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Power Density Simulation Report

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 2021.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.
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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 iterations 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).

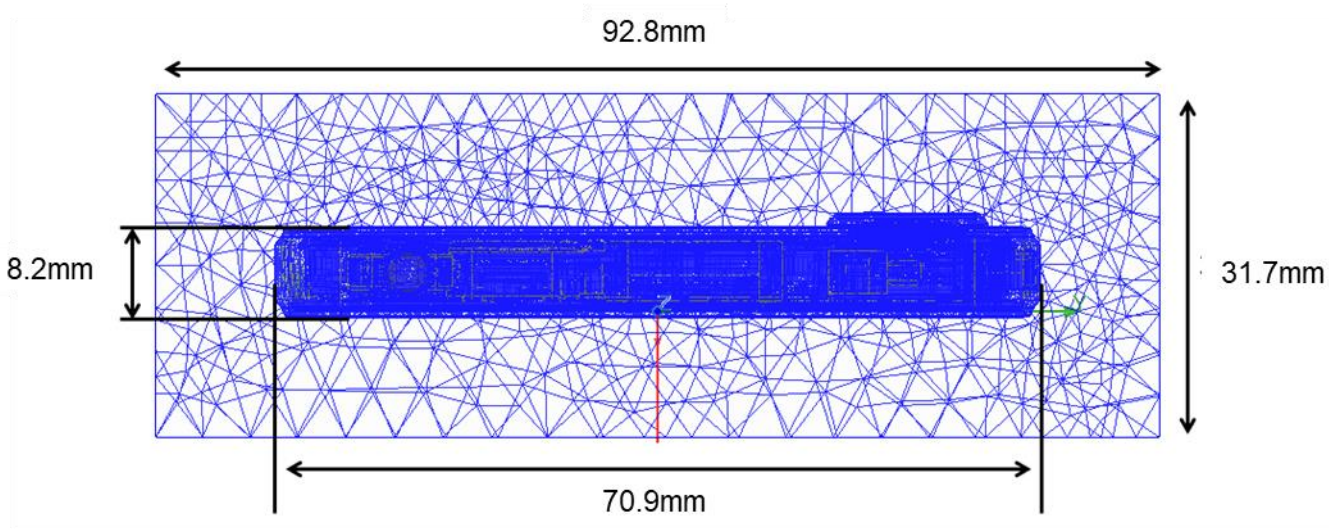


Figure 1. Example of the adaptive mesh technique (Top view)

1.1.3 Power density calculation

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

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

$\langle \vec{\mathrm{S}} \rangle$ 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 2021.R2 (HFSS).

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

$$PD_{av} = \frac{1}{A}\int_{A} \langle \vec{S} \rangle \cdot ds = \frac{1}{2A}\int_{A} \left| Re\left(\vec{E} \times \vec{H}^{*}\right) \right|$$

where the spatial-averaged power density (PDav) is total power density value considering on x, y and z components of point power density $\langle \vec{\mathrm{S}} \rangle$ and the evaluated area (A) is 4cm^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#0, Ant#1. The simulation model contains Module#0, Module#1 and entire DUT body so that enable to Smart transmit GEN2. Ant#0 is placed on the right side and antennas are facing the right side of the device. Ant#1 is placed on the Left side and antennas are facing the Left side of the device.

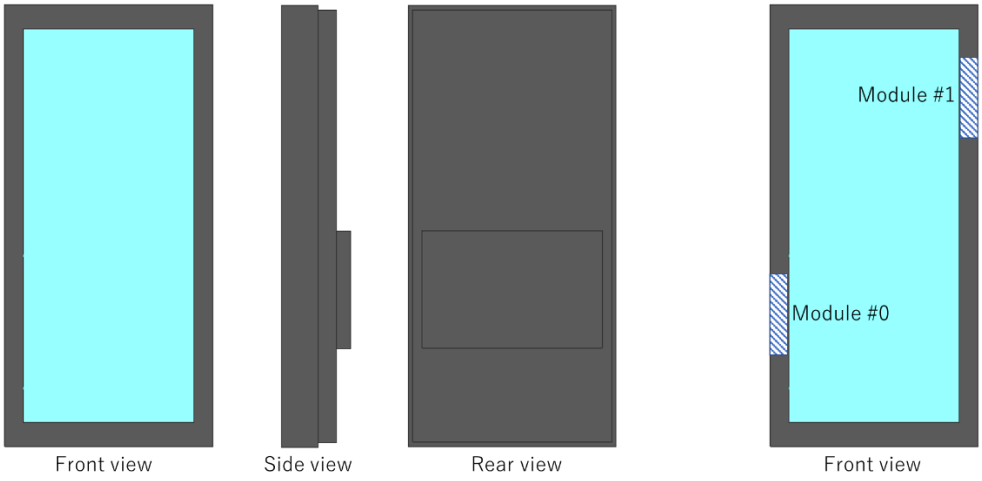


Figure 2. Simulation model which is mounted two mmWave antenna modules

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 truncation area of the simulation model to find worst case of beamforming cases.
In this report, each planes are defined as shown in Figure3. Plane names are defined as the direction when viewed from the front of the display.

Table 1. PD evaluation planes

Module	Front	Back	Left	Right	Top	Bottom
	S1	S2	S3	S4	S5	S6
ANT0	Y	Y	Y	Y	Y	Y
ANT1	Y	Y	Y	Y	Y	Y

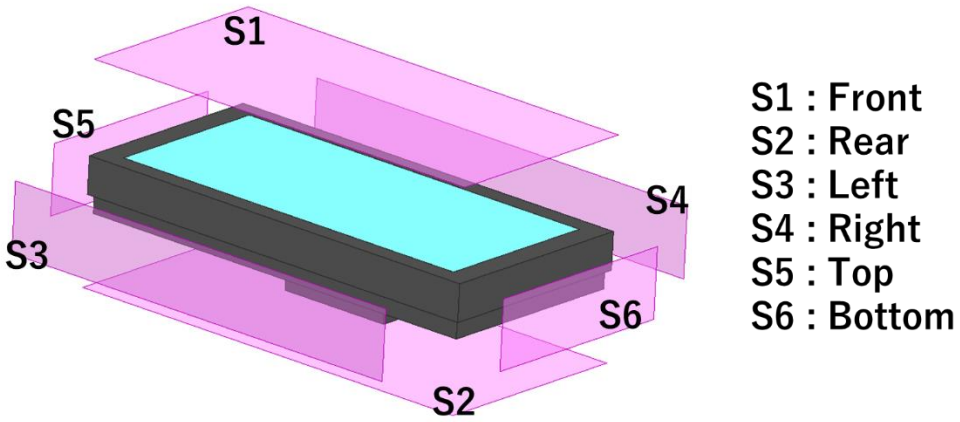


Figure 3.PD evaluation planes

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 2021.R2 (HFSS) can support the absorbing boundary condition (ABC) for radiation boundary and make normally a quarter wavelength from the radiating structure. In this report, to cover all beamforming cases of mmWave antenna modules, the three-wavelength spacing from the device is used.

1.2.4 Source excitation condition

Each antenna module has 20 feed-in ports, 10 ports are 1x5 patch array antenna for n260 band and others are for n261and n258 band. 5 of the 10 ports are divided into vertically polarized feeds, and the other 5 ports are divided into horizontal polarization feeding.

Figure 4 shows the Ant#0 module structure and surrounding structure. The ANT#0 module is encrypted in the ANSYS Electromagnetics suite (HFSS) and can only check the feeding position.

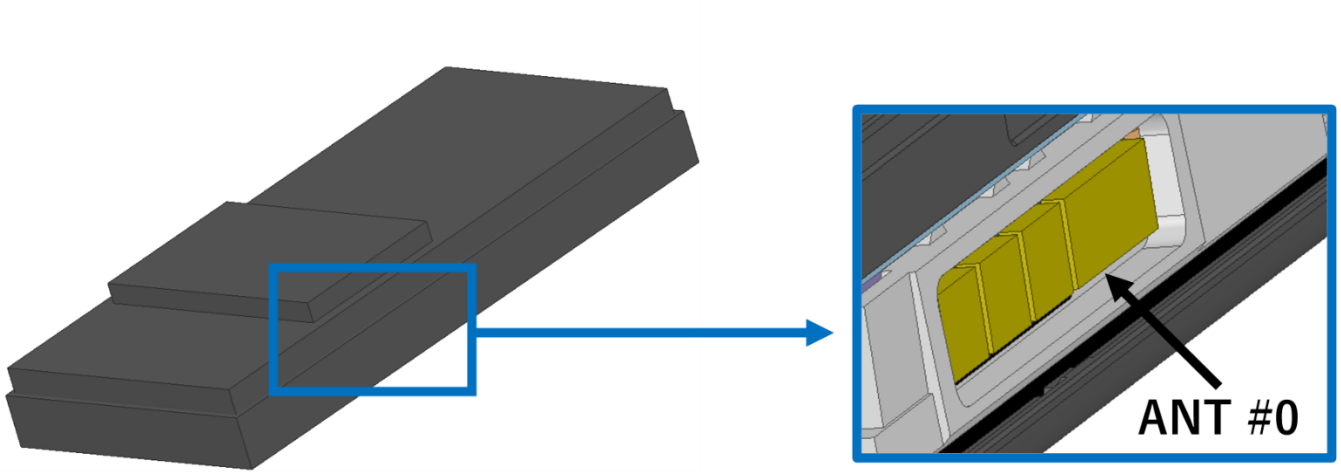


Figure 4. mmWave module (ANT#0)

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.

