0%	0.3%	6.9%	0.7%	5.5%	65.7%
86			131		1	0.39	0.00	0.03	0.00	0.02	0.19		100.0%	0.3%	6.4%	0.5%	5.2%	50.0%
87			133		1	0.36	0.00	0.03	0.00	0.02	0.20		100.0%	0.3%	7.8%	0.6%	5.3%	54.9%
88			135		1	0.35	0.00	0.04	0.00	0.02	0.19		100.0%	0.3%	11.3%	0.3%	6.1%	54.3%
89			137		1	0.28	0.00	0.05	0.00	0.02	0.17		100.0%	0.4%	18.0%	0.4%	6.3%	58.1%
90			142		2	0.67	0.00	0.12	0.00	0.05	0.43		100.0%	0.3%	17.5%	0.3%	7.3%	63.6%
91			143		2	0.81	0.00	0.05	0.00	0.06	0.52		100.0%	0.1%	6.0%	0.1%	7.7%	63.3%
92			144		2	0.83	0.00	0.01	0.00	0.07	0.54		100.0%	0.1%	1.7%	0.2%	7.9%	64.9%
93			145		2	0.58	0.00	0.05	0.01	0.04	0.35		100.0%	0.3%	9.0%	1.2%	6.0%	60.8%
94			149		2	0.72	0.00	0.09	0.00	0.05	0.44		100.0%	0.1%	12.3%	0.4%	6.4%	61.7%
95	M	Patch	150		2	0.82	0.00	0.03	0.00	0.07	0.52		100.0%	0.1%	3.7%	0.2%	8.0%	64.0%
96			151		2	0.61	0.00	0.07	0.01	0.04	0.38		100.0%	0.3%	10.8%	0.8%	6.7%	61.7%
97			157		5	1.95	0.00	0.55	0.00	0.15	1.28		100.0%	0.2%	28.2%	0.2%	7.5%	65.6%
98			158		5	1.94	0.01	0.21	0.00	0.23	1.35		100.0%	0.3%	11.0%	0.1%	11.9%	69.6%
99			159		5	1.72	0.00	0.02	0.00	0.23	1.18		100.0%	0.2%	1.4%	0.1%	13.4%	68.6%
100			160		5	1.74	0.00	0.03	0.00	0.20	1.26		100.0%	0.2%	1.7%	0.1%	11.4%	72.5%
101			161		5	1.81	0.01	0.12	0.03	0.12	1.10		100.0%	0.3%	6.5%	1.5%	6.6%	60.6%
102			166		5	2.06	0.01	0.38	0.00	0.20	1.38		100.0%	0.2%	18.5%	0.1%	9.7%	66.9%
103			167		5	1.79	0.01	0.08	0.00	0.22	1.22		100.0%	0.3%	4.7%	0.1%	12.5%	68.2%
104			168		5	1.65	0.00	0.05	0.01	0.22	1.17		100.0%	0.1%	3.3%	0.4%	13.1%	70.9%
105			169		5	1.83	0.00	0.09	0.01	0.16	1.25		100.0%	0.2%	4.6%	0.5%	8.7%	68.3%
106			1	129	2	0.63	0.00	0.04	0.00	0.09	0.35		100.0%	0.6%	6.0%	0.6%	14.1%	55.5%
107			3	131	2	0.69	0.01	0.05	0.00	0.07	0.32		100.0%	0.7%	7.9%	0.6%	9.6%	46.6%
108			5	133	2	0.58	0.01	0.10	0.00	0.06	0.31		100.0%	1.0%	17.7%	0.7%	10.8%	53.3%
109			7	135	2	0.60	0.01	0.07	0.01	0.08	0.29		100.0%	0.8%	11.4%	0.8%	12.5%	48.4%
110			9	137	2	0.57	0.00	0.11	0.00	0.07	0.28		100.0%	0.5%	18.3%	0.7%	11.5%	49.6%
111			14	142	4	0.90	0.01	0.19	0.01	0.10	0.56		100.0%	1.4%	21.5%	1.1%	10.9%	62.2%
112			15	143	4	1.36	0.01	0.11	0.00	0.22	0.71		100.0%	0.7%	8.3%	0.3%	16.3%	52.6%
113			16	144	4	1.48	0.01	0.05	0.00	0.20	0.83		100.0%	0.4%	3.5%	0.3%	13.7%	55.8%
114			17	145	4	0.86	0.01	0.18	0.02	0.08	0.58		100.0%	1.0%	20.4%	2.0%	9.2%	67.6%
115			21	149	4	1.07	0.01	0.17	0.01	0.15	0.63		100.0%	1.1%	15.7%	0.7%	14.2%	59.0%
116			22	150	4	1.44	0.00	0.06	0.00	0.23	0.85		100.0%	0.3%	4.2%	0.2%	15.7%	58.9%
117			23	151	4	1.16	0.01	0.10	0.01	0.17	0.69		100.0%	0.6%	9.0%	0.8%	15.0%	59.8%
118			29	157	10	2.65	0.02	0.72	0.03	0.28	1.72		100.0%	0.8%	27.3%	0.9%	10.4%	65.1%
119			30	158	10	3.16	0.05	0.31	0.01	0.58	2.00		100.0%	1.6%	9.9%	0.2%	18.2%	63.4%
120			31	159	10	3.40	0.04	0.11	0.01	0.73	2.11		100.0%	1.2%	3.2%	0.3%	21.5%	62.1%
121			32	160	10	3.45	0.03	0.19	0.01	0.62	2.10		100.0%	0.8%	5.4%	0.2%	17.8%	60.8%
122			33	161	10	3.16	0.04	0.51	0.06	0.23	2.25		100.0%	1.1%	16.3%	1.8%	7.2%	71.3%
123			38	166	10	3.10	0.04	0.49	0.01	0.47	2.03		100.0%	1.2%	15.7%	0.4%	15.1%	65.5%
124			39	167	10	3.40	0.05	0.13	0.01	0.70	2.05		100.0%	1.4%	3.9%	0.3%	20.4%	60.1%
125			40	168	10	3.05	0.02	0.18	0.01	0.66	1.88		100.0%	0.7%	5.9%	0.4%	21.6%	61.6%
126			41	169	10	3.35	0.02	0.36	0.02	0.36	2.52		100.0%	0.6%	10.8%	0.7%	10.9%	75.1%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	max ratio out of all beams: 69.7% ratio worst-surface (10mm/2mm)	69.7% ratio (Right 10mm)/(worst-surface 2mm)	2.2% ratio (Left 10mm)/(worst-surface 2mm)	29.5% ratio (Top 10mm)/(worst-surface 2mm)	1.9% ratio (Bottom 10mm)/(worst-surface 2mm)	19.0% ratio (Front 10mm)/(worst-surface 2mm)	49.6% ratio (Rear 10mm)/(worst-surface 2mm)
64	0.14	0.00	0.01	0.00	0.03	0.05	54.1%	54.1%	0.4%	1.9%	0.4%	10.9%	17.3%
65	0.10	0.00	0.01	0.00	0.02	0.04	45.4%	45.4%	1.3%	5.3%	0.4%	7.0%	17.6%
66	0.07	0.00	0.02	0.00	0.01	0.05	51.5%	51.5%	2.2%	17.9%	0.7%	10.4%	38.1%
67	0.07	0.00	0.01	0.00	0.02	0.05	48.9%	48.9%	2.2%	10.2%	0.7%	12.4%	37.2%
68	0.07	0.00	0.03	0.00	0.02	0.04	38.5%	38.5%	1.0%	16.1%	1.0%	7.8%	19.8%
69	0.16	0.01	0.03	0.00	0.03	0.08	39.6%	39.6%	1.4%	6.0%	0.5%	7.0%	20.0%
70	0.27	0.00	0.02	0.00	0.06	0.08	56.3%	56.3%	0.8%	4.3%	0.2%	12.1%	16.8%
71	0.31	0.00	0.01	0.00	0.06	0.11	58.5%	58.5%	0.6%	1.9%	0.2%	12.0%	21.4%
72	0.10	0.01	0.05	0.01	0.02	0.08	36.6%	36.6%	2.2%	19.4%	1.9%	7.5%	29.9%
73	0.18	0.01	0.03	0.00	0.04	0.09	41.9%	41.9%	1.1%	5.9%	0.5%	8.9%	20.6%
74	0.36	0.00	0.01	0.00	0.07	0.11	64.2%	64.2%	0.4%	2.2%	0.2%	12.0%	18.8%
75	0.29	0.00	0.01	0.00	0.06	0.12	55.9%	55.9%	0.6%	2.5%	0.2%	11.8%	22.5%
76	0.23	0.01	0.14	0.01	0.04	0.23	49.1%	48.0%	1.9%	29.5%	1.7%	9.3%	49.1%
77	0.49	0.02	0.10	0.00	0.16	0.41	55.2%	55.2%	2.0%	11.5%	0.3%	17.7%	46.0%
78	0.75	0.02	0.03	0.00	0.20	0.30	69.1%	69.1%	1.9%	2.7%	0.4%	18.6%	28.1%
79	0.58	0.01	0.04	0.00	0.17	0.33	56.3%	56.3%	1.2%	4.2%	0.3%	16.0%	31.7%
80	0.37	0.02	0.08	0.02	0.04	0.32	40.1%	40.1%	1.7%	9.1%	1.6%	4.7%	34.5%
81	0.32	0.01	0.13	0.01	0.10	0.35	49.6%	44.2%	2.0%	18.5%	0.7%	14.3%	49.6%
82	0.73	0.02	0.04	0.00	0.20	0.37	68.1%	68.1%	1.8%	3.7%	0.3%	19.0%	34.8%
83	0.62	0.01	0.05	0.00	0.18	0.27	61.8%	61.8%	1.2%	4.7%	0.3%	18.2%	26.6%
84	0.54	0.01	0.06	0.01	0.08	0.52	45.9%	45.9%	0.9%	5.5%	0.7%	7.0%	44.2%
85	0.11	0.00	0.01	0.00	0.01	0.07	39.4%	39.4%	0.3%	4.5%	0.7%	2.4%	24.6%
86	0.16	0.00	0.02	0.00	0.01	0.07	41.2%	41.2%	0.0%	4.4%	0.5%	2.3%	17.8%
87	0.16	0.00	0.02	0.00	0.01	0.07	45.1%	45.1%	0.3%	5.3%	0.3%	2.2%	20.1%
88	0.16	0.00	0.02	0.00	0.01	0.07	46.8%	46.8%	0.3%	6.4%	0.3%	2.6%	20.5%
89	0.13	0.00	0.02	0.00	0.01	0.07	45.8%	45.8%	0.0%	8.5%	0.4%	2.5%	22.9%
90	0.36	0.00	0.07	0.00	0.02	0.18	53.4%	53.4%	0.3%	10.1%	0.3%	3.1%	26.6%
91	0.46	0.00	0.03	0.00	0.03	0.22	57.1%	57.1%	0.1%	4.1%	0.0%	3.3%	27.3%
92	0.49	0.00	0.01	0.00	0.03	0.24	58.6%	58.6%	0.1%	0.8%	0.2%	3.4%	28.9%
93	0.27	0.00	0.03	0.01	0.01	0.14	45.8%	45.8%	0.3%	5.7%	1.2%	2.4%	23.9%
94	0.37	0.00	0.06	0.00	0.02	0.18	51.8%	51.8%	0.1%	7.7%	0.3%	2.6%	25.5%
95	0.47	0.00	0.01	0.00	0.03	0.23	57.6%	57.6%	0.0%	1.6%	0.2%	3.4%	28.4%
96	0.30	0.00	0.04	0.00	0.02	0.16	49.4%	49.4%	0.2%	6.4%	0.7%	2.9%	26.8%
97	1.05	0.00	0.34	0.00	0.07	0.62	53.8%	53.8%	0.2%	17.4%	0.1%	3.4%	31.6%
98	1.26	0.00	0.07	0.00	0.11	0.76	64.8%	64.8%	0.2%	3.6%	0.1%	5.7%	39.1%
99	1.12	0.00	0.01	0.00	0.12	0.66	65.1%	65.1%	0.1%	0.6%	0.1%	7.0%	38.2%
100	1.14	0.00	0.02	0.00	0.10	0.70	65.9%	65.9%	0.1%	1.0%	0.1%	5.6%	40.2%
101	0.87	0.01	0.06	0.02	0.06	0.48	48.3%	48.3%	0.3%	3.4%	1.3%	3.1%	26.6%
102	1.23	0.00	0.18	0.00	0.09	0.74	59.7%	59.7%	0.1%	8.8%	0.0%	4.5%	35.7%
103	1.16	0.00	0.02	0.00	0.11	0.68	64.4%	64.4%	0.2%	1.1%	0.1%	6.3%	37.9%
104	1.10	0.00	0.03	0.01	0.11	0.66	66.4%	66.4%	0.1%	1.9%	0.4%	6.7%	40.2%
105	1.05	0.00	0.04	0.01	0.08	0.62	57.2%	57.2%	0.1%	2.4%	0.4%	4.2%	34.1%
106	0.29	0.00	0.03	0.00	0.04	0.15	46.4%	46.4%	0.5%	4.1%	0.5%	6.6%	24.0%
107	0.30	0.00	0.03	0.00	0.03	0.11	44.1%	44.1%	0.6%	5.0%	0.4%	4.4%	15.8%
108	0.29	0.01	0.06	0.00	0.03	0.11	49.4%	49.4%	0.9%	10.6%	0.5%	5.1%	18.2%
109	0.29	0.01	0.04	0.00	0.03	0.12	48.2%	48.2%	0.8%	6.0%	0.5%	5.5%	19.4%
110	0.24	0.00	0.06	0.00	0.03	0.10	41.0%	41.0%	0.5%	10.1%	0.5%	5.6%	16.6%
111	0.42	0.01	0.12	0.01	0.05	0.27	46.2%	46.2%	1.2%	13.7%	0.7%	5.9%	29.9%
112	0.81	0.01	0.08	0.00	0.11	0.32	59.8%	59.8%	0.5%	5.5%	0.1%	8.0%	23.8%
113	0.86	0.00	0.02	0.00	0.10	0.38	58.0%	58.0%	0.3%	1.6%	0.2%	6.6%	25.4%
114	0.42	0.01	0.08	0.02	0.04	0.25	49.0%	49.0%	1.0%	8.9%	1.7%	4.5%	29.1%
115	0.54	0.01	0.11	0.01	0.08	0.28	50.6%	50.6%	0.7%	10.5%	0.6%	7.1%	26.2%
116	0.91	0.00	0.04	0.00	0.11	0.37	63.3%	63.3%	0.2%	2.4%	0.1%	7.5%	25.8%
117	0.64	0.01	0.06	0.01	0.09	0.32	55.0%	55.0%	0.4%	4.8%	0.6%	7.8%	27.4%
118	1.40	0.02	0.46	0.01	0.12	0.89	53.0%	53.0%	0.6%	17.2%	0.5%	4.5%	33.8%
119	1.95	0.04	0.17	0.01	0.32	1.07	61.6%	61.6%	1.2%	5.3%	0.2%	10.1%	33.9%
120	2.37	0.04	0.05	0.01	0.44	1.14	69.7%	69.7%	1.0%	1.4%	0.2%	13.0%	33.3%
121	2.24	0.02	0.10	0.01	0.34	1.08	64.9%	64.9%	0.5%	2.9%	0.2%	10.0%	31.2%
122	1.36	0.03	0.21	0.05	0.12	1.08	43.0%	43.0%	0.9%	6.6%	1.7%	3.7%	34.1%
123	1.73	0.03	0.28	0.01	0.25	1.05	55.7%	55.7%	0.9%	9.0%	0.2%	7.9%	34.0%
124	2.24	0.04	0.07	0.01	0.41	1.11	65.9%	65.9%	1.1%	2.0%	0.1%	12.0%	32.5%
125	2.12	0.02	0.09	0.01	0.37	0.98	69.5%	69.5%	0.6%	2.8%	0.3%	12.2%	32.0%
126	1.87	0.02	0.17	0.02	0.19	1.36	55.9%	55.9%	0.5%	5.1%	0.6%	5.8%	40.5%

- M–patch High CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	max ratio out of all beams: 100.0% ratio (Right 2mm)/(worst-surface 2mm)	3.0% ratio (Left 2mm)/(worst-surface 2mm)	58.7% ratio (Top 2mm)/(worst-surface 2mm)	4.5% ratio (Bottom 2mm)/(worst-surface 2mm)	34.5% ratio (Fornt 2mm)/(worst-surface 2mm)	100.0% ratio (Rear 2mm)/(worst-surface 2mm)
64			1		1	0.27	0.00	0.01	0.00	0.05	0.10		100.0%	0.7%	4.8%	0.7%	19.1%	36.4%
65			3		1	0.20	0.00	0.02	0.00	0.03	0.12		100.0%	2.0%	11.3%	0.5%	14.8%	57.1%
66			5		1	0.14	0.00	0.04	0.00	0.04	0.09		100.0%	2.8%	24.8%	0.7%	27.7%	65.2%
67			7		1	0.14	0.00	0.04	0.00	0.04	0.11		100.0%	2.9%	26.5%	1.5%	27.9%	82.4%
68			9		1	0.19	0.00	0.06	0.00	0.03	0.10		100.0%	1.6%	31.9%	1.6%	17.0%	51.1%
69			14		2	0.40	0.01	0.05	0.00	0.06	0.20		100.0%	2.0%	12.1%	1.0%	14.1%	50.0%
70			15		2	0.48	0.01	0.03	0.00	0.11	0.20		100.0%	1.2%	6.2%	0.4%	22.6%	41.2%
71			16		2	0.51	0.00	0.04	0.00	0.11	0.24		100.0%	0.6%	7.6%	0.6%	20.5%	47.7%
72			17		2	0.27	0.01	0.13	0.01	0.03	0.20		100.0%	3.0%	49.2%	2.3%	12.8%	76.3%
73			21		2	0.43	0.01	0.04	0.00	0.07	0.20		100.0%	1.6%	8.8%	0.7%	17.1%	46.3%
74			22		2	0.54	0.00	0.02	0.00	0.12	0.25		100.0%	0.6%	3.3%	0.4%	22.9%	46.8%
75			23		2	0.49	0.00	0.05	0.00	0.10	0.24		100.0%	0.8%	9.7%	0.6%	19.8%	47.6%
76			29		5	0.45	0.01	0.26	0.02	0.10	0.44		100.0%	2.2%	58.7%	4.5%	21.3%	98.2%
77			30		5	0.88	0.02	0.18	0.01	0.28	0.73		100.0%	2.5%	20.0%	0.7%	31.8%	82.7%