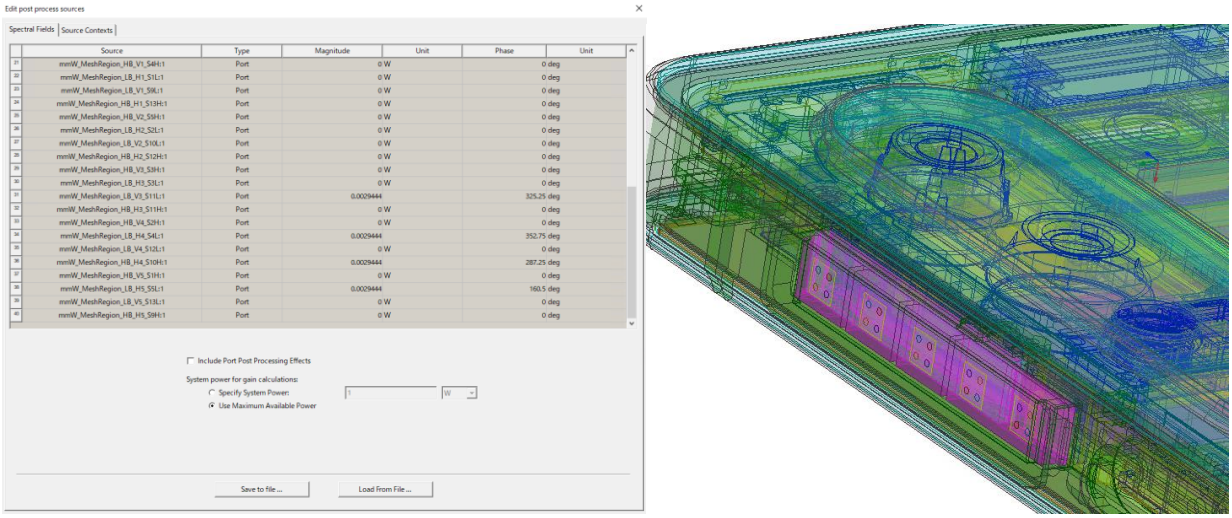


Figure 5. An example of port excitation

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

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 the example of the distribution plot of point power density.

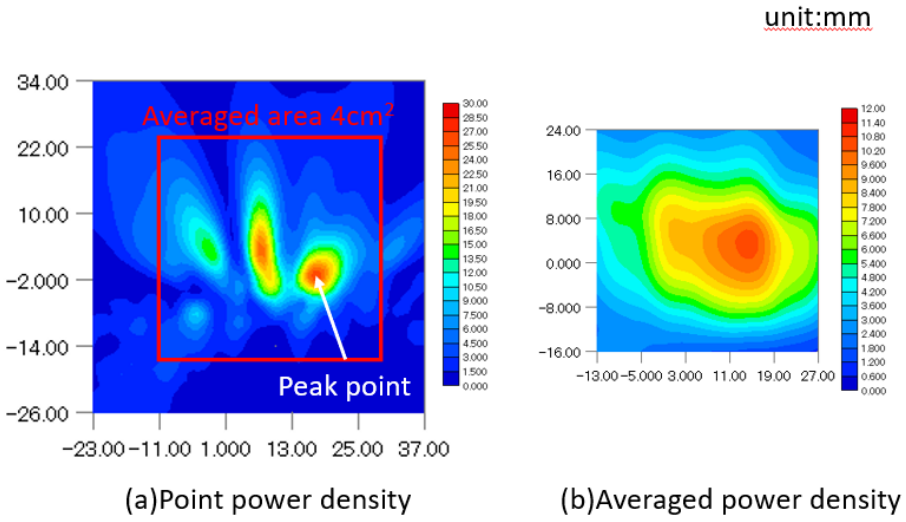


Figure 6. Point power density distribution (Example)

For Smart transmit GEN2, “Qualcomm MG script” were used.
By using this it can accomplish the following:

*Evaluation of mutual coupling between modules
*Extracting EM data of each BIDs
*Calculate backoff values for each module and BIDs

Among the backoff values calculated through this process, the smallest value in LMHch is adopted as Simulated.Power_limit. When considering TER, actual backoff value may be required further backoff .

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 (see RF Exposure Part 0 Report).

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	ANT#0	6.0	6.0
	ANT#1	6.0	6.0
5G NR n260	ANT#0	6.0	6.0
	ANT#1	6.0	6.0
5G NR n258	ANT#0	6.0	6.0
	ANT#1	6.0	6.0

* The below simulation and measurement result were performed at 2mm evaluation distance and 25GHz / 28GHz / 38.5GHz. The input.power.limit was determined based on below results in RF Exposure Part 0 Report.

Band	Module	Type	Surface	Beam ID	PLS (10dBm)	Sim.PD (W/m ^2)	Meas.PD (W/m ^2) *circle Avg
n261	ANT0	Patch	Left	38	60	22.35	14.70
			Front	32		8.13	4.42
			Left	160		24.05	15.90
			Front	159		8.83	4.16
	ANT1	Patch	Right	27		21.06	16.50
			Front	35		9.15	5.57
			Right	163		21.32	15.60
			Front	163		9.45	4.93
n260	ANT0	Patch	Left	157	60	18.78	11.40
			Front	157		7.63	4.49
			Left	29		17.74	10.90
			Front	29		7.16	3.27
	ANT1	Patch	Right	156		18.87	11.90
			Front	156		8.95	5.37
			Right	28		16.54	12.00
			Front	27		6.34	3.44
n258	ANT0	Patch	Left	29	60	20.91	11.40
			Front	29		7.53	4.77
			Left	161		14.55	7.28
			Front	167		4.53	4.12
	ANT1	Patch	Right	26		18.71	15.30
			Front	26		6.77	4.31
			Right	164		16.82	12.20
			Front	153		6.5	3.00

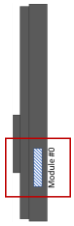
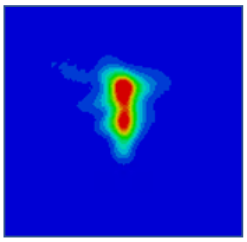
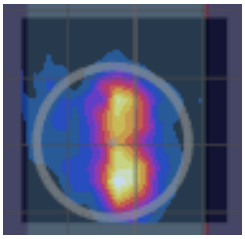
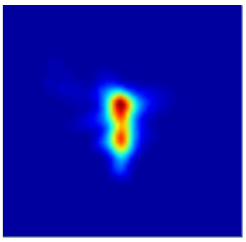
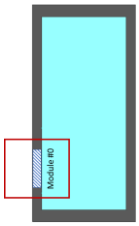
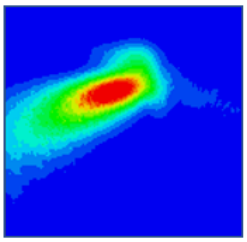
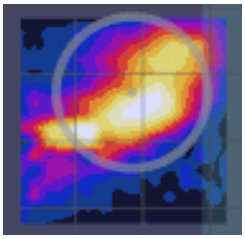
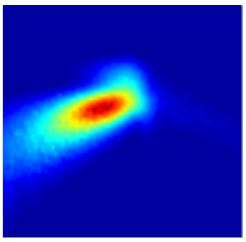
The Smart transmit GEN2 cannot be finalized until the additional verifications are performed and passed. Follow the below 3 steps for verifications in the mid channel of each band:

Qualcomm MGscript Verify #1

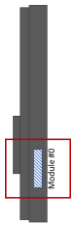
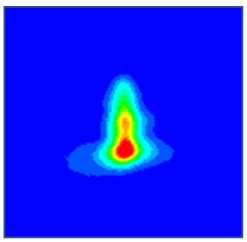
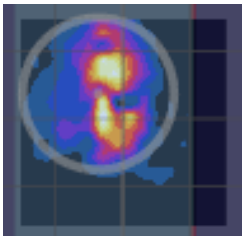
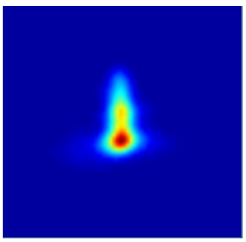
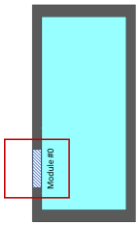
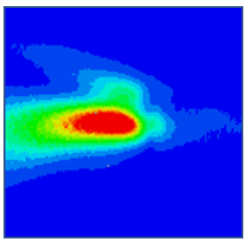
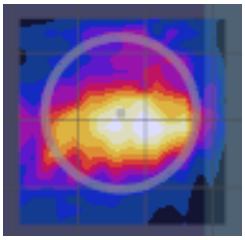
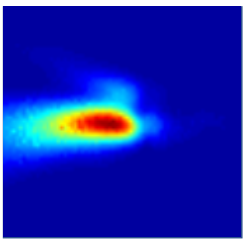
Use “Qualcomm MG script” to print the PD plots for all the beams selected and evaluated for model validation.

As shown below table, distribution of PD of simulated by HFSS, output from MG script and Measured are correspond. Thus, the model validation including MG script were verified.

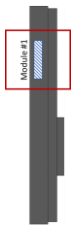
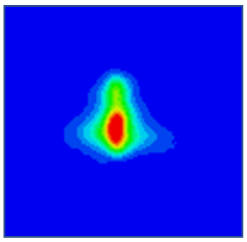
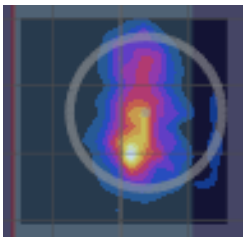
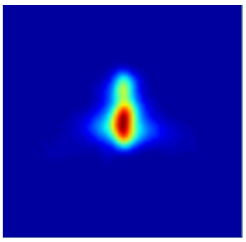
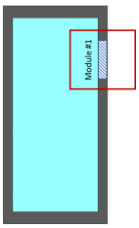
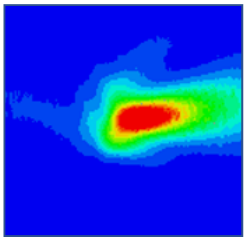
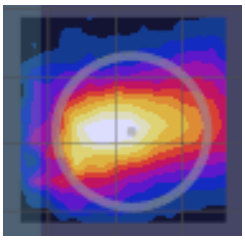
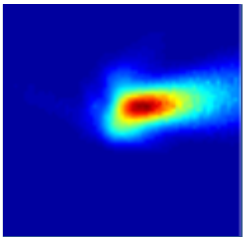
n261 ANT#0: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
38	Left				
32	Front				

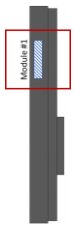
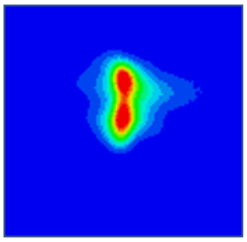
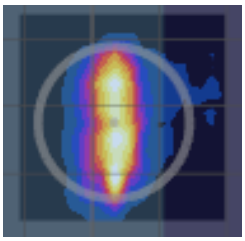
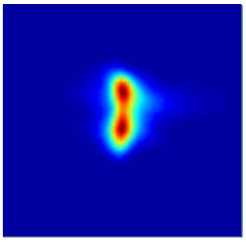
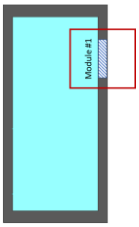
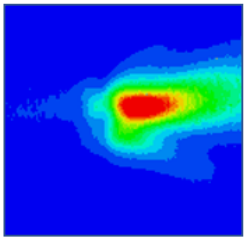
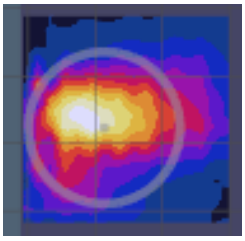
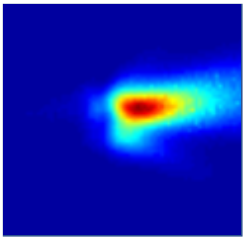
n261 ANT#0: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
160	Left				
159	Front				

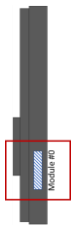
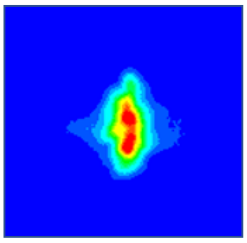
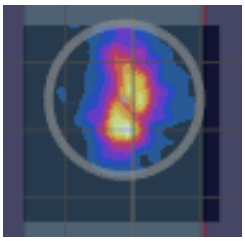
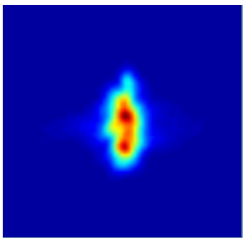
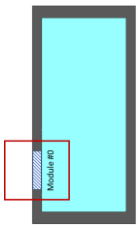
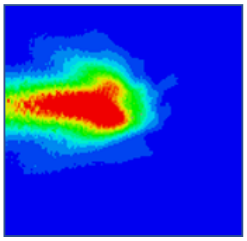
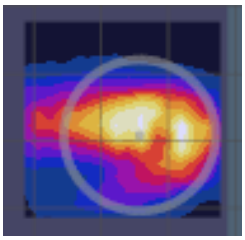
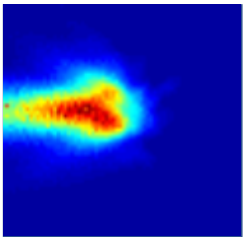
n261 ANT#1: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
27	Right				
35	Front				

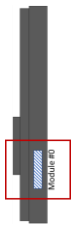
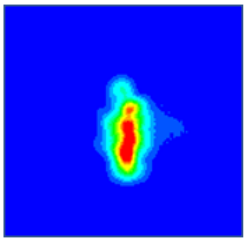
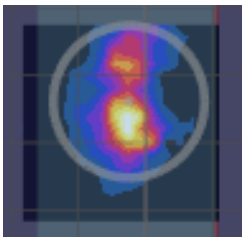
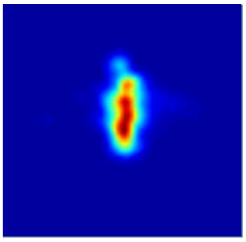
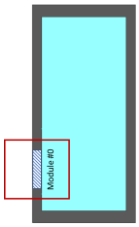
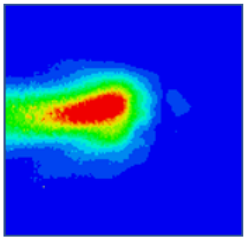
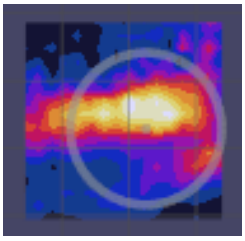
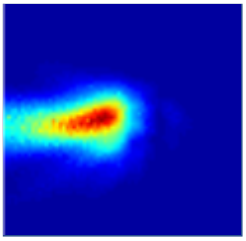
n261 ANT#1: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
163	Right				
163	Front				

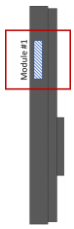
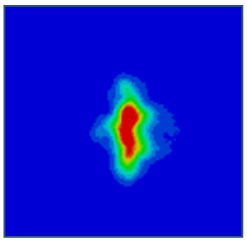
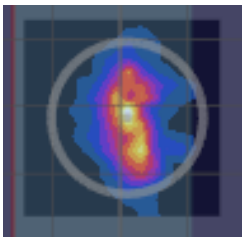
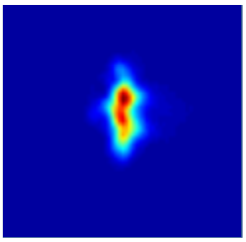
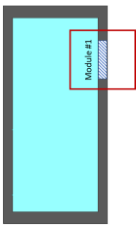
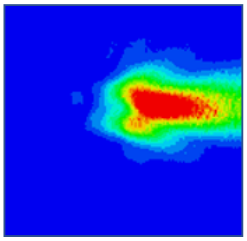
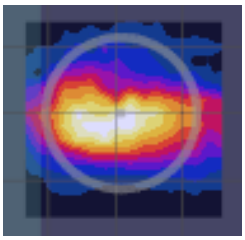
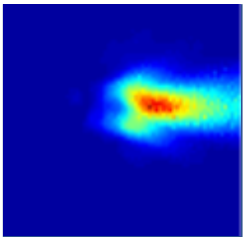
n260 ANT#0: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
157	Left				
157	Front				