78			31		5	1.16	0.02	0.06	0.00	0.38	0.48		100.0%	1.6%	4.9%	0.3%	32.4%	41.5%
79			32		5	1.05	0.02	0.09	0.01	0.26	0.70		100.0%	1.5%	8.1%	0.5%	24.4%	67.2%
80			33		5	0.80	0.02	0.30	0.02	0.09	0.54		100.0%	2.1%	36.8%	1.9%	10.6%	67.2%
81			38		5	0.67	0.02	0.19	0.01	0.20	0.71		93.8%	2.7%	26.7%	1.3%	28.0%	100.0%
82			39		5	1.12	0.02	0.08	0.01	0.39	0.55		100.0%	1.7%	6.7%	0.5%	34.5%	49.4%
83			40		5	1.03	0.02	0.12	0.01	0.30	0.51		100.0%	1.8%	11.6%	0.7%	29.3%	49.9%
84			41		5	1.05	0.02	0.16	0.01	0.13	0.94		100.0%	1.4%	15.1%	1.2%	12.1%	90.0%
85			129		1	0.30	0.00	0.02	0.00	0.02	0.20		100.0%	0.7%	6.9%	0.7%	5.6%	66.7%
86			131		1	0.37	0.00	0.03	0.00	0.02	0.19		100.0%	0.3%	6.7%	0.5%	5.4%	50.7%
87			133		1	0.35	0.00	0.03	0.00	0.02	0.19		100.0%	0.3%	7.6%	0.6%	5.9%	53.8%
88			135		1	0.33	0.00	0.04	0.00	0.02	0.18		100.0%	0.3%	11.5%	0.6%	6.3%	55.0%
89			137		1	0.27	0.00	0.05	0.00	0.02	0.16		100.0%	0.4%	19.7%	0.4%	5.8%	58.8%
90			142		2	0.66	0.00	0.12	0.00	0.05	0.43		100.0%	0.2%	17.9%	0.6%	7.4%	64.5%
91			143		2	0.79	0.00	0.05	0.00	0.06	0.50		100.0%	0.1%	6.2%	0.1%	7.8%	63.0%
92			144		2	0.81	0.00	0.02	0.00	0.07	0.51		100.0%	0.1%	2.4%	0.2%	8.3%	63.9%
93			145		2	0.59	0.00	0.06	0.01	0.04	0.34		100.0%	0.3%	9.7%	1.2%	6.6%	58.3%
94			149		2	0.71	0.00	0.09	0.00	0.05	0.45		100.0%	0.1%	12.3%	0.4%	6.3%	63.7%
95	M	Patch	150		2	0.78	0.00	0.03	0.00	0.07	0.50		100.0%	0.1%	3.7%	0.3%	8.5%	64.4%
96			151		2	0.59	0.00	0.06	0.01	0.04	0.35		100.0%	0.3%	10.1%	0.8%	7.2%	59.6%
97			157		5	1.93	0.00	0.54	0.01	0.15	1.30		100.0%	0.2%	27.7%	0.3%	7.7%	67.6%
98			158		5	1.86	0.01	0.19	0.00	0.22	1.28		100.0%	0.3%	10.5%	0.1%	11.6%	69.2%
99			159		5	1.68	0.00	0.02	0.00	0.22	1.14		100.0%	0.2%	1.4%	0.1%	13.4%	68.1%
100			160		5	1.68	0.00	0.06	0.00	0.20	1.22		100.0%	0.2%	3.3%	0.1%	11.9%	72.2%
101			161		5	1.79	0.01	0.14	0.03	0.13	1.04		100.0%	0.3%	7.7%	1.5%	7.1%	58.0%
102			166		5	2.00	0.01	0.39	0.00	0.19	1.36		100.0%	0.4%	19.5%	0.1%	9.5%	68.0%
103			167		5	1.74	0.01	0.07	0.00	0.22	1.18		100.0%	0.3%	3.9%	0.1%	12.6%	68.0%
104			168		5	1.60	0.00	0.06	0.01	0.21	1.12		100.0%	0.2%	3.7%	0.4%	13.2%	69.6%
105			169		5	1.78	0.01	0.12	0.01	0.17	1.20		100.0%	0.4%	6.8%	0.4%	9.4%	67.4%
106			1	129	2	0.63	0.00	0.04	0.00	0.08	0.35		100.0%	0.5%	6.5%	0.6%	13.4%	54.8%
107			3	131	2	0.65	0.01	0.05	0.00	0.06	0.33		100.0%	1.1%	8.4%	0.6%	8.7%	50.6%
108			5	133	2	0.57	0.01	0.07	0.00	0.08	0.31		100.0%	0.9%	13.0%	0.7%	14.1%	53.9%
109			7	135	2	0.57	0.01	0.07	0.01	0.07	0.28		100.0%	1.2%	12.1%	1.1%	12.8%	48.4%
110			9	137	2	0.55	0.01	0.11	0.01	0.06	0.29		100.0%	0.9%	19.7%	1.3%	11.4%	52.2%
111			14	142	4	0.91	0.01	0.18	0.01	0.09	0.58		100.0%	1.1%	19.9%	1.3%	9.8%	64.5%
112			15	143	4	1.29	0.01	0.11	0.00	0.20	0.71		100.0%	0.8%	8.5%	0.3%	15.8%	55.0%
113			16	144	4	1.44	0.01	0.08	0.01	0.19	0.80		100.0%	0.3%	5.4%	0.4%	13.2%	55.4%
114			17	145	4	0.84	0.01	0.18	0.02	0.08	0.55		100.0%	1.3%	21.9%	2.4%	9.0%	65.6%
115			21	149	4	1.08	0.01	0.16	0.01	0.14	0.72		100.0%	1.2%	14.9%	0.8%	12.8%	66.5%
116			22	150	4	1.39	0.01	0.06	0.00	0.21	0.83		100.0%	0.4%	4.3%	0.3%	15.1%	59.8%
117			23	151	4	1.15	0.01	0.13	0.01	0.17	0.66		100.0%	0.5%	11.3%	1.1%	14.6%	56.9%
118			29	157	10	2.47	0.02	0.66	0.03	0.30	1.87		100.0%	0.7%	26.8%	1.3%	12.1%	75.9%
119			30	158	10	3.04	0.05	0.35	0.01	0.59	1.94		100.0%	1.6%	11.5%	0.3%	19.3%	64.0%
120			31	159	10	3.27	0.03	0.10	0.01	0.75	1.91		100.0%	0.9%	3.1%	0.2%	22.8%	58.3%
121			32	160	10	3.29	0.03	0.23	0.01	0.57	2.01		100.0%	0.8%	6.8%	0.3%	17.2%	61.3%
122			33	161	10	2.97	0.04	0.51	0.05	0.23	2.01		100.0%	1.2%	17.1%	1.8%	7.6%	67.7%
123			38	166	10	2.81	0.04	0.48	0.02	0.46	2.13		100.0%	1.5%	17.2%	0.6%	16.4%	75.7%
124			39	167	10	3.33	0.04	0.15	0.01	0.74	1.87		100.0%	1.3%	4.4%	0.3%	22.2%	56.2%
125			40	168	10	3.00	0.03	0.20	0.01	0.62	1.82		100.0%	1.0%	6.7%	0.4%	20.8%	60.9%
126			41	169	10	3.05	0.03	0.35	0.03	0.36	2.50		100.0%	0.9%	11.4%	0.8%	11.9%	82.1%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	max ratio out of all beams: 69.7% ratio worst-surface (10mm/2mm)	69.7% ratio (Right 10mm)/(worst-surface 2mm)	2.3% ratio (Left 10mm)/(worst-surface 2mm)	35.3% ratio (Top 10mm)/(worst-surface 2mm)	2.2% ratio (Bottom 10mm)/(worst-surface 2mm)	21.8% ratio (Front 10mm)/(worst-surface 2mm)	51.7% ratio (Rear 10mm)/(worst-surface 2mm)
64	0.15	0.00	0.01	0.00	0.03	0.05	54.4%	54.4%	0.4%	2.6%	0.4%	9.6%	17.3%
65	0.10	0.00	0.01	0.00	0.01	0.04	47.8%	47.8%	1.5%	6.4%	0.5%	6.9%	21.7%
66	0.08	0.00	0.02	0.00	0.02	0.05	55.3%	55.3%	2.1%	12.1%	0.7%	13.5%	32.6%
67	0.07	0.00	0.02	0.00	0.02	0.05	49.3%	49.3%	2.2%	13.2%	0.7%	14.7%	39.0%
68	0.07	0.00	0.03	0.00	0.02	0.04	37.2%	37.2%	1.1%	16.5%	1.1%	8.5%	22.3%
69	0.15	0.01	0.03	0.00	0.03	0.09	36.1%	36.1%	1.5%	6.9%	0.5%	6.2%	21.3%
70	0.28	0.01	0.02	0.00	0.06	0.08	57.8%	57.8%	1.0%	3.9%	0.2%	11.8%	17.2%
71	0.31	0.00	0.02	0.00	0.06	0.11	60.9%	60.9%	0.4%	3.9%	0.2%	11.3%	22.3%
72	0.09	0.01	0.06	0.01	0.02	0.10	36.1%	35.0%	2.3%	22.9%	1.9%	5.6%	36.1%
73	0.18	0.01	0.02	0.00	0.04	0.09	42.2%	42.2%	1.4%	5.5%	0.5%	8.8%	20.7%
74	0.36	0.00	0.01	0.00	0.06	0.10	66.9%	66.9%	0.4%	1.7%	0.2%	11.9%	18.6%
75	0.29	0.00	0.03	0.00	0.06	0.12	57.9%	57.9%	0.6%	5.1%	0.4%	11.1%	23.9%
76	0.22	0.01	0.16	0.01	0.04	0.22	49.7%	49.7%	2.0%	35.3%	2.2%	9.2%	48.3%
77	0.49	0.02	0.11	0.00	0.17	0.43	55.5%	55.5%	1.9%	12.0%	0.3%	19.7%	48.4%
78	0.79	0.02	0.03	0.00	0.23	0.25	68.1%	68.1%	1.3%	2.2%	0.3%	19.9%	21.2%
79	0.59	0.02	0.04	0.00	0.14	0.38	56.7%	56.7%	1.4%	4.2%	0.4%	13.3%	36.7%
80	0.34	0.01	0.11	0.01	0.04	0.29	42.9%	42.9%	1.7%	13.9%	1.6%	4.4%	35.8%
81	0.30	0.02	0.11	0.01	0.12	0.36	50.9%	41.9%	2.3%	15.3%	0.7%	17.2%	50.9%
82	0.76	0.02	0.04	0.00	0.24	0.34	67.8%	67.8%	1.3%	3.9%	0.3%	21.8%	30.7%
83	0.65	0.02	0.06	0.00	0.17	0.28	63.3%	63.3%	1.6%	5.9%	0.4%	16.6%	27.4%
84	0.47	0.01	0.06	0.01	0.07	0.54	51.7%	45.1%	1.3%	5.8%	0.7%	6.5%	51.7%
85	0.12	0.00	0.01	0.00	0.01	0.08	40.9%	40.9%	0.3%	4.6%	0.7%	2.3%	25.4%
86	0.16	0.00	0.02	0.00	0.01	0.07	41.8%	41.8%	0.3%	4.3%	0.5%	2.1%	18.5%
87	0.16	0.00	0.02	0.00	0.01	0.07	45.0%	45.0%	0.3%	4.5%	0.6%	2.5%	18.7%
88	0.16	0.00	0.02	0.00	0.01	0.07	47.4%	47.4%	0.3%	6.0%	0.3%	2.7%	20.5%
89	0.13	0.00	0.03	0.00	0.01	0.06	46.4%	46.4%	0.0%	9.5%	0.4%	2.6%	22.6%
90	0.36	0.00	0.07	0.00	0.02	0.18	54.2%	54.2%	0.2%	10.5%	0.3%	3.2%	26.6%
91	0.44	0.00	0.03	0.00	0.03	0.21	56.0%	56.0%	0.1%	4.1%	0.1%	3.4%	26.6%
92	0.47	0.00	0.01	0.00	0.03	0.23	58.8%	58.8%	0.1%	1.1%	0.2%	3.6%	28.7%
93	0.28	0.00	0.03	0.01	0.02	0.13	48.3%	48.3%	0.3%	5.8%	1.0%	2.9%	22.8%
94	0.37	0.00	0.06	0.00	0.02	0.18	51.2%	51.2%	0.1%	7.7%	0.4%	2.7%	25.8%
95	0.46	0.00	0.01	0.00	0.03	0.22	58.8%	58.8%	0.1%	1.8%	0.1%	3.7%	28.3%
96	0.29	0.00	0.04	0.01	0.02	0.14	48.5%	48.5%	0.2%	6.2%	0.8%	3.0%	24.1%
97	1.04	0.00	0.32	0.00	0.07	0.64	54.1%	54.1%	0.1%	16.4%	0.2%	3.4%	33.2%
98	1.18	0.01	0.07	0.00	0.11	0.71	63.6%	63.6%	0.3%	3.8%	0.1%	5.8%	38.2%
99	1.09	0.00	0.01	0.00	0.12	0.64	65.0%	65.0%	0.1%	0.7%	0.1%	7.0%	37.9%
100	1.11	0.00	0.03	0.00	0.10	0.67	66.1%	66.1%	0.1%	1.6%	0.1%	5.9%	39.5%
101	0.92	0.01	0.06	0.02	0.06	0.45	51.3%	51.3%	0.3%	3.3%	1.3%	3.2%	24.9%
102	1.19	0.01	0.19	0.00	0.09	0.72	59.4%	59.4%	0.3%	9.5%	0.1%	4.4%	36.2%
103	1.12	0.00	0.02	0.00	0.11	0.65	64.1%	64.1%	0.2%	1.0%	0.1%	6.4%	37.4%
104	1.06	0.00	0.03	0.01	0.11	0.63	66.0%	66.0%	0.2%	2.1%	0.3%	6.9%	39.3%
105	1.03	0.00	0.06	0.01	0.08	0.59	57.8%	57.8%	0.2%	3.5%	0.4%	4.5%	33.1%
106	0.29	0.00	0.02	0.00	0.04	0.16	46.3%	46.3%	0.5%	3.7%	0.5%	6.2%	25.0%
107	0.29	0.01	0.03	0.00	0.03	0.12	45.4%	45.4%	0.9%	5.0%	0.6%	4.3%	18.6%
108	0.28	0.00	0.04	0.00	0.04	0.11	48.8%	48.8%	0.7%	7.7%	0.7%	7.0%	19.7%
109	0.27	0.01	0.04	0.00	0.03	0.12	46.8%	46.8%	1.1%	6.7%	0.5%	6.0%	21.1%
110	0.22	0.00	0.06	0.00	0.03	0.10	40.6%	40.6%	0.5%	11.1%	0.7%	5.8%	17.8%
111	0.41	0.01	0.12	0.01	0.05	0.26	45.3%	45.3%	1.0%	12.9%	0.7%	5.2%	28.6%
112	0.79	0.01	0.07	0.00	0.11	0.29	60.9%	60.9%	0.6%	5.3%	0.2%	8.3%	22.7%
113	0.85	0.00	0.04	0.00	0.10	0.37	59.5%	59.5%	0.3%	3.1%	0.2%	6.7%	26.1%
114	0.42	0.01	0.10	0.02	0.04	0.24	50.3%	50.3%	1.1%	11.4%	2.2%	4.2%	28.4%
115	0.55	0.01	0.10	0.01	0.08	0.30	50.8%	50.8%	0.9%	9.1%	0.7%	7.1%	27.4%
116	0.90	0.00	0.03	0.00	0.11	0.36	64.6%	64.6%	0.3%	2.2%	0.2%	7.9%	25.8%
117	0.64	0.01	0.07	0.01	0.08	0.29	55.8%	55.8%	0.4%	6.4%	0.6%	7.3%	24.9%
118	1.31	0.01	0.41	0.02	0.15	0.88	53.2%	53.2%	0.5%	16.5%	0.6%	6.0%	35.9%
119	1.84	0.04	0.20	0.00	0.35	1.00	60.8%	60.8%	1.2%	6.4%	0.1%	11.5%	33.0%
120	2.26	0.02	0.05	0.01	0.46	1.03	69.0%	69.0%	0.7%	1.6%	0.2%	14.0%	31.5%
121	2.15	0.03	0.12	0.01	0.32	1.07	65.4%	65.4%	0.8%	3.7%	0.2%	9.7%	32.5%
122	1.39	0.03	0.22	0.05	0.11	0.95	46.9%	46.9%	0.9%	7.4%	1.6%	3.6%	31.9%
123	1.59	0.03	0.29	0.01	0.26	0.97	56.4%	56.4%	1.1%	10.5%	0.3%	9.4%	34.4%
124	2.18	0.03	0.08	0.00	0.46	1.01	65.5%	65.5%	0.8%	2.3%	0.1%	13.8%	30.3%
125	2.09	0.02	0.10	0.01	0.36	0.95	69.7%	69.7%	0.7%	3.3%	0.3%	11.9%	31.6%
126	1.77	0.02	0.17	0.02	0.18	1.36	58.0%	58.0%	0.8%	5.7%	0.5%	5.8%	44.6%

Table 7. PD of Ant M – patch antenna (39GHz – n260)

[Folder Open Status]

- M–patch Low CH

													max ratio out of all beams												max ratio out of all beams						
						4cm2 PD(mW/cm2)							100.0%	0.8%	39.9%	2.6%	58.3%	66.5%	4cm2 PD(mW/cm2) at 10mm evaluation distance						68.9%	68.9%	0.7%	27.3%	2.2%	26.3%	34.9%
No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
64			1		1	0.26	0.00	0.02	0.00	0.10	0.10		100.0%	0.4%	6.5%	0.8%	39.5%	39.8%	0.11	0.00	0.01	0.00	0.03	0.04	42.9%	42.9%	0.0%	4.2%	0.8%	12.6%	15.7%
65			3		1	0.29	0.00	0.02	0.00	0.11	0.14		100.0%	0.3%	6.5%	0.7%	38.4%	46.9%	0.12	0.00	0.01	0.00	0.04	0.06	41.2%	41.2%	0.3%	4.4%	0.7%	12.2%	19.4%
66			5		1	0.31	0.00	0.03	0.00	0.12	0.16		100.0%	0.3%	10.4%	0.3%	37.3%	51.3%	0.13	0.00	0.02	0.00	0.04	0.07	41.2%	41.2%	0.0%	6.8%	0.3%	12.0%	23.4%
67			7		1	0.30	0.00	0.04	0.00	0.11	0.14		100.0%	0.3%	13.1%	0.7%	37.2%	48.0%	0.12	0.00	0.02	0.00	0.04	0.07	40.6%	40.6%	0.3%	8.1%	0.3%	11.7%	22.8%
68			9		1	0.27	0.00	0.03	0.00	0.10	0.10		100.0%	0.4%	9.2%	1.1%	37.0%	35.2%	0.12	0.00	0.01	0.00	0.03	0.04	44.3%	44.3%	0.0%	4.4%	1.1%	11.7%	13.2%
69			14		2	0.60	0.00	0.13	0.00	0.18	0.28		100.0%	0.3%	22.0%	0.7%	30.6%	46.9%	0.18	0.00	0.09	0.00	0.06	0.12	29.9%	29.9%	0.3%	14.2%	0.7%	10.4%	19.9%
70			15		2	0.65	0.00	0.05	0.00	0.24	0.30		100.0%	0.2%	7.6%	0.6%	37.0%	45.5%	0.26	0.00	0.03	0.00	0.09	0.14	39.4%	39.4%	0.0%	5.1%	0.6%	13.7%	21.0%
71			16		2	0.54	0.00	0.03	0.00	0.24	0.28		100.0%	0.6%	6.3%	0.2%	45.3%	51.7%	0.30	0.00	0.02	0.00	0.09	0.15	55.0%	55.0%	0.4%	3.2%	0.2%	17.5%	28.2%
72			17		2	0.51	0.00	0.06	0.00	0.16	0.22		100.0%	0.4%	12.0%	0.6%	31.6%	42.6%	0.17	0.00	0.04	0.00	0.06	0.10	33.3%	33.3%	0.4%	8.1%	0.6%	10.8%	19.3%
73			21		2	0.66	0.00	0.11	0.01	0.26	0.34		100.0%	0.2%	17.1%	0.9%	38.9%	52.0%	0.28	0.00	0.07	0.01	0.10	0.16	43.0%	43.0%	0.2%	11.2%	0.8%	15.6%	23.9%
74			22		2	0.60	0.00	0.02	0.00	0.27	0.28		100.0%	0.0%	3.9%	0.5%	44.8%	46.6%	0.30	0.00	0.02	0.00	0.11	0.15	50.7%	50.7%	0.0%	2.7%	0.5%	17.8%	25.0%
75			23		2	0.52	0.00	0.08	0.00	0.19	0.23		100.0%	0.6%	15.1%	0.8%	36.7%	43.8%	0.23	0.00	0.04	0.00	0.07	0.12	43.6%	43.6%	0.6%	8.3%	0.8%	13.1%	22.4%
76			29		5	1.12	0.00	0.45	0.02	0.39	0.74		100.0%	0.3%	39.9%	1.7%	35.2%	66.5%	0.44	0.00	0.30	0.02	0.17	0.36	39.6%	39.6%	0.2%	27.3%	1.4%	15.2%	32.3%
77			30		5	1.47	0.00	0.21	0.01	0.71	0.66		100.0%	0.1%	14.5%	0.6%	48.1%	45.2%	0.78	0.00	0.12	0.01	0.32	0.41	52.9%	52.9%	0.1%	8.5%	0.5%	22.0%	28.2%
78			31		5	1.43	0.00	0.04	0.01	0.70	0.77		100.0%	0.1%	2.6%	0.4%	48.7%	54.2%	0.81	0.00	0.02	0.00	0.31	0.42	56.6%	56.6%	0.1%	1.2%	0.3%	21.7%	29.4%
79			32		5	1.06	0.01	0.06	0.00	0.50	0.48		100.0%	0.7%	6.0%	0.1%	47.4%	45.7%	0.56	0.01	0.04	0.00	0.22	0.29	52.7%	52.7%	0.5%	3.3%	0.1%	21.0%	27.5%
80			33		5	1.13	0.00	0.35	0.01	0.37	0.59		100.0%	0.4%	31.4%	0.5%	32.4%	52.7%	0.48	0.00	0.25	0.01	0.16	0.34	42.6%	42.6%	0.4%	21.9%	0.4%	14.5%	30.1%
81			38		5	1.38	0.00	0.37	0.03	0.54	0.83		100.0%	0.1%	26.5%	2.5%	39.2%	60.3%	0.63	0.00	0.25	0.03	0.26	0.48	45.7%	45.7%	0.1%	17.9%	2.1%	18.6%	34.9%
82			39		5	1.55	0.00	0.16	0.00	0.75	0.74		100.0%	0.1%	10.2%	0.1%	48.3%	47.6%	0.82	0.00	0.06	0.00	0.34	0.45	53.1%	53.1%	0.1%	3.7%	0.1%	21.7%	29.3%
83			40		5	1.19	0.01	0.03	0.01	0.59	0.62		100.0%	0.5%	2.8%	0.5%	50.0%	52.5%	0.68	0.01	0.02	0.01	0.28	0.35	57.0%	57.0%	0.4%	1.6%	0.4%	23.3%	29.7%
84			41		5	1.03	0.01	0.19	0.01	0.43	0.49		100.0%	0.8%	18.6%	0.5%	42.0%	47.5%	0.52	0.01	0.12	0.00	0.19	0.31	50.4%	50.4%	0.7%	11.5%	0.4%	18.6%	30.1%
85			129		1	0.21	0.00	0.01	0.00	0.09	0.09		100.0%	0.0%	5.2%	0.5%	40.8%	39.9%	0.11	0.00	0.01	0.00	0.03	0.04	50.2%	50.2%	0.0%	3.3%	0.0%	14.1%	18.3%
86			131		1	0.30	0.00	0.01	0.00	0.12	0.13		100.0%	0.3%	4.7%	0.3%	39.8%	42.5%	0.16	0.00	0.01	0.00	0.04	0.05	53.2%	53.2%	0.0%	3.0%	0.3%	11.7%	15.4%
87			133		1	0.39	0.00	0.04	0.00	0.13	0.16		100.0%	0.0%	10.0%	0.3%	34.1%	39.7%	0.18	0.00	0.02	0.00	0.03	0.07	47.2%	47.2%	0.0%	5.9%	0.3%	8.5%	18.2%
88			135		1	0.32	0.00	0.04	0.00	0.13	0.10		100.0%	0.0%	11.0%	0.9%	40.8%	31.3%	0.15	0.00	0.02	0.00	0.04	0.03	46.1%	46.1%	0.0%	5.6%	0.6%	11.9%	10.7%
89			137		1	0.30	0.00	0.02	0.00	0.13	0.12		100.0%	0.3%	7.0%	0.3%	44.5%	38.9%	0.15	0.00	0.01	0.00	0.04	0.05	48.8%	48.8%	0.0%	3.3%	0.3%	14.0%	15.9%
90			142		2	0.72	0.00	0.09	0.00	0.24	0.20		100.0%	0.1%	12.6%	0.4%	32.5%	28.0%	0.28	0.00	0.05	0.00	0.08	0.09	39.3%	39.3%	0.1%	7.5%	0.4%	10.9%	12.0%
91			143		2	0.71	0.00	0.12	0.00	0.31	0.28		100.0%	0.1%	16.6%	0.6%	42.9%	38.8%	0.39	0.00	0.07	0.00	0.11	0.14	54.9%	54.9%	0.1%	9.1%	0.4%	14.9%	19.8%
92			144		2	0.64	0.00	0.02	0.00	0.23	0.37		100.0%	0.2%	3.8%	0.2%	35.8%	57.5%	0.38	0.00	0.02	0.00	0.09	0.17	59.5%	59.5%	0.2%	2.4%	0.2%	13.5%	26.5%
93			145		2	0.55	0.00	0.04	0.00	0.19	0.21		100.0%	0.2%	6.5%	0.4%	33.7%	37.3%	0.24	0.00	0.02	0.00	0.05	0.10	43.1%	43.1%	0.2%	4.3%	0.4%	9.6%	18.8%
94			149		2	0.78	0.00	0.13	0.01	0.23	0.24		100.0%	0.1%	17.1%	0.8%	29.3%	30.7%	0.30	0.00	0.07	0.01	0.07	0.10	38.9%	38.9%	0.1%	9.5%	0.6%	9.0%	13.3%
95	M	Patch	150		2	0.59	0.00	0.06	0.00	0.32	0.28		100.0%	0.2%	10.3%	0.3%	53.9%	47.0%	0.39	0.00	0.03	0.00	0.12	0.14	66.3%	66.3%	0.2%	4.5%	0.3%	19.7%	23.2%
96			151		2	0.71	0.00	0.03	0.00	0.33	0.28		100.0%	0.1%	4.5%	0.6%	46.0%	39.7%	0.38	0.00	0.02	0.00	0.11	0.12	53.1%	53.1%	0.1%	2.8%	0.6%	15.0%	16.5%
97			157		5	1.56	0.00	0.23	0.01	0.70	0.63		100.0%	0.2%	14.8%	0.8%	44.8%	40.4%	0.91	0.00	0.14	0.01	0.27	0.32	58.5%	58.5%	0.1%	8.8%	0.8%	17.2%	20.7%
98			158		5	1.50	0.00	0.34	0.01	0.71	0.78		100.0%	0.1%	22.5%	0.7%	47.2%	52.4%	1.03	0.00	0.14	0.01	0.25	0.37	68.9%	68.9%	0.1%	9.6%	0.5%	16.7%	24.9%
99			159		5	1.04	0.01	0.07	0.00	0.54	0.48		100.0%	0.5%	6.4%	0.3%	52.2%	46.8%	0.58	0.00	0.04	0.00	0.25	0.24	56.2%	56.2%	0.4%	3.7%	0.3%	24.0%	23.6%
100			160		5	1.32	0.00	0.04	0.00	0.59	0.79		100.0%	0.3%	2.6%	0.2%	44.6%	60.0%	0.89	0.00	0.02	0.00	0.25	0.45	66.9%	66.9%	0.2%	1.3%	0.2%	18.5%	33.8%
101			161		5	1.53	0.00	0.25	0.01	0.67	0.62		100.0%	0.1%	16.1%	0.7%	43.5%	40.5%	0.86	0.00	0.15	0.01	0.25	0.31	56.3%	56.3%	0.1%	9.7%	0.7%	16.2%	20.0%
102			166		5	1.40	0.00	0.27	0.01	0.62	0.52		100.0%	0.1%	19.5%	0.9%	44.3%	37.4%	0.72	0.00	0.17	0.01	0.24	0.27	51.4%	51.4%	0.1%	12.0%	0.9%	16.8%	18.9%
103			167		5	1.40	0.00	0.09	0.00	0.62	0.69		100.0%	0.2%	6.4%	0.1%	44.6%	49.6%	0.85	0.00	0.05	0.00	0.23	0.38	60.7%	60.7%	0.1%	3.6%	0.1%	16.8%	27.0%
104			168		5	1.05	0.00	0.06	0.00	0.51	0.54		100.0%	0.4%	5.2%	0.2%	48.8%	50.9%	0.63	0.00	0.03	0.00	0.22	0.28	59.5%	59.5%	0.3%	2.7%	0.2%	20.5%	26.7%
105			169		5	1.50	0.00	0.09	0.01	0.74	0.73		100.0%	0.2%	6.0%	0.5%	49.6%	48.9%	1.00	0.00	0.05	0.01	0.30	0.38	66.9%	66.9%	0.1%	3.5%	0.4%	19.9%	25.4%
106			1	129	2	0.58	0.00	0.04	0.00	0.25	0.21		100.0%	0.2%	6.2%	0.5%	42.4%	36.9%	0.27	0.00	0.03	0.00	0.09	0.09	46.6%	46.6%	0.2%	4.5%	0.3%	14.7%	16.2%
107			3	131	2	0.67	0.00	0.05	0.00	0.26	0.29		100.0%	0.3%	6.7%	0.6%	38.9%	42.5%	0.31	0.00	0.03	0.00	0.08	0.11	46.3%	46.3%	0.3%	4.5%	0.6%	11.9%	15.9%
108			5	133	2	0.76	0.00	0.09	0.00	0.31	0.31		100.0%	0.3%	11.2%	0.4%	41.4%	41.0%	0.34	0.00	0.06	0.00	0.10	0.14	44.9%	44.9%	0.1%	7.4%	0.4%	12.7%	18.5%
109			7	135	2	0.69	0.00	0.08	0.01	0.27	0.29		100.0%	0.3%	12.0%	1.3%	39.6%	41.7%	0.30	0.00	0.05	0.01	0.09	0.12	43.2%	43.2%	0.3%	7.1%	1.0%	13.5%	17.7%
110			9	137	2	0.63	0.00	0.06	0.01	0.27	0.24		100.0%	0.3%	9.6%	1.1%	42.5%	37.7%	0.31	0.00	0.03	0.01	0.09	0.10	50.2%	50.2%	0.3%	5.1%	1.0%	14.2%	15.5%
111			14	142	4	1.50	0.00	0.28	0.01	0.51	0.54		100.0%	0.3%	18.6%	0.8%	34.0%	35.8%	0.49	0.00	0.18	0.01	0.18	0.22	32.9%	32.9%	0.2%	12.1%	0.7%	11.9%	14.5%
112			15	143	4	1.29	0.00	0.17	0.02	0.58	0.54		100.0%	0.2%	13.2%	1.2%	44.7%	41.7%	0.62	0.00	0.10	0.01	0.23	0.28	48.0%	48.0%	0.2%	7.8%	1.1%	17.5%	21.5%
113			16	144	4	1.24	0.01	0.08	0.00	0.50	0.59		100.0%	0.4%	6.7%	0.2%	40.4%	48.0%	0.66	0.00	0.04	0.00	0.18	0.30	53.5%	53.5%	0.3%	3.6%	0.2%	14.6%	24.5%
114			17	145	4	1.33	0.00	0.14	0.01	0.48	0.48		100.0%	0.2%	10.2%	0.7%	35.8%	36.3%	0.53	0.00	0.10	0.01	0.17	0.25	40.1%	40.1%	0.2%	7.4%	0.7%	12.6%	18.5%
115			21	149	4	1.56	0.00	0.28	0.02	0.70	0.72		100.0%	0.2%	18.0%	1.4%	44.5%	45.9%	0.68	0.00	0.17	0.02	0.26	0.33	43.6%	43.6%	0.2%	11.1%	1.2%	16.3%	20.8%
116			22	150	4	1.22	0.00	0.09	0.01	0.58	0.57		100.0%	0.2%	7.2%	0.7%	47.9%	46.6%	0.71	0.00	0.05	0.01	0.23	0.30	57.8%	57.8%	0.1%	4.1%	0.6%	18.5%	24.9%
117			23	151	4	1.52	0.01	0.17	0.02	0.66	0.61		100.0%	0.5%	11.1%	1.0%	43.2%	40.2%	0.76	0.01	0.10	0.01	0.22	0.27	50.0%	50.0%	0.3%	6.8%	0.8%	14.7%	17.5%
118			29	157	10	3.67	0.01	0.98	0.04	1.60	1.50		100.0%	0.3%	26.8%	1.1%	43.6%	40.9%	1.69	0.01	0.67	0.04	0.61	0.75	46.0%	46.0%	0.2%	18.3%	1.0%	16.6%	20.3%
119			30	158	10	3.39	0.01	0.68	0.04	1.85	1.70		100.0%	0.1%	20.0%	1.0%	54.6%	50.2%	2.01	0.01	0.34	0.03	0.78	0.98	59.4%	59.4%	0.1%	9.9%	0.9%	22.9%	28.8%
120			31	159	10	2.64	0.01	0.11	0.01	1.43	1.28		100.0%	0.3%	4.2%	0.3%	54.1%	48.5%	1.55	0.01	0.06	0.01	0.64	0.68	58.8%	58.8%	0.2%	2.1%	0.3%	24.3%	25.9%
121			32	160	10	2.98	0.01	0.16	0.00	1.48	1.37		100.0%	0.5%	5.2%	0.1%	49.6%	46.1%	1.80	0.01	0.09	0.00	0.62	0.82	60.5%	60.5%	0.4%	2.9%	0.1%	20.7%	27.5%
122			33	161	10	3.45	0.01	0.89	0.03	1.44	1.52		100.0%	0.4%	25.7%	0.8%	41.7%	44.1%	1.66	0.01	0.61	0.02	0.57	0.80	48.2%	48.2%	0.3%	17.7%	0.6%	16.5%	23.3%
123			38	166	10	3.09	0.00	0.76	0.08	1.33	1.44		100.0%	0.1%	24.7%	2.6%	42.9%	46.5%	1.19	0.00	0.51	0.07	0.55	0.78	38.4%	38.4%	0.1%	16.6%	2.2%	17.8%	25.2%
124			39	167	10	3.30	0.01	0.34	0.01	1.61	1.56		100.0%	0.2%	10.4%	0.2%	48.8%	47.5%	1.84	0.01	0.14	0.01	0.69	0.99	55.9%	55.9%	0.2%	4.1%	0.2%	20.9%	30.1%
125			40	168	10	2.60	0.01	0.13	0.01	1.52	1.28		100.0%	0.5%	4.9%	0.4%	58.3%	49.1%	1.54	0.01	0.07	0.01	0.68	0.67	59.3%	59.3%	0.4%	2.5%	0.3%	26.3%	25.7%
126			41	169	10	3.22	0.02	0.41	0.01	1.53	1.41		100.0%	0.5%	12.6%	0.4%	47.5%	43.7%	1.90	0.01	0.27	0.01	0.62	0.81	58.9%	58.9%	0.4%	8.3%	0.3%	19.2%	25.1%

- M–patch Mid CH

													max ratio out of all beams												max ratio out of all beams						
						4cm2 PD(mW/cm2)							100.0%	1.3%	33.7%	2.7%	63.2%	65.5%	4cm2 PD(mW/cm2) at 10mm evaluation distance						66.1%	66.1%	1.1%	22.5%	2.2%	29.3%	39.0%
No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
64			1		1	0.24	0.00	0.02	0.00	0.10	0.11		100.0%	0.4%	8.3%	0.4%	40.8%	46.3%	0.10	0.00	0.01	0.00	0.03	0.05	43.3%	43.3%	0.4%	5.8%	0.4%	12.1%	19.2%
65			3		1	0.25	0.00	0.01	0.00	0.11	0.13		100.0%	0.4%	5.7%	0.4%	44.5%	54.3%	0.13	0.00	0.01	0.00	0.04	0.06	51.0%	51.0%	0.4%	3.6%	0.4%	15.4%	25.1%
66			5		1	0.29	0.00	0.03	0.00	0.12	0.17		100.0%	0.3%	9.7%	1.0%	40.7%	57.6%	0.12	0.00	0.02	0.00	0.04	0.09	42.1%	42.1%	0.0%	6.6%	0.7%	12.8%	30.7%