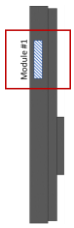
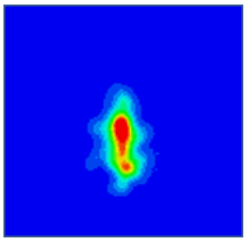
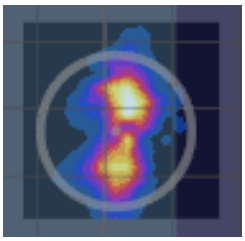
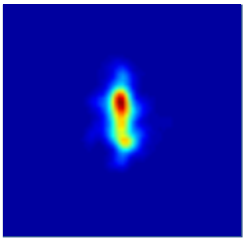
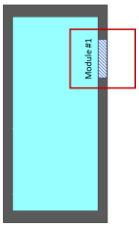
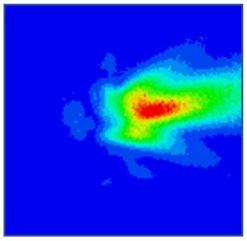
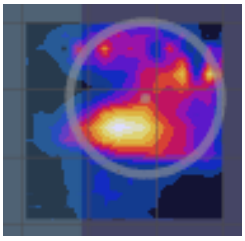
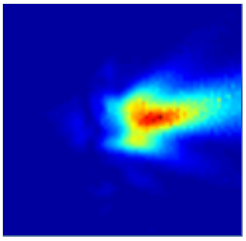
n260 ANT#0: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
29	Left				
29	Front				

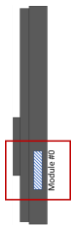
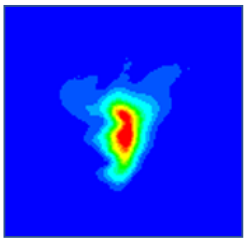
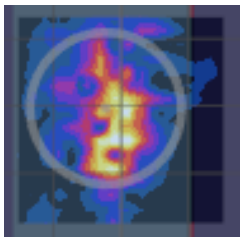
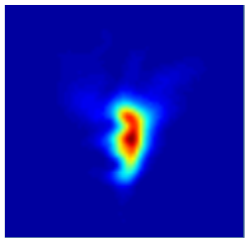
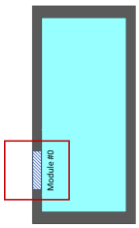
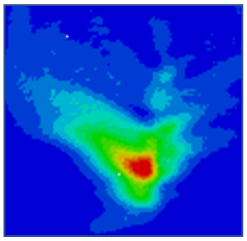
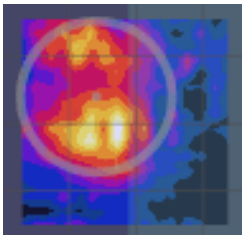
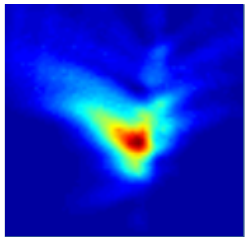
n260 ANT#1: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
156	Right				
156	Front				

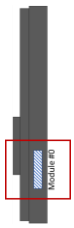
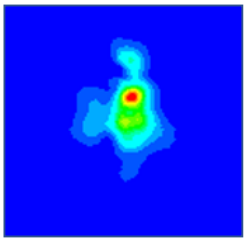
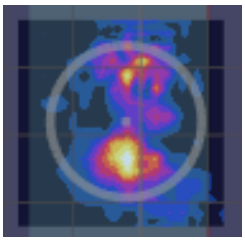
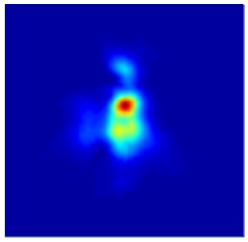
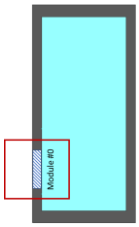
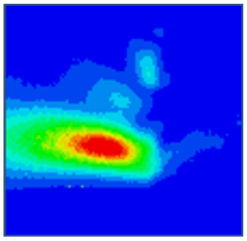
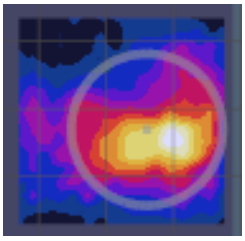
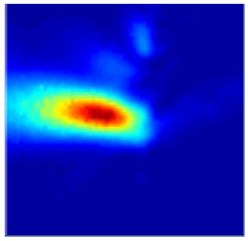
n260 ANT#1: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
28	Right				
27	Front				

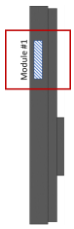
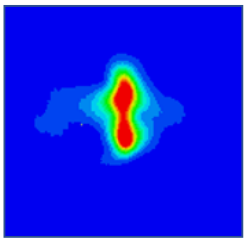
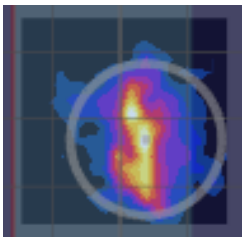
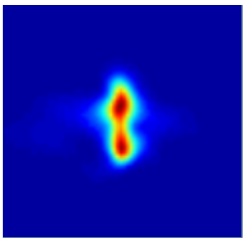
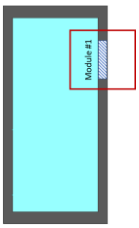
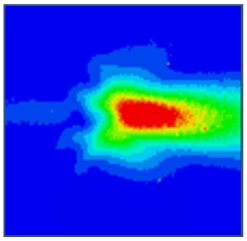
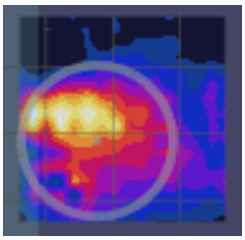
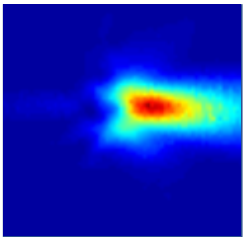
n258 ANT#0: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
29	Left				
29	Front				

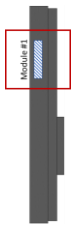
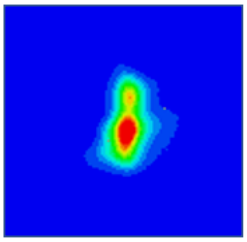
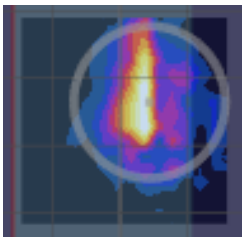
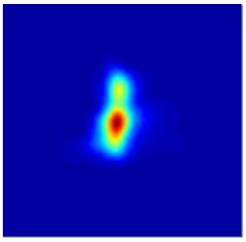
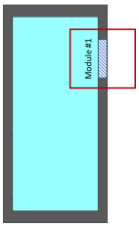
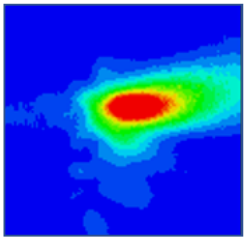
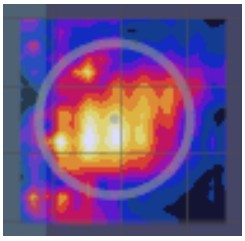
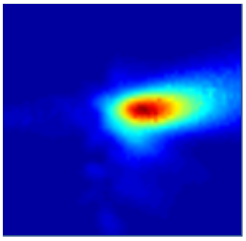
n258 ANT#0: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
161	Left				
167	Front				

n258 ANT#1: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
26	Right				
26	Front				

n258 ANT#1: Mid Channel, distance:2mm

BeamID	Surface	View	Simulated PD	Measured PD	Output from Qualcomm MG Script
164	Right				
153	Front				

Qualcomm MGscript Verify #2 Contribution factor verification using HFSS

Contribution factors from Qualcomm MG script and from HFSS for selected beams, and normalized combined PD erification, for PY7-46195Y device with 2 QTMs. The printed contribution factor from Qualcomm MG Script was within 2% numerical tolerance of the simulated contribution factor. Additionally, the normalized combined PD is < 1.0.

distance:2mm

n261

Surface corresponding to worst 4cm2 PD value is **Right**

(x,y,z) = (-0.03240m, 0.04579m, -0.01200m)

QTM #	Beam ID	Printed contribution factor "c"	backoff factor "b"
0	33	0.0031	0.9772
1	148	1.0000	0.9772

verify: 0.0031 * 0.9772 + 1.0000 * 0.9772 = 0.9802 ≦ 1

From HFSS

simulated PD at sim.power.limit at (x, y, z)	calculated c
0.0183	0.0029
6.3113	1.0002

verify: contribution factors are match MGscript and HFSS

n260

Surface corresponding to worst 4cm2 PD value is **Right**

(x,y,z) = (-0.03040m, 0.04579m, 0.00200m)