67			7		1	0.28	0.00	0.03	0.00	0.12	0.15		100.0%	0.4%	10.3%	0.7%	43.4%	54.8%	0.13	0.00	0.02	0.00	0.04	0.07	44.5%	44.5%	0.4%	6.4%	0.4%	14.6%	25.6%
68			9		1	0.28	0.00	0.03	0.00	0.10	0.12		100.0%	0.4%	10.9%	0.7%	36.6%	42.8%	0.12	0.00	0.01	0.00	0.03	0.04	41.7%	41.7%	0.4%	5.1%	0.4%	12.3%	14.5%
69			14		2	0.59	0.00	0.11	0.01	0.23	0.30		100.0%	0.5%	17.8%	1.0%	39.2%	50.9%	0.17	0.00	0.07	0.01	0.09	0.12	28.4%	28.4%	0.3%	11.2%	0.8%	14.8%	19.5%
70			15		2	0.56	0.00	0.05	0.01	0.23	0.28		100.0%	0.2%	8.0%	0.9%	41.1%	50.4%	0.25	0.00	0.03	0.00	0.09	0.14	43.9%	43.9%	0.2%	5.4%	0.7%	16.1%	25.5%
71			16		2	0.50	0.00	0.03	0.00	0.22	0.29		100.0%	0.6%	6.8%	0.2%	43.9%	58.4%	0.27	0.00	0.02	0.00	0.09	0.15	55.1%	55.1%	0.4%	3.0%	0.2%	17.7%	30.6%
72			17		2	0.45	0.00	0.06	0.00	0.18	0.24		100.0%	0.7%	13.5%	0.7%	39.9%	53.6%	0.15	0.00	0.04	0.00	0.05	0.11	33.0%	33.0%	0.7%	9.0%	0.4%	11.4%	23.5%
73			21		2	0.66	0.00	0.08	0.01	0.28	0.34		100.0%	0.2%	11.8%	1.1%	43.0%	51.4%	0.25	0.00	0.05	0.01	0.12	0.16	37.7%	37.7%	0.2%	7.4%	0.8%	17.4%	24.2%
74			22		2	0.53	0.00	0.02	0.00	0.26	0.26		100.0%	0.2%	3.2%	0.6%	48.1%	48.1%	0.31	0.00	0.01	0.00	0.10	0.14	58.1%	58.1%	0.2%	1.7%	0.6%	18.7%	26.2%
75			23		2	0.48	0.00	0.06	0.00	0.17	0.27		100.0%	0.6%	11.8%	0.4%	36.1%	55.6%	0.19	0.00	0.03	0.00	0.06	0.13	40.0%	40.0%	0.6%	6.4%	0.4%	12.0%	27.8%
76			29		5	1.17	0.01	0.38	0.02	0.53	0.69		100.0%	0.6%	32.5%	1.4%	45.8%	59.3%	0.42	0.01	0.24	0.01	0.24	0.30	35.6%	35.6%	0.4%	20.9%	1.2%	20.9%	25.7%
77			30		5	1.37	0.00	0.18	0.01	0.68	0.71		100.0%	0.3%	13.2%	1.0%	49.4%	52.0%	0.73	0.00	0.09	0.01	0.29	0.38	53.5%	53.5%	0.2%	6.8%	0.8%	21.4%	27.9%
78			31		5	1.39	0.00	0.04	0.00	0.73	0.73		100.0%	0.2%	3.0%	0.2%	52.9%	52.6%	0.85	0.00	0.02	0.00	0.33	0.43	61.4%	61.4%	0.2%	1.6%	0.1%	24.0%	30.9%
79			32		5	0.96	0.01	0.12	0.00	0.43	0.52		100.0%	0.7%	12.3%	0.1%	45.0%	54.6%	0.52	0.01	0.05	0.00	0.19	0.32	54.7%	54.7%	0.6%	5.7%	0.1%	20.0%	33.8%
80			33		5	0.99	0.01	0.33	0.01	0.37	0.65		100.0%	0.8%	33.4%	0.7%	37.2%	65.5%	0.38	0.01	0.22	0.01	0.15	0.37	38.7%	38.7%	0.6%	22.5%	0.6%	14.8%	37.0%
81			38		5	1.23	0.00	0.31	0.03	0.52	0.75		100.0%	0.2%	24.8%	2.7%	42.5%	61.2%	0.56	0.00	0.20	0.03	0.27	0.42	45.0%	45.0%	0.2%	16.0%	2.2%	22.2%	34.4%
82			39		5	1.46	0.01	0.09	0.00	0.77	0.69		100.0%	0.3%	6.0%	0.2%	52.8%	47.4%	0.87	0.00	0.03	0.00	0.35	0.39	59.5%	59.5%	0.3%	2.0%	0.2%	23.7%	26.7%
83			40		5	1.02	0.00	0.05	0.00	0.47	0.62		100.0%	0.2%	4.6%	0.4%	46.6%	60.8%	0.60	0.00	0.03	0.00	0.20	0.40	58.9%	58.9%	0.2%	2.5%	0.3%	20.1%	39.0%
84			41		5	1.01	0.01	0.16	0.01	0.42	0.64		100.0%	1.3%	15.8%	0.5%	41.1%	63.4%	0.49	0.01	0.11	0.00	0.18	0.39	48.2%	48.2%	1.1%	10.8%	0.4%	17.5%	38.8%
85			129		1	0.21	0.00	0.01	0.00	0.07	0.10		100.0%	0.0%	3.3%	0.5%	34.4%	48.1%	0.10	0.00	0.01	0.00	0.03	0.05	49.1%	49.1%	0.0%	2.4%	0.5%	11.8%	22.2%
86			131		1	0.32	0.00	0.02	0.00	0.14	0.11		100.0%	0.3%	5.4%	0.3%	44.6%	35.4%	0.16	0.00	0.01	0.00	0.05	0.05	50.3%	50.3%	0.0%	3.8%	0.3%	15.8%	16.8%
87			133		1	0.37	0.00	0.04	0.00	0.16	0.14		100.0%	0.0%	11.0%	0.3%	42.8%	38.0%	0.18	0.00	0.03	0.00	0.06	0.07	47.9%	47.9%	0.0%	6.7%	0.3%	15.2%	19.0%
88			135		1	0.35	0.00	0.04	0.00	0.15	0.13		100.0%	0.3%	11.9%	0.6%	42.1%	37.3%	0.17	0.00	0.02	0.00	0.05	0.05	46.9%	46.9%	0.0%	6.5%	0.3%	14.1%	14.4%
89			137		1	0.32	0.00	0.02	0.00	0.14	0.12		100.0%	0.3%	5.0%	0.6%	44.9%	36.8%	0.17	0.00	0.01	0.00	0.05	0.05	52.3%	52.3%	0.3%	2.8%	0.3%	15.6%	14.6%
90			142		2	0.61	0.00	0.10	0.00	0.22	0.16		100.0%	0.2%	17.0%	0.7%	35.6%	25.9%	0.21	0.00	0.07	0.00	0.06	0.05	34.7%	34.7%	0.2%	11.1%	0.5%	9.8%	7.7%
91			143		2	0.72	0.00	0.11	0.00	0.32	0.28		100.0%	0.1%	14.5%	0.6%	44.2%	39.2%	0.39	0.00	0.06	0.00	0.13	0.14	53.5%	53.5%	0.1%	8.4%	0.4%	17.5%	18.9%
92			144		2	0.74	0.00	0.03	0.00	0.33	0.37		100.0%	0.1%	3.9%	0.1%	44.3%	50.8%	0.44	0.00	0.02	0.00	0.13	0.21	60.3%	60.3%	0.1%	2.4%	0.0%	17.8%	27.9%
93			145		2	0.53	0.00	0.03	0.00	0.19	0.17		100.0%	0.2%	6.1%	0.6%	36.9%	32.9%	0.22	0.00	0.02	0.00	0.05	0.08	41.1%	41.1%	0.2%	4.0%	0.4%	10.1%	16.0%
94			149		2	0.79	0.00	0.15	0.00	0.28	0.25		100.0%	0.1%	19.0%	0.4%	35.2%	31.2%	0.34	0.00	0.09	0.00	0.09	0.10	42.7%	42.7%	0.1%	10.9%	0.4%	11.7%	12.8%
95	M	Patch	150		2	0.64	0.00	0.04	0.00	0.35	0.31		100.0%	0.2%	6.1%	0.5%	54.6%	49.2%	0.41	0.00	0.02	0.00	0.15	0.15	64.2%	64.2%	0.2%	3.1%	0.3%	23.6%	23.9%
96			151		2	0.73	0.00	0.07	0.01	0.34	0.24		100.0%	0.3%	10.1%	0.7%	46.0%	33.2%	0.37	0.00	0.04	0.00	0.13	0.11	51.0%	51.0%	0.1%	5.7%	0.5%	17.2%	15.3%
97			157		5	1.17	0.00	0.39	0.00	0.45	0.37		100.0%	0.3%	33.5%	0.3%	37.9%	31.5%	0.53	0.00	0.25	0.00	0.16	0.18	44.9%	44.9%	0.3%	21.7%	0.3%	13.9%	15.6%
98			158		5	1.21	0.00	0.23	0.01	0.63	0.59		100.0%	0.2%	19.1%	0.6%	52.5%	49.0%	0.76	0.00	0.10	0.01	0.29	0.31	63.3%	63.3%	0.2%	8.0%	0.6%	23.9%	25.5%
99			159		5	1.34	0.00	0.03	0.01	0.70	0.63		100.0%	0.2%	2.4%	0.4%	51.9%	46.8%	0.80	0.00	0.02	0.01	0.31	0.34	59.8%	59.8%	0.2%	1.2%	0.4%	23.4%	25.0%
100			160		5	1.75	0.00	0.03	0.00	0.91	0.89		100.0%	0.2%	1.7%	0.1%	52.4%	51.1%	1.13	0.00	0.01	0.00	0.42	0.52	64.7%	64.7%	0.2%	0.8%	0.1%	24.1%	30.0%
101			161		5	1.23	0.00	0.39	0.01	0.46	0.37		100.0%	0.3%	31.5%	0.4%	37.4%	30.4%	0.52	0.00	0.25	0.00	0.16	0.17	42.5%	42.5%	0.3%	20.0%	0.3%	12.8%	14.0%
102			166		5	1.20	0.00	0.40	0.01	0.50	0.40		100.0%	0.3%	33.7%	0.6%	41.3%	33.1%	0.57	0.00	0.26	0.01	0.16	0.19	47.6%	47.6%	0.2%	21.5%	0.5%	13.6%	15.7%
103			167		5	1.53	0.00	0.07	0.00	0.73	0.82		100.0%	0.2%	4.7%	0.1%	47.8%	53.5%	0.99	0.00	0.02	0.00	0.31	0.45	64.5%	64.5%	0.1%	1.6%	0.1%	20.4%	29.7%
104			168		5	1.35	0.00	0.02	0.00	0.69	0.69		100.0%	0.2%	1.3%	0.3%	51.0%	50.9%	0.83	0.00	0.01	0.00	0.31	0.38	61.4%	61.4%	0.1%	0.6%	0.3%	23.2%	28.4%
105			169		5	1.42	0.00	0.14	0.01	0.75	0.67		100.0%	0.2%	10.1%	0.4%	52.6%	47.4%	0.94	0.00	0.09	0.00	0.32	0.35	66.1%	66.1%	0.1%	6.0%	0.3%	22.6%	24.4%
106			1	129	2	0.51	0.00	0.04	0.00	0.23	0.21		100.0%	0.2%	7.8%	0.6%	45.2%	41.5%	0.27	0.00	0.03	0.00	0.08	0.09	51.9%	51.9%	0.2%	5.7%	0.6%	15.8%	16.6%
107			3	131	2	0.61	0.00	0.04	0.00	0.31	0.27		100.0%	0.5%	5.9%	0.7%	50.4%	43.9%	0.31	0.00	0.02	0.00	0.12	0.11	51.2%	51.2%	0.3%	3.9%	0.5%	18.9%	17.1%
108			5	133	2	0.71	0.00	0.08	0.01	0.36	0.33		100.0%	0.1%	11.1%	0.8%	50.1%	46.1%	0.31	0.00	0.05	0.01	0.11	0.15	44.1%	44.1%	0.1%	6.6%	0.7%	15.9%	21.6%
109			7	135	2	0.68	0.00	0.09	0.01	0.37	0.32		100.0%	0.3%	12.6%	0.7%	53.4%	47.3%	0.33	0.00	0.05	0.00	0.12	0.14	47.6%	47.6%	0.3%	7.0%	0.6%	17.4%	20.1%
110			9	137	2	0.65	0.00	0.06	0.01	0.28	0.24		100.0%	0.3%	9.4%	0.9%	43.2%	37.2%	0.30	0.00	0.03	0.01	0.11	0.09	45.5%	45.5%	0.3%	4.5%	0.8%	16.6%	14.5%
111			14	142	4	1.29	0.01	0.23	0.01	0.64	0.51		100.0%	0.4%	18.0%	1.1%	49.7%	39.2%	0.45	0.00	0.14	0.01	0.23	0.20	34.5%	34.5%	0.3%	11.1%	1.0%	17.7%	15.5%
112			15	143	4	1.23	0.00	0.13	0.02	0.54	0.56		100.0%	0.2%	10.9%	1.3%	44.0%	45.8%	0.60	0.00	0.08	0.01	0.23	0.24	48.7%	48.7%	0.2%	6.7%	1.1%	18.8%	19.6%
113			16	144	4	1.29	0.01	0.08	0.00	0.58	0.59		100.0%	0.5%	6.1%	0.2%	45.0%	45.9%	0.67	0.01	0.04	0.00	0.23	0.34	51.8%	51.8%	0.4%	2.9%	0.2%	17.8%	26.6%
114			17	145	4	1.07	0.00	0.13	0.01	0.47	0.44		100.0%	0.4%	12.0%	0.7%	43.6%	40.7%	0.46	0.00	0.09	0.01	0.17	0.18	42.9%	42.9%	0.4%	8.2%	0.7%	15.5%	16.4%
115			21	149	4	1.57	0.00	0.28	0.02	0.90	0.64		100.0%	0.3%	18.0%	1.2%	57.5%	40.9%	0.72	0.00	0.16	0.02	0.34	0.30	45.8%	45.8%	0.2%	10.1%	1.0%	21.5%	19.1%
116			22	150	4	1.16	0.00	0.06	0.01	0.61	0.57		100.0%	0.3%	5.0%	0.9%	52.3%	48.8%	0.70	0.00	0.03	0.01	0.25	0.27	60.6%	60.6%	0.2%	2.9%	0.8%	21.6%	23.6%
117			23	151	4	1.44	0.01	0.19	0.01	0.63	0.54		100.0%	0.4%	13.1%	0.8%	43.7%	37.6%	0.70	0.01	0.11	0.01	0.24	0.25	48.8%	48.8%	0.3%	7.8%	0.6%	16.6%	17.6%
118			29	157	10	3.07	0.02	0.98	0.03	1.58	1.37		100.0%	0.6%	31.8%	0.9%	51.6%	44.5%	1.16	0.01	0.62	0.02	0.66	0.64	37.9%	37.9%	0.5%	20.1%	0.7%	21.4%	20.8%
119			30	158	10	2.94	0.01	0.48	0.04	1.86	1.42		100.0%	0.2%	16.5%	1.3%	63.2%	48.4%	1.72	0.01	0.23	0.03	0.86	0.80	58.5%	58.5%	0.2%	7.9%	1.1%	29.3%	27.3%
120			31	159	10	2.88	0.01	0.09	0.01	1.67	1.40		100.0%	0.2%	3.3%	0.2%	58.0%	48.6%	1.73	0.00	0.05	0.01	0.77	0.73	60.1%	60.1%	0.1%	1.9%	0.2%	26.7%	25.4%
121			32	160	10	3.21	0.02	0.22	0.00	1.60	1.47		100.0%	0.5%	6.8%	0.1%	49.8%	45.8%	1.96	0.01	0.09	0.00	0.73	0.84	60.9%	60.9%	0.4%	2.8%	0.1%	22.8%	26.2%
122			33	161	10	2.66	0.02	0.85	0.02	1.29	1.13		100.0%	0.9%	32.1%	0.6%	48.5%	42.5%	1.24	0.02	0.56	0.01	0.50	0.63	46.6%	46.6%	0.7%	21.1%	0.5%	18.9%	23.6%
123			38	166	10	2.94	0.01	0.69	0.06	1.51	1.23		100.0%	0.2%	23.4%	2.1%	51.3%	41.9%	1.29	0.01	0.43	0.05	0.66	0.64	44.0%	44.0%	0.2%	14.6%	1.7%	22.3%	21.9%
124			39	167	10	3.20	0.01	0.21	0.01	1.73	1.73		100.0%	0.2%	6.6%	0.2%	53.9%	54.1%	2.03	0.01	0.07	0.01	0.79	0.96	63.3%	63.3%	0.2%	2.1%	0.2%	24.6%	30.1%
125			40	168	10	2.52	0.01	0.08	0.02	1.31	1.32		100.0%	0.4%	3.0%	0.6%	51.8%	52.4%	1.56	0.01	0.04	0.01	0.58	0.74	61.8%	61.8%	0.3%	1.5%	0.5%	23.1%	29.3%
126			41	169	10	3.16	0.03	0.46	0.01	1.63	1.42		100.0%	0.8%	14.4%	0.3%	51.5%	44.8%	1.86	0.02	0.31	0.01	0.72	0.73	58.8%	58.8%	0.7%	9.8%	0.3%	22.8%	23.0%

- M–patch High CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
												max ratio out of all beams	100.0%	1.5%	40.6%	1.8%	62.7%	71.7%
64			1		1	0.20	0.00	0.02	0.00	0.08	0.11		100.0%	0.5%	7.4%	0.5%	38.6%	52.5%
65			3		1	0.20	0.00	0.02	0.00	0.09	0.14		100.0%	0.5%	9.0%	0.5%	42.3%	67.2%
66			5		1	0.29	0.00	0.03	0.00	0.11	0.16		100.0%	0.3%	8.7%	0.3%	39.6%	54.2%
67			7		1	0.22	0.00	0.03	0.00	0.09	0.16		100.0%	0.5%	13.7%	0.5%	41.6%	71.7%
68			9		1	0.25	0.00	0.03	0.00	0.10	0.11		100.0%	0.4%	11.6%	0.4%	39.0%	45.0%
69			14		2	0.50	0.00	0.09	0.00	0.20	0.32		100.0%	0.4%	18.1%	0.8%	39.2%	63.1%
70			15		2	0.43	0.00	0.03	0.00	0.17	0.28		100.0%	0.2%	6.5%	0.7%	39.8%	63.9%
71			16		2	0.41	0.00	0.04	0.00	0.18	0.28		100.0%	0.5%	8.9%	0.2%	43.7%	67.4%
72			17		2	0.36	0.00	0.05	0.00	0.13	0.23		100.0%	0.5%	14.3%	0.5%	36.8%	62.9%
73			21		2	0.56	0.00	0.07	0.00	0.23	0.36		100.0%	0.4%	11.9%	0.7%	40.5%	64.7%
74			22		2	0.43	0.00	0.01	0.00	0.20	0.25		100.0%	0.2%	2.6%	0.5%	46.5%	59.1%
75			23		2	0.43	0.00	0.07	0.00	0.17	0.23		100.0%	0.5%	16.3%	0.7%	40.1%	53.6%
76			29		5	1.07	0.01	0.33	0.01	0.40	0.72		100.0%	0.5%	30.3%	1.1%	36.9%	66.8%
77			30		5	1.08	0.01	0.16	0.01	0.51	0.67		100.0%	0.5%	14.4%	0.8%	47.0%	61.5%
78			31		5	1.13	0.00	0.04	0.00	0.56	0.77		100.0%	0.3%	3.3%	0.2%	49.2%	68.0%
79			32		5	0.90	0.01	0.06	0.00	0.41	0.49		100.0%	0.6%	6.6%	0.3%	45.3%	54.7%
80			33		5	0.88	0.01	0.36	0.01	0.30	0.59		100.0%	1.4%	40.6%	0.7%	33.9%	66.9%
81			38		5	1.06	0.00	0.23	0.02	0.47	0.63		100.0%	0.3%	21.6%	1.8%	43.8%	59.1%
82			39		5	1.13	0.01	0.08	0.00	0.53	0.74		100.0%	0.5%	7.3%	0.2%	47.1%	65.2%
83			40		5	0.93	0.00	0.06	0.00	0.46	0.55		100.0%	0.3%	5.9%	0.4%	49.1%	59.5%
84			41		5	0.79	0.01	0.27	0.00	0.33	0.48		100.0%	1.5%	34.1%	0.5%	41.7%	60.9%
85			129		1	0.24	0.00	0.01	0.00	0.10	0.10		100.0%	0.0%	2.1%	0.4%	43.7%	41.2%
86			131		1	0.28	0.00	0.02	0.00	0.12	0.08		100.0%	0.4%	7.1%	0.4%	42.9%	29.4%
87			133		1	0.34	0.00	0.03	0.00	0.16	0.11		100.0%	0.3%	7.9%	0.6%	45.6%	33.0%
88			135		1	0.33	0.00	0.04	0.00	0.15	0.10		100.0%	0.3%	12.9%	0.3%	43.8%	28.5%
89			137		1	0.30	0.00	0.02	0.00	0.15	0.08		100.0%	0.3%	7.4%	0.7%	51.5%	27.6%
90			142		2	0.58	0.00	0.09	0.00	0.20	0.17		100.0%	0.3%	15.2%	0.5%	34.7%	29.8%
91			143		2	0.66	0.00	0.09	0.00	0.32	0.19		100.0%	0.2%	13.6%	0.6%	48.9%	29.0%
92			144		2	0.64	0.00	0.04	0.00	0.35	0.27		100.0%	0.3%	6.5%	0.2%	54.3%	41.9%
93			145		2	0.55	0.00	0.04	0.00	0.21	0.15		100.0%	0.2%	6.4%	0.4%	38.3%	26.3%
94			149		2	0.70	0.00	0.12	0.00	0.27	0.17		100.0%	0.1%	17.8%	0.6%	38.1%	24.1%
95	M	Patch	150		2	0.59	0.00	0.04	0.00	0.36	0.22		100.0%	0.3%	6.9%	0.5%	61.3%	37.9%
96			151		2	0.69	0.00	0.10	0.00	0.34	0.18		100.0%	0.1%	14.1%	0.4%	49.2%	25.8%
97			157		5	1.18	0.00	0.40	0.00	0.58	0.40		100.0%	0.3%	34.0%	0.3%	49.5%	33.5%
98			158		5	1.02	0.00	0.18	0.01	0.58	0.39		100.0%	0.3%	17.6%	1.2%	57.2%	37.9%
99			159		5	1.06	0.01	0.05	0.01	0.64	0.48		100.0%	0.8%	4.4%	0.8%	60.0%	45.1%
100			160		5	1.65	0.00	0.03	0.00	0.98	0.73		100.0%	0.2%	1.9%	0.1%	59.6%	44.6%
101			161		5	1.26	0.00	0.41	0.00	0.58	0.38		100.0%	0.3%	32.4%	0.3%	46.4%	30.1%
102			166		5	1.25	0.00	0.39	0.01	0.58	0.35		100.0%	0.2%	31.3%	0.4%	46.3%	27.9%
103			167		5	1.31	0.01	0.06	0.00	0.77	0.61		100.0%	0.4%	4.6%	0.2%	58.9%	46.3%
104			168		5	1.19	0.01	0.04	0.01	0.68	0.56		100.0%	0.6%	3.7%	0.6%	57.3%	46.5%
105			169		5	1.03	0.00	0.16	0.00	0.63	0.47		100.0%	0.3%	15.3%	0.3%	60.7%	45.6%
106			1	129	2	0.56	0.00	0.03	0.00	0.26	0.21		100.0%	0.2%	5.2%	0.4%	46.8%	37.7%
107			3	131	2	0.52	0.00	0.04	0.00	0.29	0.24		100.0%	0.4%	7.9%	0.6%	55.2%	45.8%
108			5	133	2	0.67	0.00	0.07	0.01	0.34	0.30		100.0%	0.3%	9.7%	0.9%	50.3%	44.9%
109			7	135	2	0.61	0.00	0.08	0.00	0.32	0.29		100.0%	0.3%	13.2%	0.5%	53.5%	48.2%
110			9	137	2	0.59	0.00	0.05	0.01	0.28	0.21		100.0%	0.5%	8.9%	1.0%	47.5%	34.8%
111			14	142	4	1.08	0.01	0.19	0.01	0.55	0.54		100.0%	0.6%	18.0%	1.2%	50.6%	49.7%
112			15	143	4	1.08	0.00	0.13	0.01	0.48	0.50		100.0%	0.3%	11.8%	1.0%	44.9%	46.0%
113			16	144	4	1.04	0.00	0.08	0.00	0.54	0.49		100.0%	0.4%	7.9%	0.3%	52.4%	47.2%
114			17	145	4	1.02	0.00	0.10	0.01	0.46	0.43		100.0%	0.4%	10.0%	0.8%	45.0%	41.6%
115			21	149	4	1.36	0.00	0.23	0.02	0.73	0.62		100.0%	0.3%	16.9%	1.1%	53.6%	45.3%
116			22	150	4	0.98	0.00	0.06	0.01	0.56	0.49		100.0%	0.3%	6.5%	0.8%	56.9%	49.8%
117			23	151	4	1.30	0.01	0.16	0.01	0.65	0.46		100.0%	0.5%	12.4%	0.6%	50.0%	35.5%
118			29	157	10	2.59	0.02	0.74	0.02	1.50	1.12		100.0%	0.6%	28.6%	0.7%	57.9%	43.3%
119			30	158	10	2.44	0.01	0.43	0.04	1.53	1.20		100.0%	0.4%	17.8%	1.7%	62.7%	49.3%
120			31	159	10	2.41	0.01	0.10	0.01	1.42	1.28		100.0%	0.5%	4.1%	0.5%	58.7%	52.9%
121			32	160	10	3.03	0.01	0.11	0.01	1.75	1.33		100.0%	0.5%	3.7%	0.2%	58.0%	44.1%
122			33	161	10	2.51	0.03	0.76	0.01	1.26	1.04		100.0%	1.1%	30.2%	0.6%	50.3%	41.6%
123			38	166	10	2.63	0.01	0.66	0.03	1.49	1.20		100.0%	0.3%	25.0%	1.2%	56.4%	45.6%
124			39	167	10	2.66	0.01	0.23	0.01	1.60	1.48		100.0%	0.4%	8.6%	0.2%	60.1%	55.7%
125			40	168	10	2.36	0.01	0.14	0.01	1.44	1.23		100.0%	0.4%	5.8%	0.6%	60.9%	52.1%
126			41	169	10	2.29	0.02	0.52	0.01	1.29	1.09		100.0%	1.0%	22.6%	0.4%	56.4%	47.6%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
							71.1%	71.1%	1.1%	26.1%	1.7%	29.4%	41.6%
64	0.10	0.00	0.01	0.00	0.03	0.04	50.5%	50.5%	0.0%	5.0%	0.5%	13.4%	19.8%
65	0.11	0.00	0.01	0.00	0.03	0.07	53.2%	53.2%	0.0%	5.5%	0.5%	15.9%	34.8%
66	0.14	0.00	0.02	0.00	0.04	0.06	48.3%	48.3%	0.3%	5.9%	0.3%	12.2%	21.5%
67	0.10	0.00	0.02	0.00	0.03	0.07	46.6%	46.6%	0.5%	8.2%	0.5%	12.8%	32.4%
68	0.13	0.00	0.02	0.00	0.03	0.04	50.2%	50.2%	0.4%	6.0%	0.4%	12.4%	15.1%
69	0.13	0.00	0.06	0.00	0.07	0.12	26.5%	26.5%	0.4%	11.8%	0.8%	14.1%	23.3%
70	0.21	0.00	0.02	0.00	0.07	0.14	49.5%	49.5%	0.2%	4.6%	0.7%	15.7%	33.3%
71	0.26	0.00	0.02	0.00	0.08	0.15	61.8%	61.8%	0.5%	5.6%	0.2%	18.1%	35.0%
72	0.14	0.00	0.03	0.00	0.04	0.10	37.6%	37.6%	0.3%	9.1%	0.5%	11.0%	26.6%
73	0.23	0.00	0.04	0.00	0.09	0.16	41.1%	41.1%	0.4%	7.4%	0.7%	15.5%	29.2%
74	0.26	0.00	0.01	0.00	0.08	0.15	61.7%	61.7%	0.2%	1.9%	0.5%	19.2%	34.6%
75	0.20	0.00	0.04	0.00	0.06	0.09	45.7%	45.7%	0.5%	9.3%	0.7%	13.3%	21.9%
76	0.37	0.00	0.20	0.01	0.17	0.33	34.4%	34.4%	0.4%	19.0%	1.0%	16.1%	30.8%
77	0.69	0.01	0.08	0.01	0.21	0.35	63.3%	63.3%	0.5%	6.9%	0.7%	19.1%	32.2%
78	0.80	0.00	0.02	0.00	0.24	0.47	71.1%	71.1%	0.3%	1.7%	0.2%	21.6%	41.6%
79	0.53	0.00	0.03	0.00	0.19	0.28	59.2%	59.2%	0.4%	3.2%	0.2%	20.9%	31.3%
80	0.33	0.01	0.23	0.00	0.11	0.29	37.3%	37.3%	1.0%	26.1%	0.5%	12.0%	32.4%
81	0.49	0.00	0.15	0.02	0.21	0.32	45.9%	45.9%	0.3%	14.1%	1.7%	19.8%	29.7%
82	0.76	0.01	0.03	0.00	0.22	0.43	67.7%	67.7%	0.4%	2.5%	0.2%	19.8%	38.4%
83	0.58	0.00	0.03	0.00	0.21	0.31	62.9%	62.9%	0.2%	3.0%	0.3%	22.7%	32.9%
84	0.43	0.01	0.18	0.00	0.13	0.27	54.4%	54.4%	1.1%	22.6%	0.4%	16.8%	34.7%
85	0.13	0.00	0.00	0.00	0.03	0.04	54.2%	54.2%	0.0%	1.7%	0.4%	14.3%	16.8%
86	0.12	0.00	0.02	0.00	0.04	0.03	44.0%	44.0%	0.4%	5.3%	0.4%	14.5%	10.6%
87	0.15	0.00	0.02	0.00	0.06	0.05	44.4%	44.4%	0.3%	5.0%	0.6%	16.7%	14.0%
88	0.15	0.00	0.02	0.00	0.04	0.04	45.9%	45.9%	0.0%	6.9%	0.3%	12.9%	10.8%
89	0.15	0.00	0.01	0.00	0.05	0.04	49.5%	49.5%	0.3%	4.0%	0.3%	17.8%	14.1%
90	0.19	0.00	0.06	0.00	0.05	0.06	32.6%	32.6%	0.2%	10.3%	0.5%	9.1%	10.0%
91	0.34	0.00	0.05	0.00	0.12	0.08	51.3%	51.3%	0.2%	7.5%	0.5%	18.0%	12.4%
92	0.38	0.00	0.03	0.00	0.14	0.13	60.3%	60.3%	0.3%	4.3%	0.2%	22.0%	20.6%
93	0.21	0.00	0.03	0.00	0.07	0.06	37.6%	37.6%	0.0%	4.5%	0.4%	12.2%	10.7%
94	0.26	0.00	0.07	0.00	0.08	0.07	37.5%	37.5%	0.1%	10.1%	0.4%	11.6%	9.3%
95	0.39	0.00	0.02	0.00	0.15	0.11	65.1%	65.1%	0.3%	2.7%	0.3%	24.5%	18.1%
96	0.32	0.00	0.05	0.00	0.13	0.08	47.2%	47.2%	0.1%	7.4%	0.3%	19.2%	11.1%
97	0.55	0.00	0.25	0.00	0.22	0.18	46.6%	46.6%	0.3%	21.4%	0.3%	18.3%	15.3%
98	0.65	0.00	0.06	0.01	0.24	0.21	64.0%	64.0%	0.2%	6.1%	1.0%	23.2%	20.5%
99	0.71	0.01	0.02	0.01	0.27	0.23	66.8%	66.8%	0.6%	2.0%	0.7%	25.7%	21.6%
100	1.10	0.00	0.01	0.00	0.46	0.44	67.0%	67.0%	0.2%	0.8%	0.1%	27.6%	26.5%
101	0.56	0.00	0.26	0.00	0.22	0.17	44.2%	44.2%	0.2%	20.3%	0.2%	17.6%	13.4%
102	0.55	0.00	0.25	0.00	0.22	0.16	43.6%	43.6%	0.2%	19.6%	0.3%	17.2%	12.5%
103	0.87	0.00	0.02	0.00	0.36	0.34	66.1%	66.1%	0.3%	1.7%	0.1%	27.5%	25.7%
104	0.78	0.01	0.02	0.01	0.30	0.30	65.7%	65.7%	0.5%	1.7%	0.4%	25.4%	25.0%
105	0.67	0.00	0.10	0.00	0.27	0.22	65.3%	65.3%	0.2%	9.3%	0.3%	26.3%	20.9%
106	0.32	0.00	0.02	0.00	0.09	0.09	56.8%	56.8%	0.2%	3.4%	0.4%	16.7%	15.1%
107	0.27	0.00	0.03	0.00	0.11	0.10	52.3%	52.3%	0.2%	5.6%	0.6%	21.6%	19.2%
108	0.32	0.00	0.04	0.01	0.11	0.12	47.2%	47.2%	0.1%	6.1%	0.7%	17.0%	18.2%
109	0.27	0.00	0.04	0.00	0.10	0.12	44.6%	44.6%	0.2%	6.9%	0.5%	16.8%	19.0%
110	0.29	0.00	0.03	0.01	0.09	0.09	48.7%	48.7%	0.3%	4.9%	0.8%	15.0%	15.5%
111	0.38	0.01	0.13	0.01	0.19	0.23	35.4%	35.4%	0.5%	11.7%	0.9%	17.4%	21.7%
112	0.55	0.00	0.07	0.01	0.20	0.25	50.7%	50.7%	0.3%	6.8%	0.8%	18.1%	22.8%
113	0.62	0.00	0.05	0.00	0.23	0.24	59.3%	59.3%	0.4%	4.4%	0.2%	22.1%	22.6%
114	0.45	0.00	0.07	0.01	0.17	0.18	44.0%	44.0%	0.3%	6.5%	0.7%	16.6%	17.8%
115	0.55	0.00	0.13	0.01	0.26	0.32	40.1%	40.1%	0.2%	9.8%	0.9%	19.1%	23.5%
116	0.61	0.00	0.03	0.01	0.23	0.25	62.3%	62.3%	0.3%	3.3%	0.6%	23.5%	25.3%
117	0.60	0.01	0.09	0.01	0.23	0.19	46.4%	46.4%	0.5%	6.9%	0.5%	17.6%	14.6%
118	1.19	0.01	0.47	0.02	0.64	0.62	46.1%	46.1%	0.5%	18.3%	0.6%	24.7%	24.0%
119	1.61	0.01	0.19	0.03	0.64	0.67	66.0%	66.0%	0.3%	7.7%	1.4%	26.1%	27.5%
120	1.66	0.01	0.05	0.01	0.63	0.64	68.7%	68.7%	0.4%	1.9%	0.4%	26.2%	26.4%
121	1.83	0.01	0.06	0.01	0.86	0.75	60.5%	60.5%	0.4%	2.1%	0.2%	28.4%	24.8%
122	1.15	0.02	0.48	0.01	0.51	0.57	45.9%	45.9%	0.9%	19.2%	0.4%	20.4%	22.7%
123	1.20	0.01	0.41	0.03	0.64	0.56	45.4%	45.4%	0.2%	15.5%	1.1%	24.2%	21.3%
124	1.76	0.01	0.09	0.01	0.73	0.78	66.1%	66.1%	0.3%	3.2%	0.2%	27.5%	29.5%
125	1.45	0.01	0.06	0.01	0.69	0.63	61.4%	61.4%	0.3%	2.7%	0.5%	29.4%	26.5%
126	1.46	0.02	0.35	0.01	0.57	0.69	63.7%	63.7%	0.9%	15.1%	0.3%	25.0%	30.3%

[Folder Closed Status]

- M–patch Low CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)
												max ratio out of all beams	100.0%	0.7%	44.1%	1.3%	37.9%	65.3%
64			1		1	0.27	0.00	0.02	0.00	0.03	0.16		100.0%	0.4%	6.6%	0.4%	9.2%	56.8%
65			3		1	0.36	0.00	0.02	0.00	0.04	0.19		100.0%	0.3%	5.8%	0.5%	9.6%	51.6%
66			5		1	0.41	0.00	0.05	0.00	0.04	0.22		100.0%	0.2%	12.1%	0.2%	10.1%	53.1%
67			7		1	0.40	0.00	0.06	0.00	0.04	0.19		100.0%	0.2%	15.5%	0.2%	9.5%	48.1%
68			9		1	0.36	0.00	0.07	0.00	0.04	0.18		100.0%	0.3%	19.1%	0.3%	10.5%	49.4%