QTM #	Beam ID	Printed contribution factor "c"	backoff factor "b"
0	31	0.0004	0.9772
1	13	1.0000	0.9772

verify 0.0004 * 0.9772 + 1.0000 * 0.9772 = 0.9776 ≦ 1

From HFSS

simulated PD at sim.power.limit at (x, y, z)	calculated c
0.0025	0.0004
6.3083	0.9997

verify: contribution factors are match MGscript and HFSS

n258

Surface corresponding to worst 4cm2 PD value is **Left**

(x,y,z) = -0.03440m, -0.04441m, -0.08600m)

QTM #	Beam ID	Printed contribution factor "c"	backoff factor "b"
0	29	1.0000	0.9772
1	141	0.0046	0.9772

verify 1.0000 * 0.9772 + 0.0046 * 0.9772 = 0.9817 ≦ 1

From HFSS

simulated PD at sim.power.limit at (x, y, z)	calculated c
6.2912	0.9970
0.0289	0.0046

verify: contribution factors are match MGscript and HFSS

Qualcomm MGscript Verify #3 Verification via measurement

Measured 4cm^2 PD on worst surface and combined PD at worst-case location for PY7-46195Y device with 2 QTMs. The device should be measured at the reference power level and within the uncertainty at the reference power level.

distance:2mm

n261

QTM # (i)	Beam ID (j)	Dominant Surface	Printed contribution factor C(i,j)	input.power limit (before backoffs) [dBm]	Measured 4cm2 PD at input.power.limit on dominant surface [W/m2] (meas.PD(i,j))	**Combined PD at highest location [W/m2]**
0	33	Left	0.0031	5.54	4.36	= 0.0031 * 4.3554 + 1.0000 * 5.0969
1	148	Right	1.0000	5.94	5.10	**5.110**

Combined PD at highest location = C(0,33) * meas.PD(0,33)+ C(1,148) * meas.PD(1,148)

Total uncertainty at 6dBm is 0.63dB

PD_Design_Target + Uncertainty at reference Power Lovel 7.295 W/m2

Vefify : **Combined PD at highest location < PD_Design_Target + Uncertainty at reference Power Lovel**

n260

QTM # (i)	Beam ID (j)	Dominant Surface	Printed contribution factor C(i,j)	input.power limit (before backoffs) [dBm]	Measured 4cm2 PD at input.power.limit on dominant surface [W/m2] (meas.PD(i,j))	**Combined PD at highest location [W/m2]**
0	31	Left	0.0004	3.47	4.28	= 0.0004 * 4.2757 + 1.0000 * 5.0607
1	13	Right	1.0000	6.71	5.06	**5.062**

Combined PD at highest location = C(0,31) * meas.PD(0,31)+ C(1,13) * meas.PD(1,13)

Total uncertainty at 6dBm is 0.63dB

PD_Design_Target + Uncertainty at reference Power Lovel 7.295 W/m2

Vefify : **Combined PD at highest location < PD_Design_Target + Uncertainty at reference Power Lovel**

n258

QTM # (i)	Beam ID (j)	Dominant Surface	Printed contribution factor C(i,j)	input.power limit (before backoffs) [dBm]	Measured 4cm2 PD at input.power.limit on dominant surface [W/m2] (meas.PD(i,j))	**Combined PD at highest location [W/m2]**
0	29	Left	1.0000	0.43	2.56	= 1.0000 * 2.5621 + 0.0046 * 8.0994
1	141	Right	0.0046	9.68	8.10	**2.599**

Combined PD at highest location = C(0,29) * meas.PD(0,29)+ C(1,141) * meas.PD(1,141)

Total uncertainty at 6dBm is 0.63dB

PD_Design_Target + Uncertainty at reference Power Lovel 7.295 W/m2

Vefify : **Combined PD at highest location < PD_Design_Target + Uncertainty at reference Power Lovel**

3. Simulation results

This section shows the PD simulation results of ANT#0 and ANT#1 at 25GHz, 28GHz and 39GHz for each evaluation plane specified in Table 1 at two separation distances of 2mm. The ratio of PD exposure from front surface to the worst surface at 2mm, and the ratio of PD exposure at 2mm evaluation distance for each beam are also reported in this section to support RF exposure analysis for simultaneous transmission scenarios performed in Appendix D of 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 in 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 28GHz / 39GHz / 25GHz

3.1.1 PD simulation at 28GHz

Table 2 and Table 3 show the PD simulation evaluation of ANT#0 and ANT#1 patch antenna at 28GHz for the corresponding evaluation planes specified in Table 1.

Table 2.PD of ANT#0 – patch antenna (28GHz)