69			14		2	0.82	0.00	0.21	0.00	0.05	0.35		100.0%	0.2%	25.1%	0.4%	6.5%	42.5%
70			15		2	0.67	0.00	0.06	0.01	0.08	0.38		100.0%	0.1%	8.8%	0.7%	12.2%	57.1%
71			16		2	0.74	0.00	0.06	0.00	0.11	0.46		100.0%	0.4%	7.6%	0.1%	14.5%	61.8%
72			17		2	0.62	0.00	0.06	0.00	0.04	0.28		100.0%	0.3%	10.2%	0.6%	6.5%	45.1%
73			21		2	0.83	0.00	0.19	0.00	0.10	0.45		100.0%	0.1%	22.2%	0.4%	11.9%	53.5%
74			22		2	0.63	0.00	0.03	0.00	0.09	0.41		100.0%	0.2%	4.1%	0.5%	14.9%	65.3%
75			23		2	0.74	0.00	0.16	0.00	0.07	0.37		100.0%	0.4%	22.2%	0.1%	9.9%	49.5%
76			29		5	1.63	0.00	0.72	0.01	0.13	0.97		100.0%	0.2%	44.1%	0.7%	7.8%	59.4%
77			30		5	1.60	0.00	0.39	0.01	0.28	0.98		100.0%	0.2%	24.3%	0.7%	17.3%	60.9%
78			31		5	1.87	0.01	0.05	0.00	0.37	1.18		100.0%	0.3%	2.9%	0.2%	19.5%	62.9%
79			32		5	1.71	0.00	0.10	0.00	0.29	1.04		100.0%	0.2%	5.9%	0.1%	17.1%	60.9%
80			33		5	1.25	0.01	0.54	0.01	0.12	0.77		100.0%	0.4%	42.7%	0.4%	9.7%	61.8%
81			38		5	1.70	0.01	0.64	0.02	0.24	1.06		100.0%	0.4%	37.9%	1.2%	13.8%	62.6%
82			39		5	1.79	0.01	0.15	0.00	0.36	1.08		100.0%	0.3%	8.4%	0.2%	19.9%	60.7%
83			40		5	1.48	0.01	0.17	0.00	0.26	0.96		100.0%	0.6%	11.5%	0.1%	17.6%	65.1%
84			41		5	1.53	0.01	0.28	0.00	0.19	0.95		100.0%	0.4%	18.0%	0.2%	12.4%	62.2%
85			129		1	0.24	0.00	0.01	0.00	0.03	0.05		100.0%	0.4%	5.5%	0.4%	13.6%	22.6%
86			131		1	0.34	0.00	0.02	0.00	0.07	0.08		100.0%	0.3%	7.1%	0.3%	20.3%	23.2%
87			133		1	0.42	0.00	0.04	0.00	0.08	0.09		100.0%	0.2%	10.1%	0.2%	19.8%	21.0%
88			135		1	0.37	0.00	0.03	0.00	0.09	0.07		100.0%	0.3%	9.2%	0.5%	24.0%	17.8%
89			137		1	0.42	0.00	0.06	0.00	0.08	0.09		100.0%	0.2%	14.7%	0.2%	20.2%	22.1%
90			142		2	0.75	0.00	0.12	0.00	0.13	0.13		100.0%	0.3%	15.5%	0.4%	16.6%	17.1%
91			143		2	0.76	0.00	0.12	0.00	0.23	0.17		100.0%	0.3%	15.3%	0.4%	29.9%	22.5%
92			144		2	0.72	0.00	0.03	0.00	0.23	0.19		100.0%	0.3%	4.6%	0.1%	32.7%	26.7%
93			145		2	0.59	0.00	0.06	0.00	0.09	0.12		100.0%	0.3%	10.8%	0.7%	14.7%	19.5%
94			149		2	0.81	0.00	0.13	0.00	0.18	0.16		100.0%	0.2%	16.3%	0.5%	22.5%	20.4%
95	M	Patch	150		2	0.69	0.00	0.07	0.00	0.24	0.17		100.0%	0.6%	10.0%	0.3%	34.6%	24.6%
96			151		2	0.84	0.00	0.10	0.00	0.21	0.18		100.0%	0.4%	11.9%	0.4%	24.7%	20.9%
97			157		5	1.60	0.01	0.33	0.01	0.40	0.45		100.0%	0.4%	20.5%	0.6%	24.8%	27.8%
98			158		5	1.66	0.01	0.45	0.01	0.61	0.42		100.0%	0.4%	27.1%	0.5%	36.9%	25.5%
99			159		5	1.41	0.01	0.13	0.00	0.52	0.31		100.0%	0.5%	9.5%	0.1%	36.8%	22.0%
100			160		5	1.59	0.01	0.11	0.00	0.58	0.45		100.0%	0.4%	6.8%	0.1%	36.1%	28.3%
101			161		5	1.49	0.01	0.40	0.02	0.35	0.45		100.0%	0.3%	26.7%	1.1%	23.5%	30.1%
102			166		5	1.43	0.01	0.45	0.02	0.30	0.44		100.0%	0.4%	31.5%	1.2%	20.9%	30.7%
103			167		5	1.45	0.00	0.13	0.01	0.46	0.45		100.0%	0.3%	8.8%	0.4%	32.0%	30.8%
104			168		5	1.44	0.01	0.16	0.00	0.55	0.32		100.0%	0.6%	10.7%	0.1%	37.9%	22.2%
105			169		5	1.66	0.01	0.11	0.01	0.52	0.42		100.0%	0.3%	6.7%	0.3%	31.2%	25.1%
106			1	129	2	0.57	0.00	0.04	0.00	0.07	0.23		100.0%	0.2%	7.3%	0.5%	12.9%	40.3%
107			3	131	2	0.74	0.00	0.06	0.01	0.12	0.29		100.0%	0.3%	7.7%	0.7%	16.7%	39.0%
108			5	133	2	0.90	0.00	0.13	0.00	0.17	0.37		100.0%	0.3%	14.3%	0.3%	19.2%	41.4%
109			7	135	2	0.79	0.00	0.14	0.00	0.17	0.31		100.0%	0.4%	17.7%	0.5%	21.7%	38.8%
110			9	137	2	0.83	0.00	0.17	0.00	0.16	0.30		100.0%	0.5%	20.2%	0.2%	18.9%	36.1%
111			14	142	4	1.72	0.01	0.44	0.01	0.25	0.65		100.0%	0.3%	25.4%	0.6%	14.5%	37.5%
112			15	143	4	1.47	0.00	0.23	0.01	0.31	0.58		100.0%	0.3%	15.8%	0.8%	20.9%	39.4%
113			16	144	4	1.40	0.01	0.11	0.00	0.32	0.65		100.0%	0.5%	7.9%	0.2%	22.8%	46.4%
114			17	145	4	1.36	0.00	0.16	0.01	0.18	0.55		100.0%	0.2%	11.7%	1.0%	13.1%	40.4%
115			21	149	4	1.95	0.00	0.46	0.01	0.42	0.80		100.0%	0.2%	23.5%	0.6%	21.4%	41.0%
116			22	150	4	1.34	0.01	0.11	0.01	0.35	0.64		100.0%	0.5%	8.4%	0.4%	26.3%	47.9%
117			23	151	4	1.76	0.01	0.43	0.01	0.37	0.74		100.0%	0.5%	24.6%	0.5%	21.0%	42.0%
118			29	157	10	3.97	0.01	1.61	0.04	0.70	1.98		100.0%	0.3%	40.7%	1.0%	17.7%	49.9%
119			30	158	10	4.00	0.01	0.92	0.03	1.19	1.81		100.0%	0.3%	22.9%	0.7%	29.9%	45.3%
120			31	159	10	3.30	0.01	0.29	0.01	1.03	1.68		100.0%	0.4%	8.8%	0.2%	31.3%	51.0%
121			32	160	10	3.68	0.02	0.29	0.01	1.04	1.65		100.0%	0.4%	8.0%	0.2%	28.3%	44.8%
122			33	161	10	4.02	0.01	1.44	0.03	0.71	1.77		100.0%	0.3%	35.8%	0.8%	17.6%	44.0%
123			38	166	10	3.97	0.01	1.39	0.05	0.67	1.87		100.0%	0.3%	35.0%	1.3%	16.9%	47.0%
124			39	167	10	3.70	0.01	0.29	0.01	1.09	1.96		100.0%	0.3%	7.8%	0.3%	29.4%	52.9%
125			40	168	10	3.47	0.03	0.55	0.00	1.10	1.50		100.0%	0.7%	15.9%	0.1%	31.8%	43.2%
126			41	169	10	4.11	0.02	0.61	0.01	0.89	1.84		100.0%	0.5%	14.9%	0.2%	21.7%	44.7%

No.	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
							69.6%	69.6%	0.6%	31.2%	1.2%	24.1%	33.7%
64	0.13	0.00	0.01	0.00	0.01	0.06	45.8%	45.8%	0.0%	4.8%	0.4%	3.7%	20.5%
65	0.18	0.00	0.02	0.00	0.01	0.06	49.7%	49.7%	0.0%	4.1%	0.5%	3.6%	17.0%
66	0.19	0.00	0.03	0.00	0.02	0.08	47.4%	47.4%	0.2%	7.7%	0.2%	4.9%	19.3%
67	0.19	0.00	0.04	0.00	0.02	0.06	47.6%	47.6%	0.2%	9.2%	0.2%	4.2%	16.0%
68	0.17	0.00	0.04	0.00	0.02	0.06	48.1%	48.1%	0.3%	10.8%	0.3%	5.0%	17.1%
69	0.30	0.00	0.12	0.00	0.02	0.13	36.9%	36.9%	0.1%	15.2%	0.4%	2.8%	15.8%
70	0.37	0.00	0.04	0.00	0.04	0.15	54.9%	54.9%	0.1%	6.1%	0.6%	5.4%	22.5%
71	0.48	0.00	0.03	0.00	0.05	0.19	65.4%	65.4%	0.3%	4.2%	0.0%	6.8%	25.4%
72	0.20	0.00	0.04	0.00	0.02	0.11	32.5%	32.5%	0.2%	7.1%	0.6%	3.2%	18.1%
73	0.43	0.00	0.11	0.00	0.05	0.17	51.0%	51.0%	0.1%	13.2%	0.4%	5.6%	20.8%
74	0.41	0.00	0.02	0.00	0.04	0.17	64.9%	64.9%	0.2%	2.5%	0.3%	6.5%	27.5%
75	0.37	0.00	0.11	0.00	0.03	0.14	50.4%	50.4%	0.3%	14.3%	0.1%	4.6%	19.1%
76	0.82	0.00	0.48	0.01	0.05	0.45	50.6%	50.6%	0.2%	29.5%	0.7%	3.2%	27.9%
77	1.07	0.00	0.14	0.01	0.15	0.48	66.5%	66.5%	0.2%	8.8%	0.6%	9.4%	30.2%
78	1.26	0.00	0.03	0.00	0.20	0.60	67.2%	67.2%	0.2%	1.4%	0.1%	10.9%	31.9%
79	1.19	0.00	0.04	0.00	0.15	0.51	69.6%	69.6%	0.2%	2.5%	0.1%	8.9%	30.0%
80	0.66	0.00	0.39	0.00	0.06	0.39	52.3%	52.3%	0.3%	31.2%	0.3%	4.8%	30.7%
81	1.01	0.00	0.41	0.02	0.11	0.57	59.5%	59.5%	0.2%	23.9%	1.1%	6.7%	33.7%
82	1.21	0.00	0.04	0.00	0.20	0.56	67.7%	67.7%	0.2%	2.0%	0.1%	11.2%	31.1%
83	1.00	0.01	0.07	0.00	0.14	0.48	67.4%	67.4%	0.5%	4.5%	0.1%	9.7%	32.3%
84	0.97	0.01	0.20	0.00	0.10	0.47	63.5%	63.5%	0.3%	12.9%	0.2%	6.6%	30.8%
85	0.12	0.00	0.01	0.00	0.01	0.02	50.6%	50.6%	0.4%	3.8%	0.4%	6.0%	8.1%
86	0.17	0.00	0.02	0.00	0.03	0.03	50.0%	50.0%	0.3%	4.7%	0.3%	7.9%	9.7%
87	0.19	0.00	0.03	0.00	0.04	0.03	46.5%	46.5%	0.2%	6.0%	0.2%	8.4%	7.5%
88	0.18	0.00	0.02	0.00	0.04	0.02	48.8%	48.8%	0.3%	4.3%	0.5%	11.1%	5.9%
89	0.21	0.00	0.03	0.00	0.04	0.03	51.0%	51.0%	0.2%	7.0%	0.2%	9.1%	7.5%
90	0.26	0.00	0.07	0.00	0.07	0.04	34.2%	34.2%	0.3%	9.8%	0.4%	8.8%	5.6%
91	0.42	0.00	0.07	0.00	0.12	0.07	54.8%	54.8%	0.3%	8.9%	0.3%	16.1%	8.9%
92	0.45	0.00	0.02	0.00	0.11	0.09	63.1%	63.1%	0.3%	2.5%	0.1%	15.7%	13.0%
93	0.20	0.00	0.04	0.00	0.04	0.05	33.7%	33.7%	0.2%	7.1%	0.5%	7.3%	7.6%
94	0.31	0.00	0.07	0.00	0.10	0.05	39.0%	39.0%	0.2%	9.1%	0.5%	12.5%	6.2%
95	0.45	0.00	0.03	0.00	0.12	0.07	66.0%	66.0%	0.4%	4.4%	0.1%	17.9%	10.0%
96	0.42	0.00	0.05	0.00	0.11	0.06	50.2%	50.2%	0.2%	6.5%	0.4%	12.7%	7.5%
97	0.93	0.01	0.22	0.01	0.22	0.21	58.3%	58.3%	0.3%	13.8%	0.5%	13.9%	13.3%
98	1.07	0.01	0.25	0.00	0.40	0.20	64.5%	64.5%	0.3%	14.8%	0.2%	24.1%	12.0%
99	0.97	0.01	0.05	0.00	0.29	0.13	68.7%	68.7%	0.5%	3.8%	0.1%	20.7%	9.0%
100	1.10	0.01	0.04	0.00	0.36	0.23	69.0%	69.0%	0.4%	2.4%	0.1%	22.8%	14.1%
101	0.81	0.00	0.26	0.01	0.19	0.21	54.3%	54.3%	0.3%	17.7%	0.9%	12.9%	14.4%
102	0.73	0.00	0.29	0.01	0.16	0.20	51.0%	51.0%	0.3%	20.1%	1.0%	11.1%	13.9%
103	0.94	0.00	0.04	0.00	0.30	0.21	65.0%	65.0%	0.3%	3.0%	0.2%	20.9%	14.7%
104	1.00	0.01	0.06	0.00	0.32	0.14	69.5%	69.5%	0.6%	3.8%	0.1%	22.2%	9.5%
105	1.09	0.01	0.07	0.00	0.29	0.19	65.4%	65.4%	0.3%	4.0%	0.1%	17.1%	11.1%
106	0.29	0.00	0.03	0.00	0.03	0.09	49.7%	49.7%	0.2%	5.6%	0.5%	5.2%	15.0%
107	0.37	0.00	0.04	0.01	0.05	0.11	50.4%	50.4%	0.3%	5.8%	0.7%	6.4%	14.9%
108	0.42	0.00	0.08	0.00	0.08	0.15	46.8%	46.8%	0.3%	9.2%	0.3%	9.0%	16.6%
109	0.38	0.00	0.09	0.00	0.08	0.10	48.5%	48.5%	0.4%	11.8%	0.5%	10.5%	12.8%
110	0.40	0.00	0.08	0.00	0.07	0.11	48.8%	48.8%	0.4%	10.2%	0.2%	8.4%	13.0%
111	0.68	0.00	0.29	0.01	0.13	0.24	39.4%	39.4%	0.2%	16.6%	0.5%	7.3%	13.8%
112	0.77	0.00	0.15	0.01	0.16	0.25	52.5%	52.5%	0.2%	10.3%	0.7%	11.2%	16.7%
113	0.84	0.01	0.06	0.00	0.17	0.29	60.0%	60.0%	0.4%	4.4%	0.1%	11.8%	20.7%
114	0.59	0.00	0.12	0.01	0.08	0.22	43.8%	43.8%	0.1%	8.8%	1.0%	5.9%	16.4%
115	0.93	0.00	0.29	0.01	0.21	0.32	47.5%	47.5%	0.2%	14.7%	0.5%	10.9%	16.5%
116	0.85	0.01	0.07	0.00	0.18	0.28	63.5%	63.5%	0.4%	5.1%	0.3%	13.4%	21.1%
117	0.99	0.01	0.27	0.01	0.19	0.28	56.3%	56.3%	0.4%	15.1%	0.3%	10.9%	15.8%
118	2.20	0.01	1.12	0.03	0.37	0.89	55.5%	55.5%	0.3%	28.2%	0.8%	9.2%	22.5%
119	2.47	0.01	0.38	0.03	0.75	0.97	61.8%	61.8%	0.3%	9.6%	0.7%	18.6%	24.3%
120	2.28	0.01	0.12	0.01	0.62	0.85	69.0%	69.0%	0.4%	3.7%	0.2%	18.8%	25.7%
121	2.49	0.01	0.10	0.01	0.62	0.82	67.7%	67.7%	0.4%	2.6%	0.2%	16.9%	22.3%
122	2.25	0.01	1.01	0.03	0.37	0.82	55.9%	55.9%	0.2%	25.2%	0.7%	9.1%	20.3%
123	2.07	0.01	0.90	0.05	0.34	0.91	52.2%	52.2%	0.2%	22.7%	1.2%	8.5%	22.8%
124	2.34	0.01	0.09	0.01	0.70	1.00	63.2%	63.2%	0.2%	2.5%	0.2%	19.0%	27.0%
125	2.35	0.02	0.20	0.00	0.64	0.70	67.6%	67.6%	0.6%	5.7%	0.1%	18.3%	20.1%
126	2.67	0.02	0.45	0.01	0.49	0.88	65.1%	65.1%	0.4%	10.9%	0.1%	12.0%	21.5%

- M–patch Mid CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
max ratio out of all beams													100.0%	0.6%	43.5%	1.5%	38.2%	69.0%							70.4%	70.4%	0.6%	32.5%	1.3%	23.0%	36.2%
64			1		1	0.28	0.00	0.03	0.00	0.02	0.16		100.0%	0.4%	10.7%	0.4%	8.5%	57.3%	0.11	0.00	0.02	0.00	0.01	0.06	38.1%	38.1%	0.4%	7.5%	0.4%	3.9%	20.6%