- ANT#0 Low CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
0	Patch	1	N/A	1	0.82	0.26	3.01	0.02	0.01	0.05	27.24%	8.64%	100.00%	0.66%	0.33%	1.66%	0.56	0.19	2.23	0.01	0.01	0.04	18.60%	6.31%	74.09%	0.33%	0.33%	1.33%
		3	N/A	1	0.98	0.18	3.62	0.02	0.01	0.09	27.07%	4.97%	100.00%	0.55%	0.28%	2.49%	0.65	0.14	2.37	0.02	0.01	0.08	17.96%	3.87%	65.47%	0.55%	0.28%	2.21%
		5	N/A	1	1.05	0.25	4.12	0.01	0.01	0.07	25.49%	6.07%	100.00%	0.24%	0.24%	1.70%	0.67	0.22	2.86	0.01	0.01	0.06	16.26%	5.34%	69.42%	0.24%	0.24%	1.46%
		7	N/A	1	1.13	0.22	4.22	0.02	0.01	0.07	26.78%	5.21%	100.00%	0.47%	0.24%	1.66%	0.73	0.17	3.01	0.01	0.01	0.06	17.30%	4.03%	71.33%	0.24%	0.24%	1.42%
		9	N/A	1	0.99	0.22	3.58	0.01	0	0.08	27.65%	6.15%	100.00%	0.28%	0.00%	2.23%	0.64	0.18	2.63	0.01	0	0.07	17.88%	5.03%	73.46%	0.28%	0.00%	1.96%
		14	N/A	2	1.74	0.6	6.97	0.05	0.02	0.13	24.96%	8.61%	100.00%	0.72%	0.29%	1.87%	1.2	0.4	4.96	0.03	0.02	0.11	17.22%	5.74%	71.16%	0.43%	0.29%	1.58%
		15	N/A	2	2.73	0.35	6.9	0.04	0.01	0.02	39.57%	5.07%	100.00%	0.58%	0.14%	0.29%	1.97	0.28	5.71	0.03	0.01	0.01	28.55%	4.06%	82.75%	0.43%	0.14%	0.14%
		16	N/A	2	1.96	0.49	5.81	0.04	0.01	0.17	33.73%	8.43%	100.00%	0.69%	0.17%	2.93%	1.36	0.4	4	0.03	0.01	0.16	23.41%	6.88%	68.85%	0.52%	0.17%	2.75%
		17	N/A	2	1.36	0.48	6.03	0.02	0.02	0.21	22.55%	7.96%	100.00%	0.50%	0.33%	3.48%	0.94	0.37	3.81	0.02	0.02	0.19	15.59%	6.14%	63.18%	0.33%	0.33%	3.15%
		21	N/A	2	2.73	0.69	9.03	0.04	0.01	0.01	30.23%	7.64%	100.00%	0.44%	0.11%	0.11%	1.89	0.56	6.98	0.03	0.01	0.01	20.93%	6.20%	77.30%	0.33%	0.11%	0.11%
		22	N/A	2	2.37	0.34	6.15	0.04	0.01	0.07	38.54%	5.53%	100.00%	0.65%	0.16%	1.14%	1.68	0.29	4.83	0.04	0.01	0.06	27.32%	4.72%	78.54%	0.65%	0.16%	0.98%
		23	N/A	2	1.2	0.53	6.24	0.03	0.01	0.24	19.23%	8.49%	100.00%	0.48%	0.16%	3.85%	0.8	0.42	3.45	0.02	0.01	0.23	12.82%	6.73%	55.29%	0.32%	0.16%	3.69%
		29	N/A	5	3.32	1.27	14.53	0.09	0.06	0.17	22.85%	8.74%	100.00%	0.34%	0.41%	1.17%	2.29	1.06	10.26	0.04	0.05	0.16	15.76%	7.30%	70.61%	0.28%	0.34%	1.10%
		30	N/A	5	7.93	2.25	20.72	0.07	0.01	0.05	38.27%	10.86%	100.00%	0.34%	0.05%	0.24%	5.91	1.81	17.05	0.05	0.01	0.05	28.52%	8.74%	82.29%	0.24%	0.05%	0.24%
		31	N/A	5	7.29	1.99	18	0.12	0.01	0.12	40.50%	11.06%	100.00%	0.67%	0.06%	0.67%	5.56	1.76	14.49	0.1	0.01	0.11	30.89%	9.78%	80.50%	0.56%	0.06%	0.61%
		32	N/A	5	7.76	2.51	18.89	0.09	0.02	0.23	41.08%	13.29%	100.00%	0.48%	0.11%	1.22%	5.93	2.09	15.13	0.08	0.01	0.17	31.39%	11.06%	80.10%	0.42%	0.05%	0.90%
		33	N/A	5	1.76	1.47	8.98	0.13	0.09	0.52	19.60%	16.37%	100.00%	1.45%	1.00%	5.79%	1.06	1.05	5.48	0.09	0.09	0.49	11.80%	11.69%	61.02%	1.00%	1.00%	5.46%
		38	N/A	5	6.97	2.36	22.21	0.06	0.02	0.08	31.38%	10.63%	100.00%	0.27%	0.09%	0.36%	5.01	1.83	17.6	0.05	0.02	0.07	22.56%	8.19%	79.24%	0.23%	0.09%	0.32%
		39	N/A	5	7.94	2.14	19.32	0.08	0.01	0.03	41.10%	11.08%	100.00%	0.41%	0.05%	0.16%	6.06	1.78	15.97	0.07	0.01	0.02	31.37%	9.21%	82.66%	0.36%	0.05%	0.10%
		40	N/A	5	7.44	2.14	17.65	0.13	0.02	0.12	42.15%	12.12%	100.00%	0.74%	0.11%	0.68%	5.65	1.87	14.07	0.11	0.01	0.11	32.01%	10.59%	79.72%	0.62%	0.06%	0.62%
		41	N/A	5	6.15	2.01	17.23	0.05	0.01	0.67	35.69%	11.67%	100.00%	0.29%	0.06%	3.89%	4.41	1.63	12.62	0.05	0.01	0.59	25.59%	9.46%	73.24%	0.29%	0.06%	3.42%
		129	N/A	1	0.86	0.17	3.11	0.02	0.01	0.03	27.65%	5.47%	100.00%	0.64%	0.32%	0.96%	0.57	0.13	2.36	0.02	0.01	0.03	18.33%	4.18%	75.88%	0.64%	0.32%	0.96%
		131	N/A	1	0.97	0.24	3.64	0.01	0	0.07	26.65%	6.59%	100.00%	0.27%	0.00%	1.92%	0.64	0.19	2.61	0.01	0	0.05	17.58%	5.22%	71.70%	0.27%	0.00%	1.37%
		133	N/A	1	1.19	0.2	4.07	0.02	0.01	0.05	29.24%	4.91%	100.00%	0.49%	0.25%	1.23%	0.75	0.17	2.77	0.01	0.01	0.05	19.41%	4.18%	68.06%	0.25%	0.25%	1.23%
		135	N/A	1	1.09	0.23	4.14	0.01	0.01	0.04	26.33%	5.56%	100.00%	0.24%	0.24%	0.97%	0.72	0.19	2.76	0.01	0.01	0.03	17.39%	4.59%	66.67%	0.24%	0.24%	0.72%
		137	N/A	1	1.24	0.17	3.88	0.02	0.01	0.04	31.96%	4.38%	100.00%	0.52%	0.26%	1.03%	0.8	0.15	2.75	0.01	0.01	0.04	20.62%	3.87%	70.88%	0.26%	0.26%	1.03%
		142	N/A	2	1.65	0.38	5.18	0.06	0.01	0.08	31.85%	7.34%	100.00%	1.16%	0.19%	1.54%	1.16	0.33	3.7	0.04	0.01	0.07	22.39%	6.37%	71.43%	0.77%	0.19%	1.35%
		143	N/A	2	2.54	0.49	7.42	0.04	0.01	0.01	34.23%	6.60%	100.00%	0.54%	0.13%	0.13%	1.81	0.43	6.05	0.03	0.01	0.01	24.39%	5.66%	81.54%	0.40%	0.13%	0.13%
		144	N/A	2	2.62	0.56	8.3	0.02	0.01	0.09	31.57%	6.75%	100.00%	0.24%	0.12%	1.08%	1.85	0.47	6.49	0.02	0.03	0.08	22.29%	5.66%	78.19%	0.24%	0.00%	0.96%
		145	N/A	2	2.17	0.63	7.58	0.03	0.02	0.15	28.63%	8.31%	100.00%	0.40%	0.26%	1.98%	1.48	0.51	5.7	0.02	0.02	0.13	19.53%	6.73%	75.20%	0.26%	0.26%	1.72%
		149	N/A	2	3.08	0.46	8.35	0.03	0.03	0.02	36.89%	5.51%	100.00%	0.36%	0.36%	0.24%	2.13	0.39	6.14	0.02	0.03	0.02	25.51%	4.67%	73.53%	0.24%	0.36%	0.24%