65			3		1	0.40	0.00	0.03	0.00	0.05	0.21		100.0%	0.3%	6.3%	0.5%	12.8%	51.4%	0.17	0.00	0.02	0.00	0.02	0.08	43.4%	43.4%	0.0%	4.0%	0.5%	5.8%	20.6%
66			5		1	0.43	0.00	0.05	0.00	0.05	0.24		100.0%	0.2%	12.2%	0.2%	11.5%	56.2%	0.18	0.00	0.04	0.00	0.02	0.11	41.7%	41.7%	0.2%	8.4%	0.2%	5.2%	25.1%
67			7		1	0.41	0.00	0.06	0.00	0.05	0.22		100.0%	0.2%	15.5%	0.2%	10.9%	53.8%	0.18	0.00	0.04	0.00	0.02	0.09	42.4%	42.4%	0.2%	9.2%	0.0%	4.8%	22.0%
68			9		1	0.39	0.00	0.06	0.00	0.05	0.20		100.0%	0.3%	16.6%	0.3%	13.5%	52.6%	0.17	0.00	0.04	0.00	0.02	0.08	44.3%	44.3%	0.3%	9.1%	0.3%	6.2%	20.5%
69			14		2	0.79	0.00	0.22	0.00	0.07	0.35		100.0%	0.3%	27.9%	0.4%	9.0%	45.0%	0.28	0.00	0.14	0.00	0.03	0.12	36.1%	36.1%	0.3%	18.3%	0.3%	3.9%	14.9%
70			15		2	0.70	0.00	0.08	0.01	0.09	0.41		100.0%	0.1%	10.9%	0.7%	12.9%	58.2%	0.36	0.00	0.05	0.00	0.04	0.18	51.1%	51.1%	0.1%	6.9%	0.6%	6.2%	25.6%
71			16		2	0.78	0.00	0.06	0.00	0.14	0.50		100.0%	0.4%	7.8%	0.1%	17.4%	64.1%	0.44	0.00	0.04	0.00	0.07	0.25	56.0%	56.0%	0.3%	5.5%	0.1%	9.0%	31.3%
72			17		2	0.70	0.00	0.09	0.00	0.05	0.31		100.0%	0.3%	12.8%	0.4%	6.4%	44.7%	0.25	0.00	0.06	0.00	0.02	0.11	36.1%	36.1%	0.1%	7.9%	0.3%	3.0%	16.0%
73			21		2	0.84	0.00	0.17	0.00	0.11	0.44		100.0%	0.2%	20.6%	0.4%	13.4%	52.9%	0.38	0.00	0.11	0.00	0.05	0.19	45.0%	45.0%	0.2%	13.2%	0.4%	6.2%	22.5%
74			22		2	0.62	0.00	0.03	0.00	0.10	0.42		100.0%	0.2%	4.0%	0.6%	16.7%	67.4%	0.35	0.00	0.02	0.00	0.05	0.21	55.5%	55.5%	0.2%	2.4%	0.6%	8.0%	32.9%
75			23		2	0.76	0.00	0.17	0.00	0.09	0.40		100.0%	0.4%	21.6%	0.1%	11.5%	52.6%	0.35	0.00	0.10	0.00	0.04	0.18	45.2%	45.2%	0.4%	13.5%	0.1%	5.6%	22.9%
76			29		5	1.81	0.01	0.72	0.01	0.21	0.98		100.0%	0.3%	39.5%	0.7%	11.3%	54.0%	0.86	0.00	0.50	0.01	0.10	0.47	47.6%	47.6%	0.2%	27.5%	0.6%	5.5%	25.7%
77			30		5	1.63	0.01	0.38	0.01	0.27	1.13		100.0%	0.3%	23.5%	0.7%	16.6%	69.0%	0.98	0.00	0.14	0.01	0.15	0.59	60.0%	60.0%	0.2%	8.8%	0.6%	8.9%	36.2%
78			31		5	1.95	0.01	0.06	0.00	0.43	1.24		100.0%	0.3%	3.2%	0.2%	21.8%	63.5%	1.12	0.00	0.03	0.00	0.25	0.63	57.2%	57.2%	0.2%	1.6%	0.2%	12.7%	32.5%
79			32		5	1.76	0.01	0.09	0.00	0.29	1.18		100.0%	0.4%	5.3%	0.1%	16.6%	67.0%	1.05	0.01	0.06	0.00	0.16	0.58	59.7%	59.7%	0.3%	3.2%	0.1%	9.3%	32.7%
80			33		5	1.36	0.01	0.59	0.00	0.11	0.71		100.0%	0.4%	43.5%	0.3%	8.4%	52.1%	0.56	0.00	0.44	0.00	0.05	0.35	41.1%	41.1%	0.3%	32.5%	0.2%	3.6%	25.7%
81			38		5	1.84	0.01	0.65	0.01	0.25	1.10		100.0%	0.4%	35.4%	0.8%	13.3%	59.6%	1.12	0.01	0.41	0.01	0.12	0.55	60.9%	60.9%	0.3%	22.3%	0.7%	6.3%	29.7%
82			39		5	1.75	0.01	0.16	0.01	0.34	1.14		100.0%	0.3%	9.1%	0.3%	19.4%	65.2%	0.99	0.00	0.05	0.01	0.19	0.59	56.4%	56.4%	0.2%	2.9%	0.3%	11.0%	33.6%
83			40		5	1.84	0.01	0.11	0.00	0.35	1.25		100.0%	0.3%	5.8%	0.1%	19.0%	68.0%	1.04	0.00	0.04	0.00	0.20	0.65	56.3%	56.3%	0.2%	2.1%	0.1%	10.8%	35.5%
84			41		5	1.24	0.01	0.35	0.00	0.14	0.84		100.0%	0.6%	27.9%	0.2%	11.5%	68.2%	0.69	0.01	0.26	0.00	0.08	0.43	56.0%	56.0%	0.5%	20.9%	0.1%	6.4%	34.8%
85			129		1	0.25	0.00	0.02	0.00	0.05	0.05		100.0%	0.4%	6.4%	0.4%	18.1%	18.9%	0.13	0.00	0.01	0.00	0.02	0.02	50.6%	50.6%	0.4%	4.0%	0.4%	8.0%	6.0%
86			131		1	0.33	0.00	0.02	0.00	0.07	0.08		100.0%	0.3%	4.8%	0.6%	22.1%	24.5%	0.18	0.00	0.01	0.00	0.03	0.04	53.6%	53.6%	0.3%	3.0%	0.6%	10.0%	10.6%
87			133		1	0.43	0.00	0.03	0.00	0.09	0.09		100.0%	0.5%	7.7%	0.2%	20.4%	21.1%	0.22	0.00	0.02	0.00	0.04	0.03	52.3%	52.3%	0.2%	4.7%	0.2%	8.5%	8.0%
88			135		1	0.39	0.00	0.04	0.00	0.09	0.06		100.0%	0.5%	10.9%	0.5%	23.4%	16.1%	0.19	0.00	0.02	0.00	0.04	0.02	48.6%	48.6%	0.3%	6.2%	0.5%	10.9%	5.7%
89			137		1	0.41	0.00	0.05	0.00	0.09	0.09		100.0%	0.2%	12.3%	0.2%	22.5%	21.3%	0.22	0.00	0.03	0.00	0.04	0.03	53.4%	53.4%	0.2%	6.4%	0.2%	10.3%	7.4%
90			142		2	0.74	0.00	0.09	0.01	0.13	0.13		100.0%	0.4%	11.8%	0.7%	18.0%	17.9%	0.25	0.00	0.06	0.01	0.07	0.05	34.2%	34.2%	0.3%	7.6%	0.7%	10.0%	6.4%
91			143		2	0.75	0.00	0.10	0.01	0.21	0.16		100.0%	0.4%	13.9%	0.7%	27.9%	21.1%	0.41	0.00	0.06	0.00	0.11	0.06	55.3%	55.3%	0.3%	7.9%	0.5%	14.6%	8.4%
92			144		2	0.75	0.00	0.04	0.00	0.23	0.25		100.0%	0.3%	4.8%	0.1%	30.3%	33.2%	0.49	0.00	0.02	0.00	0.11	0.12	65.4%	65.4%	0.3%	2.4%	0.1%	15.2%	15.4%
93			145		2	0.58	0.00	0.05	0.00	0.09	0.11		100.0%	0.3%	8.8%	0.7%	14.7%	19.2%	0.20	0.00	0.04	0.00	0.04	0.04	34.1%	34.1%	0.3%	6.1%	0.7%	7.1%	7.3%
94			149		2	0.75	0.00	0.13	0.01	0.15	0.15		100.0%	0.3%	17.9%	0.8%	20.2%	20.3%	0.30	0.00	0.08	0.01	0.08	0.05	40.6%	40.6%	0.3%	10.2%	0.7%	10.4%	6.1%
95	M	Patch	150		2	0.76	0.00	0.05	0.00	0.24	0.18		100.0%	0.5%	7.0%	0.3%	31.5%	23.1%	0.49	0.00	0.02	0.00	0.13	0.07	64.9%	64.9%	0.4%	2.9%	0.1%	16.8%	8.7%
96			151		2	0.84	0.00	0.14	0.01	0.21	0.14		100.0%	0.4%	16.6%	0.6%	25.2%	16.9%	0.39	0.00	0.08	0.00	0.11	0.05	46.3%	46.3%	0.2%	9.5%	0.5%	13.4%	5.7%
97			157		5	1.36	0.01	0.40	0.01	0.36	0.35		100.0%	0.4%	29.7%	0.8%	26.2%	25.7%	0.75	0.00	0.26	0.01	0.21	0.12	55.3%	55.3%	0.3%	19.0%	0.7%	15.7%	8.8%
98			158		5	1.48	0.01	0.42	0.01	0.53	0.33		100.0%	0.5%	28.3%	0.5%	35.8%	22.4%	0.99	0.01	0.18	0.01	0.33	0.15	66.7%	66.7%	0.4%	12.0%	0.5%	22.6%	10.0%
99			159		5	1.45	0.01	0.12	0.00	0.50	0.39		100.0%	0.6%	7.9%	0.2%	34.6%	27.2%	1.01	0.01	0.05	0.00	0.29	0.16	69.6%	69.6%	0.4%	3.2%	0.1%	20.1%	11.0%
100			160		5	1.85	0.01	0.07	0.00	0.70	0.50		100.0%	0.4%	3.8%	0.1%	37.8%	26.9%	1.25	0.01	0.03	0.00	0.42	0.23	67.8%	67.8%	0.3%	1.8%	0.1%	23.0%	12.4%
101			161		5	1.31	0.00	0.46	0.02	0.29	0.38		100.0%	0.3%	35.2%	1.2%	21.9%	29.1%	0.66	0.00	0.30	0.01	0.17	0.14	50.2%	50.2%	0.3%	22.7%	1.1%	13.0%	10.5%
102			166		5	1.37	0.00	0.47	0.02	0.29	0.36		100.0%	0.3%	34.7%	1.5%	20.9%	26.4%	0.65	0.00	0.30	0.02	0.15	0.15	47.7%	47.7%	0.2%	22.0%	1.3%	10.7%	10.6%
103			167		5	1.70	0.01	0.12	0.01	0.57	0.54		100.0%	0.5%	6.9%	0.3%	33.5%	31.6%	1.20	0.01	0.04	0.00	0.35	0.22	70.4%	70.4%	0.4%	2.2%	0.2%	20.3%	12.7%
104			168		5	1.56	0.01	0.11	0.00	0.56	0.45		100.0%	0.6%	7.0%	0.2%	35.9%	29.2%	1.09	0.01	0.05	0.00	0.33	0.21	70.2%	70.2%	0.5%	3.1%	0.1%	21.4%	13.6%
105			169		5	1.49	0.01	0.18	0.00	0.57	0.29		100.0%	0.5%	11.9%	0.2%	38.2%	19.4%	0.97	0.01	0.11	0.00	0.33	0.12	65.2%	65.2%	0.4%	7.2%	0.1%	22.1%	8.3%
106			1	129	2	0.56	0.00	0.06	0.00	0.09	0.23		100.0%	0.4%	9.9%	0.4%	15.6%	40.3%	0.26	0.00	0.04	0.00	0.04	0.09	47.0%	47.0%	0.2%	7.0%	0.4%	6.3%	15.4%
107			3	131	2	0.76	0.00	0.05	0.01	0.16	0.34		100.0%	0.4%	6.3%	0.8%	20.4%	44.3%	0.37	0.00	0.04	0.01	0.07	0.14	48.5%	48.5%	0.4%	4.6%	0.8%	8.7%	18.3%
108			5	133	2	0.90	0.00	0.11	0.01	0.15	0.38		100.0%	0.3%	12.6%	0.6%	16.8%	41.5%	0.46	0.00	0.08	0.00	0.07	0.15	50.5%	50.5%	0.2%	8.5%	0.4%	8.1%	17.1%
109			7	135	2	0.83	0.01	0.16	0.00	0.18	0.36		100.0%	0.6%	18.9%	0.5%	21.1%	42.7%	0.38	0.00	0.10	0.00	0.09	0.13	45.8%	45.8%	0.5%	11.8%	0.4%	10.2%	15.8%
110			9	137	2	0.82	0.01	0.16	0.00	0.17	0.33		100.0%	0.6%	19.8%	0.5%	20.5%	40.3%	0.41	0.00	0.09	0.00	0.08	0.11	49.9%	49.9%	0.4%	10.4%	0.4%	10.1%	13.7%
111			14	142	4	1.58	0.01	0.40	0.01	0.28	0.62		100.0%	0.4%	25.0%	0.8%	17.7%	39.1%	0.65	0.01	0.27	0.01	0.14	0.20	41.4%	41.4%	0.3%	16.9%	0.7%	8.7%	12.7%
112			15	143	4	1.54	0.00	0.23	0.01	0.35	0.58		100.0%	0.3%	14.8%	0.8%	22.7%	37.5%	0.84	0.00	0.15	0.01	0.19	0.26	54.3%	54.3%	0.2%	9.8%	0.7%	12.2%	17.1%
113			16	144	4	1.50	0.01	0.12	0.00	0.33	0.76		100.0%	0.5%	7.9%	0.1%	22.1%	51.0%	0.90	0.01	0.08	0.00	0.17	0.38	59.8%	59.8%	0.4%	5.5%	0.1%	11.6%	25.7%
114			17	145	4	1.29	0.01	0.18	0.01	0.16	0.51		100.0%	0.4%	13.7%	0.8%	12.0%	39.8%	0.55	0.00	0.12	0.01	0.08	0.20	42.9%	42.9%	0.3%	9.4%	0.7%	5.9%	15.3%
115			21	149	4	1.91	0.00	0.44	0.01	0.43	0.79		100.0%	0.2%	23.1%	0.7%	22.6%	41.5%	0.96	0.00	0.29	0.01	0.21	0.31	50.3%	50.3%	0.2%	14.9%	0.6%	11.2%	16.1%
116			22	150	4	1.45	0.01	0.08	0.01	0.38	0.61		100.0%	0.4%	5.8%	0.4%	26.5%	42.1%	0.86	0.01	0.05	0.01	0.21	0.30	59.2%	59.2%	0.3%	3.5%	0.4%	14.3%	20.7%
117			23	151	4	1.76	0.01	0.48	0.01	0.39	0.73		100.0%	0.6%	27.1%	0.6%	22.1%	41.5%	0.95	0.01	0.28	0.01	0.21	0.29	54.1%	54.1%	0.4%	16.0%	0.5%	11.8%	16.5%
118			29	157	10	4.12	0.02	1.65	0.04	0.66	1.97		100.0%	0.4%	40.0%	0.9%	16.0%	47.8%	2.00	0.01	1.15	0.03	0.31	0.92	48.6%	48.6%	0.3%	28.0%	0.8%	7.6%	22.3%
119			30	158	10	4.02	0.02	0.87	0.04	1.20	1.80		100.0%	0.5%	21.5%	0.9%	29.7%	44.8%	2.46	0.02	0.35	0.03	0.71	0.92	61.2%	61.2%	0.4%	8.6%	0.8%	17.7%	22.8%
120			31	159	10	3.42	0.02	0.28	0.01	1.03	1.65		100.0%	0.6%	8.1%	0.2%	30.0%	48.2%	2.11	0.02	0.11	0.01	0.63	0.80	61.5%	61.5%	0.4%	3.1%	0.2%	18.3%	23.2%
121			32	160	10	3.99	0.02	0.17	0.00	1.17	1.97		100.0%	0.6%	4.3%	0.1%	29.4%	49.3%	2.42	0.02	0.10	0.00	0.71	1.03	60.5%	60.5%	0.5%	2.5%	0.1%	17.9%	25.8%
122			33	161	10	3.38	0.02	1.45	0.03	0.58	1.59		100.0%	0.4%	42.9%	0.8%	17.2%	46.9%	1.82	0.01	1.05	0.02	0.28	0.73	53.7%	53.7%	0.4%	31.1%	0.7%	8.3%	21.4%
123			38	166	10	4.20	0.02	1.48	0.06	0.73	1.82		100.0%	0.4%	35.2%	1.4%	17.4%	43.4%	2.39	0.01	0.97	0.05	0.34	0.82	56.9%	56.9%	0.3%	23.0%	1.2%	8.1%	19.4%
124			39	167	10	4.02	0.02	0.27	0.02	1.16	2.05		100.0%	0.5%	6.7%	0.4%	28.8%	51.1%	2.42	0.02	0.10	0.02	0.70	1.05	60.4%	60.4%	0.4%	2.4%	0.4%	17.5%	26.3%
125			40	168	10	3.57	0.02	0.24	0.01	1.06	1.85		100.0%	0.6%	6.8%	0.1%	29.8%	52.0%	2.18	0.02	0.10	0.00	0.61	0.95	61.0%	61.0%	0.4%	2.9%	0.1%	17.2%	26.7%
126			41	169	10	3.51	0.02	0.72	0.01	0.95	1.55		100.0%	0.6%	20.5%	0.2%	27.0%	44.3%	2.23	0.02	0.51	0.01	0.55	0.80	63.4%	63.4%	0.6%	14.4%	0.2%	15.6%	22.6%

- M–patch High CH

No.	Module	Type	Beam ID_1	Bema ID_2	Feed no.	4cm2 PD(mW/cm2) S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	per Beam Back-off (dB)	ratio (Right 2mm)/(worst-surface 2mm)	ratio (Left 2mm)/(worst-surface 2mm)	ratio (Top 2mm)/(worst-surface 2mm)	ratio (Bottom 2mm)/(worst-surface 2mm)	ratio (Fornt 2mm)/(worst-surface 2mm)	ratio (Rear 2mm)/(worst-surface 2mm)	4cm2 PD(mW/cm2) at 10mm evaluation distance S4(Right)	S3(Left)	S5(Top)	S6(Bottom)	S1(Front)	S2(Rear)	ratio worst-surface (10mm/2mm)	ratio (Right 10mm)/(worst-surface 2mm)	ratio (Left 10mm)/(worst-surface 2mm)	ratio (Top 10mm)/(worst-surface 2mm)	ratio (Bottom 10mm)/(worst-surface 2mm)	ratio (Front 10mm)/(worst-surface 2mm)	ratio (Rear 10mm)/(worst-surface 2mm)
max ratio out of all beams													100.0%	0.9%	41.7%	1.1%	38.2%	68.3%							74.7%	74.7%	0.9%	31.2%	0.9%	22.8%	43.4%
64			1		1	0.30	0.00	0.02	0.00	0.04	0.16		100.0%	0.3%	6.1%	0.7%	13.2%	53.4%	0.11	0.00	0.01	0.00	0.02	0.07	36.8%	36.8%	0.3%	4.7%	0.7%	6.4%	23.0%
65			3		1	0.41	0.00	0.02	0.00	0.05	0.21		100.0%	0.2%	5.6%	0.2%	12.2%	52.2%	0.14	0.00	0.02	0.00	0.03	0.11	35.1%	35.1%	0.2%	3.9%	0.2%	6.1%	27.3%
66			5		1	0.50	0.00	0.05	0.00	0.05	0.25		100.0%	0.2%	10.6%	0.2%	10.6%	50.7%	0.18	0.00	0.04	0.00	0.02	0.13	35.7%	35.7%	0.0%	7.0%	0.2%	4.8%	25.0%
67			7		1	0.43	0.00	0.07	0.00	0.04	0.23		100.0%	0.2%	15.1%	0.2%	9.5%	52.4%	0.15	0.00	0.04	0.00	0.02	0.11	35.7%	35.7%	0.2%	9.3%	0.2%	4.2%	26.2%
68			9		1	0.36	0.00	0.06	0.00	0.05	0.19		100.0%	0.6%	15.9%	0.3%	13.4%	52.8%	0.14	0.00	0.03	0.00	0.02	0.09	39.9%	39.9%	0.3%	9.5%	0.3%	5.6%	24.3%
69			14		2	0.91	0.00	0.21	0.00	0.07	0.36		100.0%	0.2%	23.4%	0.4%	8.0%	39.9%	0.30	0.00	0.14	0.00	0.03	0.14	32.7%	32.7%	0.1%	14.9%	0.3%	3.5%	14.9%
70			15		2	0.67	0.00	0.05	0.01	0.10	0.36		100.0%	0.3%	6.9%	0.7%	15.2%	53.4%	0.28	0.00	0.03	0.00	0.05	0.21	42.4%	42.4%	0.3%	4.5%	0.6%	7.6%	30.7%
71			16		2	0.77	0.00	0.10	0.00	0.11	0.50		100.0%	0.3%	13.2%	0.1%	14.4%	65.1%	0.35	0.00	0.07	0.00	0.06	0.30	46.1%	46.1%	0.1%	8.9%	0.1%	7.6%	38.7%
72			17		2	0.70	0.00	0.07	0.00	0.05	0.34		100.0%	0.3%	10.4%	0.3%	7.6%	49.2%	0.21	0.00	0.05	0.00	0.02	0.13	29.5%	29.5%	0.1%	7.1%	0.3%	3.5%	18.3%
73			21		2	0.96	0.00	0.15	0.00	0.12	0.49		100.0%	0.1%	15.4%	0.3%	12.3%	50.8%	0.40	0.00	0.09	0.00	0.05	0.24	41.6%	41.6%	0.1%	9.3%	0.3%	5.6%	24.8%
74			22		2	0.64	0.00	0.02	0.00	0.12	0.39		100.0%	0.2%	3.5%	0.6%	19.5%	61.2%	0.31	0.00	0.01	0.00	0.06	0.24	48.0%	48.0%	0.2%	1.7%	0.5%	9.9%	38.3%
75			23		2	0.69	0.00	0.19	0.00	0.07	0.35		100.0%	0.4%	26.7%	0.1%	10.4%	50.1%	0.26	0.00	0.12	0.00	0.03	0.18	37.5%	37.5%	0.3%	17.4%	0.1%	4.9%	26.4%
76			29		5	1.76	0.01	0.63	0.01	0.17	0.82		100.0%	0.4%	35.9%	0.5%	9.5%	46.5%	0.84	0.01	0.42	0.01	0.08	0.38	47.6%	47.6%	0.3%	23.7%	0.5%	4.4%	21.7%
77			30		5	1.75	0.00	0.34	0.01	0.32	1.15		100.0%	0.2%	19.3%	0.7%	18.2%	65.9%	0.95	0.00	0.15	0.01	0.18	0.69	54.3%	54.3%	0.1%	8.4%	0.6%	10.4%	39.7%
78			31		5	1.92	0.00	0.07	0.00	0.43	1.20		100.0%	0.2%	3.6%	0.2%	22.3%	62.7%	0.94	0.00	0.03	0.00	0.26	0.77	48.8%	48.8%	0.2%	1.4%	0.2%	13.3%	40.1%
79			32		5	1.52	0.01	0.17	0.00	0.23	1.04		100.0%	0.4%	11.1%	0.3%	14.9%	68.3%	0.71	0.01	0.12	0.00	0.13	0.66	46.7%	46.7%	0.3%	7.6%	0.2%	8.4%	43.4%
80			33		5	1.56	0.00	0.62	0.00	0.11	0.76		100.0%	0.3%	39.8%	0.2%	6.7%	48.9%	0.70	0.00	0.45	0.00	0.06	0.37	44.8%	44.8%	0.3%	28.8%	0.2%	3.6%	23.8%
81			38		5	1.82	0.01	0.55	0.02	0.32	0.97		100.0%	0.3%	30.3%	0.9%	17.6%	53.3%	1.02	0.01	0.33	0.02	0.17	0.51	56.4%	56.4%	0.3%	18.3%	0.8%	9.5%	28.2%
82			39		5	1.80	0.00	0.20	0.01	0.33	1.18		100.0%	0.2%	10.9%	0.3%	18.4%	65.4%	0.91	0.00	0.04	0.00	0.19	0.75	50.7%	50.7%	0.1%	2.2%	0.2%	10.8%	41.4%
83			40		5	2.02	0.00	0.11	0.00	0.36	1.31		100.0%	0.2%	5.2%	0.1%	17.6%	65.0%	0.93	0.00	0.06	0.00	0.21	0.87	46.3%	46.3%	0.1%	3.0%	0.0%	10.4%	42.9%
84			41		5	1.19	0.01	0.50	0.00	0.12	0.73		100.0%	0.5%	41.7%	0.3%	10.4%	60.8%	0.61	0.01	0.37	0.00	0.06	0.40	50.7%	50.7%	0.4%	31.2%	0.2%	5.1%	33.6%
85			129		1	0.24	0.00	0.01	0.00	0.05	0.04		100.0%	0.0%	4.6%	0.4%	20.3%	17.4%	0.13	0.00	0.01	0.00	0.02	0.02	53.1%	53.1%	0.0%	2.9%	0.4%	8.3%	7.1%
86			131		1	0.32	0.00	0.02	0.00	0.08	0.08		100.0%	0.3%	4.7%	0.3%	24.5%	26.1%	0.16	0.00	0.01	0.00	0.04	0.03	51.3%	51.3%	0.3%	3.1%	0.3%	11.6%	8.8%
87			133		1	0.35	0.00	0.03	0.00	0.07	0.07		100.0%	0.6%	8.5%	0.6%	20.1%	20.1%	0.18	0.00	0.02	0.00	0.03	0.03	51.0%	51.0%	0.6%	5.1%	0.6%	8.2%	7.6%
88			135		1	0.32	0.00	0.04	0.00	0.06	0.06		100.0%	0.3%	13.1%	0.6%	17.5%	19.7%	0.14	0.00	0.02	0.00	0.03	0.02	44.1%	44.1%	0.3%	6.9%	0.3%	7.8%	5.9%
89			137		1	0.36	0.00	0.06	0.00	0.07	0.08		100.0%	0.3%	15.7%	0.3%	19.0%	22.9%	0.18	0.00	0.03	0.00	0.03	0.03	50.7%	50.7%	0.3%	7.7%	0.3%	8.5%	7.7%
90			142		2	0.67	0.00	0.07	0.00	0.12	0.17		100.0%	0.3%	10.6%	0.4%	18.1%	24.7%	0.22	0.00	0.05	0.00	0.06	0.06	32.1%	32.1%	0.3%	6.7%	0.4%	8.8%	8.5%
91			143		2	0.68	0.01	0.09	0.00	0.18	0.12		100.0%	0.7%	13.4%	0.6%	26.3%	17.0%	0.34	0.00	0.05	0.00	0.09	0.04	49.9%	49.9%	0.6%	7.2%	0.4%	13.4%	6.3%
92			144		2	0.66	0.00	0.05	0.00	0.22	0.20		100.0%	0.3%	7.8%	0.2%	33.3%	29.8%	0.45	0.00	0.03	0.00	0.11	0.08	68.7%	68.7%	0.3%	4.6%	0.2%	16.8%	12.7%
93			145		2	0.59	0.00	0.04	0.00	0.10	0.14		100.0%	0.2%	7.3%	0.3%	16.7%	24.5%	0.21	0.00	0.03	0.00	0.04	0.06	36.1%	36.1%	0.2%	4.6%	0.3%	7.5%	10.5%
94			149		2	0.75	0.00	0.13	0.00	0.15	0.13		100.0%	0.4%	17.0%	0.5%	19.5%	17.3%	0.26	0.00	0.07	0.00	0.07	0.05	35.3%	35.3%	0.4%	9.5%	0.5%	8.7%	6.4%
95	M	Patch	150		2	0.58	0.01	0.05	0.00	0.18	0.12		100.0%	0.9%	8.4%	0.3%	31.4%	20.0%	0.39	0.01	0.02	0.00	0.09	0.05	66.9%	66.9%	0.9%	3.6%	0.3%	15.9%	8.3%
96			151		2	0.76	0.00	0.15	0.00	0.17	0.15		100.0%	0.4%	19.5%	0.4%	21.9%	20.0%	0.34	0.00	0.09	0.00	0.09	0.05	44.0%	44.0%	0.4%	11.5%	0.4%	11.6%	6.5%
97			157		5	1.40	0.00	0.43	0.00	0.39	0.40		100.0%	0.3%	30.9%	0.3%	28.1%	28.6%	0.75	0.00	0.27	0.00	0.22	0.17	53.7%	53.7%	0.3%	19.3%	0.2%	15.5%	12.5%
98			158		5	1.26	0.01	0.31	0.01	0.43	0.28		100.0%	0.6%	24.9%	0.9%	34.5%	21.9%	0.79	0.01	0.12	0.01	0.26	0.11	62.8%	62.8%	0.5%	9.4%	0.8%	20.7%	8.9%
99			159		5	1.06	0.01	0.16	0.00	0.39	0.27		100.0%	0.6%	15.0%	0.3%	36.9%	25.8%	0.79	0.01	0.07	0.00	0.20	0.11	74.3%	74.3%	0.5%	7.0%	0.2%	19.3%	9.9%
100			160		5	1.67	0.01	0.07	0.00	0.64	0.51		100.0%	0.4%	4.4%	0.1%	38.2%	30.5%	1.21	0.01	0.03	0.00	0.38	0.23	72.6%	72.6%	0.4%	2.0%	0.1%	22.8%	13.9%
101			161		5	1.39	0.00	0.47	0.01	0.34	0.42		100.0%	0.2%	33.9%	0.4%	24.4%	29.8%	0.68	0.00	0.30	0.00	0.19	0.17	48.9%	48.9%	0.1%	21.6%	0.3%	13.4%	12.3%
102			166		5	1.47	0.00	0.45	0.01	0.33	0.39		100.0%	0.2%	30.3%	0.6%	22.2%	26.7%	0.68	0.00	0.29	0.01	0.17	0.15	46.0%	46.0%	0.2%	19.4%	0.5%	11.6%	10.1%
103			167		5	1.46	0.01	0.12	0.00	0.54	0.42		100.0%	0.8%	7.9%	0.3%	36.8%	29.0%	1.07	0.01	0.05	0.00	0.30	0.18	73.2%	73.2%	0.7%	3.4%	0.2%	20.3%	12.5%
104			168		5	1.22	0.01	0.13	0.00	0.44	0.38		100.0%	0.5%	10.7%	0.2%	35.9%	31.1%	0.91	0.01	0.06	0.00	0.25	0.16	74.7%	74.7%	0.5%	4.7%	0.2%	20.3%	13.1%
105			169		5	1.29	0.01	0.20	0.00	0.46	0.34		100.0%	0.7%	15.2%	0.3%	35.4%	26.4%	0.77	0.01	0.13	0.00	0.26	0.14	60.1%	60.1%	0.5%	10.3%	0.2%	19.8%	10.5%
106			1	129	2	0.62	0.00	0.04	0.00	0.13	0.22		100.0%	0.3%	6.7%	0.7%	21.0%	35.1%	0.30	0.00	0.03	0.00	0.06	0.09	48.6%	48.6%	0.2%	5.0%	0.7%	9.4%	14.3%
107			3	131	2	0.75	0.00	0.05	0.00	0.18	0.36		100.0%	0.4%	6.0%	0.5%	23.6%	47.3%	0.34	0.00	0.04	0.00	0.08	0.18	44.7%	44.7%	0.3%	4.6%	0.4%	10.9%	23.3%
108			5	133	2	0.90	0.00	0.11	0.00	0.14	0.37		100.0%	0.3%	12.1%	0.3%	16.0%	41.6%	0.38	0.00	0.07	0.00	0.06	0.16	42.4%	42.4%	0.3%	7.7%	0.2%	6.8%	17.4%
109			7	135	2	0.76	0.00	0.14	0.00	0.13	0.33		100.0%	0.5%	18.6%	0.5%	16.4%	43.0%	0.32	0.00	0.09	0.00	0.06	0.14	41.7%	41.7%	0.4%	12.2%	0.4%	7.9%	18.6%
110			9	137	2	0.74	0.00	0.14	0.00	0.13	0.28		100.0%	0.5%	18.4%	0.4%	18.0%	38.1%	0.36	0.00	0.07	0.00	0.06	0.12	48.3%	48.3%	0.4%	9.6%	0.4%	8.6%	16.6%
111			14	142	4	1.63	0.00	0.37	0.01	0.28	0.59		100.0%	0.2%	22.8%	0.6%	17.0%	36.4%	0.62	0.00	0.24	0.01	0.13	0.25	37.7%	37.7%	0.2%	14.8%	0.6%	8.0%	15.0%
112			15	143	4	1.42	0.01	0.16	0.01	0.36	0.54		100.0%	0.6%	11.6%	0.8%	25.6%	38.2%	0.74	0.01	0.10	0.01	0.20	0.29	52.3%	52.3%	0.5%	7.3%	0.7%	14.0%	20.8%
113			16	144	4	1.40	0.01	0.20	0.00	0.33	0.68		100.0%	0.4%	14.2%	0.2%	23.4%	48.8%	0.80	0.00	0.13	0.00	0.16	0.37	57.4%	57.4%	0.3%	9.5%	0.1%	11.1%	26.3%
114			17	145	4	1.30	0.00	0.15	0.01	0.20	0.56		100.0%	0.3%	11.3%	0.6%	15.7%	43.6%	0.56	0.00	0.11	0.01	0.09	0.20	43.4%	43.4%	0.3%	8.2%	0.5%	7.0%	15.8%
115			21	149	4	1.88	0.01	0.37	0.01	0.38	0.80		100.0%	0.3%	19.6%	0.6%	20.2%	42.4%	0.92	0.01	0.22	0.01	0.18	0.35	48.8%	48.8%	0.3%	11.8%	0.5%	9.4%	18.5%
116			22	150	4	1.28	0.01	0.10	0.01	0.36	0.56		100.0%	0.8%	7.9%	0.5%	28.2%	43.6%	0.77	0.01	0.05	0.01	0.19	0.35	60.5%	60.5%	0.7%	4.0%	0.4%	14.9%	27.5%
117			23	151	4	1.66	0.01	0.47	0.01	0.31	0.64		100.0%	0.5%	28.5%	0.4%	18.9%	38.5%	0.80	0.01	0.29	0.01	0.16	0.30	48.1%	48.1%	0.4%	17.7%	0.4%	9.8%	18.1%
118			29	157	10	3.75	0.01	1.42	0.02	0.65	1.52		100.0%	0.3%	37.8%	0.5%	17.4%	40.4%	2.15	0.01	0.94	0.02	0.34	0.71	57.4%	57.4%	0.3%	25.1%	0.5%	9.1%	18.9%
119			30	158	10	4.06	0.01	0.81	0.03	1.23	1.73		100.0%	0.3%	20.0%	0.8%	30.2%	42.7%	2.56	0.01	0.31	0.03	0.72	0.89	63.0%	63.0%	0.2%	7.7%	0.7%	17.7%	22.0%
120			31	159	10	3.19	0.02	0.32	0.01	0.96	1.49		100.0%	0.5%	10.1%	0.3%	30.1%	46.6%	1.86	0.01	0.14	0.01	0.55	0.90	58.3%	58.3%	0.4%	4.3%	0.3%	17.4%	28.2%
121			32	160	10	3.65	0.02	0.26	0.01	1.00	1.76		100.0%	0.6%	7.2%	0.2%	27.4%	48.2%	2.28	0.02	0.15	0.01	0.59	0.95	62.4%	62.4%	0.5%	4.2%	0.2%	16.3%	26.2%
122			33	161	10	3.89	0.01	1.47	0.01	0.58	1.69		100.0%	0.3%	37.9%	0.3%	15.0%	43.4%	2.04	0.01	1.03	0.01	0.32	0.83	52.5%	52.5%	0.3%	26.6%	0.2%	8.2%	21.4%
123			38	166	10	3.89	0.01	1.09	0.04	0.83	1.65		100.0%	0.3%	28.0%	1.1%	21.5%	42.3%	1.94	0.01	0.67	0.04	0.39	0.86	49.8%	49.8%	0.2%	17.2%	0.9%	10.1%	22.0%
124			39	167	10	3.69	0.02	0.25	0.02	1.14	1.89		100.0%	0.5%	6.8%	0.4%	31.0%	51.3%	2.36	0.02	0.09	0.01	0.66	1.10	64.1%	64.1%	0.4%	2.6%	0.3%	17.8%	29.9%
125			40	168	10	3.27	0.02	0.27	0.01	0.94	1.84		100.0%	0.5%	8.3%	0.2%	28.8%	56.4%	1.80	0.01	0.16	0.00	0.54	1.13	55.1%	55.1%	0.4%	4.8%	0.1%	16.6%	34.7%
126			41	169	10	3.05	0.03	0.92	0.01	0.85	1.43		100.0%	0.9%	30.1%	0.3%	27.8%	46.8%	1.92	0.02	0.70	0.01	0.45	0.77	62.9%	62.9%	0.7%	22.8%	0.3%	14.7%	25.2%