		150	N/A	2	2.69	0.53	8.22	0.03	0.01	0.05	32.73%	6.45%	100.00%	0.36%	0.12%	0.61%	1.9	0.46	6.61	0.02	0	0.05	23.11%	5.60%	80.41%	0.24%	0.00%	0.61%
		151	N/A	2	2.18	0.57	7.47	0.02	0.01	0.15	29.18%	7.63%	100.00%	0.27%	0.13%	2.01%	1.52	0.48	5.56	0.01	0.01	0.13	20.35%	6.43%	74.43%	0.13%	0.13%	1.74%
		157	N/A	5	6.43	1.76	17.54	0.11	0.05	0.06	36.66%	10.03%	100.00%	0.63%	0.29%	0.34%	4.48	1.47	12.47	0.09	0.05	0.05	25.54%	8.38%	71.09%	0.46%	0.29%	0.29%
		158	N/A	5	8.32	1.97	18.19	0.1	0.01	0.06	45.74%	10.83%	100.00%	0.55%	0.05%	0.33%	6.33	1.58	14.79	0.09	0.01	0.04	34.80%	8.69%	81.31%	0.49%	0.05%	0.22%
		159	N/A	5	8.77	2.31	20.77	0.07	0.01	0.04	42.22%	11.12%	100.00%	0.34%	0.05%	0.19%	6.64	1.89	17.12	0.06	0.01	0.03	31.97%	9.10%	82.43%	0.29%	0.05%	0.14%
		160	N/A	5	7.51	3.03	23.78	0.06	0.01	0.38	31.58%	12.74%	100.00%	0.25%	0.04%	1.60%	5.45	2.6	18.6	0.04	0.01	0.31	22.92%	10.93%	78.22%	0.17%	0.04%	1.30%
		161	N/A	5	2.85	1.32	12.71	0.12	0.02	0.67	22.42%	10.39%	100.00%	0.94%	0.16%	5.27%	1.86	1.03	9.32	0.09	0.02	0.58	14.63%	8.03%	73.33%	0.71%	0.16%	4.56%
		166	N/A	5	7.78	1.9	18.6	0.1	0.02	0.04	41.83%	10.22%	100.00%	0.54%	0.11%	0.22%	5.71	1.6	14.72	0.09	0.02	0.03	30.70%	8.60%	79.14%	0.48%	0.11%	0.16%
		167	N/A	5	8.61	2.08	19.28	0.1	0.01	0.04	44.66%	10.79%	100.00%	0.52%	0.05%	0.21%	6.6	1.7	15.73	0.08	0.01	0.04	34.23%	8.82%	81.59%	0.41%	0.05%	0.21%
		168	N/A	5	8.51	2.48	22.69	0.06	0.01	0.08	37.51%	10.93%	100.00%	0.26%	0.04%	0.35%	6.24	2.2	18.38	0.05	0.01	0.06	27.50%	9.70%	81.00%	0.22%	0.04%	0.26%
		169	N/A	5	5.17	2.64	20.28	0.08	0.02	0.81	25.49%	13.02%	100.00%	0.39%	0.10%	3.99%	3.73	2.13	15.05	0.06	0.02	0.7	18.39%	10.50%	74.21%	0.30%	0.10%	3.45%
		1	129	2	1.99	0.62	7.87	0.08	0.01	0.12	25.29%	7.88%	100.00%	1.02%	0.13%	1.52%	1.34	0.46	6.15	0.05	0.01	0.12	17.03%	5.84%	78.14%	0.64%	0.13%	1.52%
		3	131	2	2.73	0.61	8.31	0.06	0.02	0.21	32.69%	7.31%	100.00%	0.72%	0.24%	2.51%	1.82	0.49	5.47	0.05	0.02	0.19	21.80%	5.87%	65.51%	0.60%	0.24%	2.28%
		5	133	2	3.1	0.47	9.27	0.06	0.02	0.18	33.44%	5.07%	100.00%	0.65%	0.22%	1.94%	2.01	0.42	5.95	0.04	0.02	0.17	21.68%	4.53%	64.19%	0.43%	0.22%	1.83%
		7	135	2	3.06	0.62	9.42	0.04	0.03	0.14	32.48%	6.58%	100.00%	0.42%	0.32%	1.49%	2.03	0.5	6.18	0.03	0.03	0.12	21.55%	5.31%	65.61%	0.32%	0.32%	1.27%
		9	137	2	2.83	0.44	7.88	0.05	0.02	0.16	35.91%	5.58%	100.00%	0.63%	0.25%	2.03%	1.86	0.36	5.77	0.04	0.02	0.14	23.60%	4.57%	73.22%	0.51%	0.25%	1.78%
		14	142	4	3.65	1.03	12.08	0.15	0.05	0.19	30.22%	8.53%	100.00%	1.24%	0.41%	1.57%	2.59	0.82	9.02	0.1	0.05	0.16	21.44%	6.79%	74.67%	0.83%	0.41%	1.32%
		15	143	4	6.3	1.22	18.18	0.13	0.03	0.05	33.59%	6.72%	100.00%	0.72%	0.17%	0.28%	4.48	1.05	15.36	0.11	0.03	0.04	24.72%	5.78%	84.58%	0.61%	0.17%	0.22%
		16	144	4	5.47	1.3	16.5	0.08	0.03	0.41	33.15%	7.88%	100.00%	0.48%	0.18%	2.48%	3.89	1.08	12.4	0.05	0.03	0.38	23.58%	6.55%	75.15%	0.30%	0.18%	2.30%
		17	145	4	3.98	1.21	15.44	0.08	0.08	0.5	25.78%	7.84%	100.00%	0.52%	0.52%	3.24%	2.5	1.02	9.71	0.09	0.07	0.44	16.19%	6.61%	62.89%	0.32%	0.45%	2.85%
		21	149	4	8.12	1.35	19.7	0.13	0.06	0.04	41.22%	6.85%	100.00%	0.66%	0.30%	0.20%	5.69	1.04	14.36	0.09	0.05	0.04	28.88%	5.28%	72.89%	0.46%	0.25%	0.20%
		22	150	4	6.11	1.18	16.85	0.11	0.03	0.18	36.26%	7.00%	100.00%	0.65%	0.18%	1.07%	4.46	1.01	14.07	0.08	0.03	0.17	26.47%	5.99%	83.50%	0.47%	0.18%	1.01%
		23	151	4	3.97	1.55	18.03	0.07	0.04	0.6	22.02%	8.60%	100.00%	0.39%	0.22%	3.33%	2.71	1.28	11.63	0.05	0.04	0.56	15.03%	7.10%	64.50%	0.28%	0.22%	3.11%
		29	157	10	11.21	3.88	38.01	0.24	0.14	0.26	29.49%	10.21%	100.00%	0.63%	0.37%	0.68%	7.66	3.29	28.22	0.16	0.13	0.23	20.15%	8.66%	74.24%	0.42%	0.34%	0.61%
		30	158	10	20.92	5.51	41.43	0.29	0.02	0.12	50.49%	13.30%	100.00%	0.70%	0.05%	0.29%	16.01	4.44	35.05	0.24	0.02	0.1	38.64%	10.72%	84.60%	0.58%	0.05%	0.24%
		31	159	10	19.71	5.61	41.55	0.34	0.02	0.23	47.44%	13.50%	100.00%	0.82%	0.05%	0.55%	15.25	4.67	35.71	0.29	0.02	0.22	36.70%	11.24%	85.94%	0.70%	0.05%	0.53%
		32	160	10	20	6.87	50.28	0.22	0.04	0.73	39.78%	13.66%	100.00%	0.44%	0.08%	1.45%	14.66	5.86	39.88	0.19	0.03	0.59	29.16%	11.65%	79.34%	0.38%	0.06%	1.17%
		33	161	10	5.08	2.71	25.53	0.34	0.15	1.6	19.90%	10.61%	100.00%	1.33%	0.59%	6.27%	3.35	2.18	17.79	0.21	0.14	1.46	13.12%	8.54%	69.68%	0.82%	0.55%	5.72%
		38	166	10	19.98	5.2	45.72	0.27	0.05	0.17	43.66%	11.37%	100.00%	0.59%	0.11%	0.37%	14.53	4.08	36.14	0.23	0.05	0.15	31.74%	8.92%	79.05%	0.50%	0.11%	0.33%
		39	167	10	20.77	5.54	41.44	0.33	0.02	0.11	50.12%	13.37%	100.00%	0.80%	0.05%	0.27%	16.23	4.54	35.66	0.28	0.02	0.1	39.17%	10.96%	86.05%	0.68%	0.05%	0.24%
		40	168	10	20	5.5	43.1	0.31	0.03	0.28	46.40%	12.76%	100.00%	0.72%	0.07%	0.65%	15.11	4.8	36	0.26	0.03	0.25	35.06%	11.14%	83.53%	0.60%	0.07%	0.58%
		41	169	10	13.22	6.78	46.92	0.21	0.03	2.13	28.18%	14.45%	100.00%	0.45%	0.06%	4.54%	9	5.57	34.83	0.17	0.03	1.9	19.18%	11.87%	74.23%	0.36%	0.06%	4.05%

- ANT#0 Mid CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
0	Patch	1	N/A	1	0.81	0.27	3.11	0.02	0	0.03	26.05%	8.68%	100.00%	0.64%	0.00%	0.96%	0.54	0.2	2.38	0.01	0	0.03	17.36%	6.43%	76.53%	0.32%	0.00%	0.96%
		3	N/A	1	1.03	0.22	3.62	0.03	0.01	0.09	28.45%	6.08%	100.00%	0.83%	0.28%	2.49%	0.68	0.17	2.37	0.02	0.01	0.08	18.78%	4.70%	65.47%	0.55%	0.28%	2.21%
		5	N/A	1	1.12	0.25	4.22	0.01	0.01	0.06	26.54%	5.92%	100.00%	0.24%	0.24%	1.42%	0.73	0.22	3	0.01	0.01	0.05	17.30%	5.21%	71.09%	0.24%	0.24%	1.18%
		7	N/A	1	1.13	0.22	4.08	0.01	0.01	0.07	27.70%	5.39%	100.00%	0.25%	0.25%	1.72%	0.75	0.18	2.96	0.01	0.01	0.06	18.38%	4.41%	72.55%	0.25%	0.25%	1.47%
		9	N/A	1	0.9	0.19	3.25	0.01	0	0.07	27.69%	5.85%	100.00%	0.31%	0.00%	2.15%	0.58	0.15	2.39	0.01	0	0.07	17.85%	4.62%	73.54%	0.31%	0.00%	2.15%
		14	N/A	2	1.76	0.7	7.3	0.03	0.02	0.13	24.79%	9.86%	100.00%	0.42%	0.28%	1.83%	1.21	0.47	4.98	0.03	0.02	0.12	17.04%	6.62%	70.14%	0.42%	0.28%	1.69%
		15	N/A	2	2.62	0.39	6.85	0.06	0.01	0.03	38.25%	5.69%	100.00%	0.88%	0.15%	0.44%	1.87	0.27	5.67	0.05	0.01	0.02	27.30%	3.94%	82.77%	0.73%	0.15%	0.29%
		16	N/A	2	2.06	0.54	5.92	0.06	0.01	0.14	34.80%	9.12%	100.00%	1.01%	0.17%	2.36%	1.4	0.39	4.15	0.04	0.01	0.13	23.65%	6.59%	70.10%	0.68%	0.17%	2.20%
		17	N/A	2	1.16	0.43	5.24	0.03	0.02	0.21	22.14%	8.21%	100.00%	0.57%	0.38%	4.01%	0.8	0.34	3.3	0.02	0.02	0.19	15.27%	6.49%	62.98%	0.38%	0.38%	3.63%
		21	N/A	2	2.73	0.7	9.01	0.03	0.01	0.02	30.30%	7.77%	100.00%	0.33%	0.11%	0.22%	1.92	0.57	6.98	0.02	0.01	0.02	21.31%	6.33%	77.47%	0.22%	0.11%	0.22%
		22	N/A	2	2.38	0.36	6.18	0.07	0.01	0.06	38.51%	5.83%	100.00%	1.13%	0.16%	0.97%	1.66	0.26	4.92	0.05	0.01	0.06	26.86%	4.21%	79.61%	0.81%	0.16%	0.97%
		23	N/A	2	1.35	0.62	6.4	0.04	0.01	0.2	21.09%	9.84%	100.00%	0.63%	0.16%	3.13%	0.9	0.48	3.69	0.03	0.01	0.15	14.06%	7.19%	57.66%	0.47%	0.16%	2.97%
		29	N/A	5	3.76	1.54	15.34	0.08	0.08	0.18	24.51%	10.04%	100.00%	0.52%	0.52%	1.17%	2.6	1.3	10.82	0.06	0.07	0.15	16.95%	8.47%	70.53%	0.39%	0.46%	0.98%
		30	N/A	5	7.86	2.2	20.28	0.08	0.01	0.06	38.76%	10.85%	100.00%	0.39%	0.05%	0.30%	5.91	1.76	16.69	0.06	0.01	0.05	29.14%	8.68%	82.30%	0.30%	0.05%	0.25%
		31	N/A	5	7.82	1.84	18.55	0.16	0.01	0.1	42.16%	9.92%	100.00%	0.86%	0.05%	0.54%	5.97	1.69	15.23	0.12	0.01	0.09	32.18%	8.89%	82.10%	0.65%	0.05%	0.49%
		32	N/A	5	8.13	2.29	18.89	0.09	0.01	0.29	43.04%	12.12%	100.00%	0.48%	0.05%	1.54%	6.2	1.92	15.26	0.09	0.01	0.22	32.82%	10.16%	80.78%	0.42%	0.05%	1.16%
		33	N/A	5	1.44	1.7	8.92	0.17	0.09	0.43	16.14%	19.06%	100.00%	1.91%	1.01%	4.82%	0.94	1.22	5.08	0.13	0.09	0.41	10.54%	13.68%	56.95%	1.46%	1.01%	4.60%
		38	N/A	5	6.89	2.52	22.35	0.07	0.02	0.05	30.83%	11.28%	100.00%	0.31%	0.09%	0.22%	4.58	1.88	17.62	0.05	0.02	0.05	22.28%	8.41%	78.84%	0.22%	0.09%	0.22%
		39	N/A	5	8.07	2.08	19.47	0.11	0.01	0.05	41.45%	10.68%	100.00%	0.56%	0.05%	0.26%	6.22	1.74	16.17	0.08	0.01	0.04	31.95%	8.94%	83.05%	0.41%	0.05%	0.21%
		40	N/A	5	7.71	1.87	17.46	0.14	0.01	0.11	44.16%	10.71%	100.00%	0.80%	0.06%	0.63%	5.86	1.62	14.22	0.12	0.01	0.09	33.56%	9.28%	81.44%	0.69%	0.06%	0.52%
		41	N/A	5	6.69	1.97	17.33	0.06	0.01	0.71	38.60%	11.37%	100.00%	0.35%	0.06%	4.10%	4.77	1.62	12.83	0.05	0	0.62	27.52%	9.35%	74.03%	0.29%	0.00%	3.58%
		129	N/A	1	0.83	0.19	3.11	0.03	0.01	0.04	26.69%	6.11%	100.00%	0.96%	0.32%	1.29%	0.55	0.15	2.38	0.02	0	0.04	17.68%	4.82%	76.53%	0.64%	0.00%	1.29%
		131	N/A	1	1	0.23	3.63	0.02	0	0.06	27.40%	6.30%	100.00%	0.55%	0.00%	1.64%	0.67	0.15	2.66	0.02	0	0.05	18.36%	5.21%	72.88%	0.55%	0.00%	1.37%
		133	N/A	1	1.2	0.2	4.18	0.02	0.01	0.07	28.71%	4.78%	100.00%	0.48%	0.24%	1.67%	0.79	0.17	2.82	0.01	0.01	0.06	18.90%	4.07%	67.46%	0.24%	0.24%	1.44%
		135	N/A	1	1.1	0.25	4.29	0.01	0.01	0.06	25.64%	5.83%	100.00%	0.23%	0.23%	1.40%	0.73	0.21	2.84	0.01	0.01	0.05	17.02%	4.90%	66.20%	0.23%	0.23%	1.17%
		137	N/A	1	1.27	0.19	3.99	0.01	0.01	0.05	31.83%	4.76%	100.00%	0.25%	0.25%	1.25%	0.83	0.16	2.87	0.01	0.01	0.05	20.80%	4.01%	71.93%	0.25%	0.25%	1.25%
		142	N/A	2	1.6	0.46	5.21	0.09	0.01	0.1	30.71%	8.83%	100.00%	1.73%	0.19%	1.92%	1.14	0.4	3.69	0.06	0.01	0.08	21.88%	7.68%	70.83%	1.15%	0.19%	1.54%
		143	N/A	2	2.52	0.47	7.25	0.06	0.01	0.04	34.76%	6.48%	100.00%	0.83%	0.14%	0.55%	1.79	0.4	5.97	0.04	0.01	0.03	24.69%	5.52%	82.34%	0.55%	0.14%	0.41%
		144	N/A	2	2.61	0.53	8.33	0.02	0	0.1	31.33%	6.36%	100.00%	0.24%	0.00%	1.20%	1.84	0.44	6.6	0.01	0.00	0.09	22.09%	5.28%	79.23%	0.12%	0.00%	1.08%
		145	N/A	2	2.36	0.68	8.09	0.02	0.02	0.2	29.17%	8.41%	100.00%	0.25%	0.25%	2.47%	1.62	0.55	6.21	0.02	0.02	0.17	20.02%	6.80%	76.76%	0.25%	0.25%	2.10%
		149	N/A	2	3.16	0.46	8.51	0.03	0.03	0.03	37.13%	5.41%	100.00%	0.35%	0.35%	0.35%	2.18	0.38	6.21	0.03	0.03	0.02	25.62%	4.47%	72.97%	0.24%	0.35%	0.24%
		150	N/A	2	2.71	0.49	8.17	0.03	0	0.07	33.17%	6.00%	100.00%	0.37%	0.00%	0.86%	1.91	0.39	6.66	0.02	0	0.06	23.38%	4.77%	81.52%	0.24%	0.00%	0.73%
		151	N/A	2	2.14	0.57	7.2	0.02	0.01	0.14	28.16%	7.50%	100.00%	0.26%	0.13%	1.84%	1.5	0.47	5.68	0.02	0.01	0.12	19.74%	6.18%	74.74%	0.26%	0.13%	1.58%
		157	N/A	5	6.35	1.85	17.78	0.13	0.05	0.14	35.71%	10.63%	100.00%	0.73%	0.28%	0.79%	4.46	1.62	12.54	0.08	0.04	0.12	25.08%	9.11%	70.53%	0.45%	0.22%	0.67%
		158	N/A	5	8.06	1.93	17.84	0.11	0.01	0.07	45.18%	10.82%	100.00%	0.62%	0.06%	0.39%	6.14	1.51	14.49	0.08	0.01	0.06	34.42%	8.46%	81.22%	0.45%	0.06%	0.34%
		159	N/A	5	8.83	2.27	20.94	0.07	0.01	0.05	42.17%	10.84%	100.00%	0.33%	0.05%	0.24%	6.7	1.82	17.2	0.06	0.01	0.04	32.00%	8.69%	82.14%	0.29%	0.05%	0.19%
		160	N/A	5	7.62	2.94	24.05	0.06	0.01	0.43	31.68%	12.22%	100.00%	0.25%	0.04%	1.79%	5.54	2.55	18.85	0.04	0.01	0.34	23.04%	10.60%	78.38%	0.17%	0.04%	1.41%
		161	N/A	5	3.41	1.45	14.08	0.06	0.03	0.82	24.22%	10.30%	100.00%	0.43%	0.21%	5.82%	2.24	1.19	10.42	0.05	0.02	0.71	15.91%	8.45%	74.01%	0.36%	0.14%	5.04%
		166	N/A	5	7.99	2.02	19.13	0.08	0.02	0.07	41.77%	10.56%	100.00%	0.42%	0.10%	0.37%	5.92	1.75	15.02	0.07	0.02	0.06	30.95%	9.15%	78.52%	0.37%	0.10%	0.31%
		167	N/A	5	8.46	1.97	19.14	0.1	0.01	0.06	44.20%	10.29%	100.00%	0.52%	0.05%	0.31%	6.54	1.53	15.54	0.07	0.01	0.05	34.17%	7.99%	81.19%	0.37%	0.05%	0.26%
		168	N/A	5	8.67	2.43	22.74	0.05	0	0.1	38.13%	10.69%	100.00%	0.22%	0.00%	0.44%	6.38	2.14	18.48	0.05	0	0.08	28.06%	9.50%	81.27%	0.22%	0.00%	0.35%
		169	N/A	5	5.57	2.65	21.44	0.05	0.01	0.96	25.98%	12.36%	100.00%	0.23%	0.05%	4.48%	4.03	2.14	16.05	0.04	0.01	0.8	18.80%	9.98%	74.86%	0.19%	0.05%	3.73%
		1	129	2	2.02	0.82	8.11	0.08	0.01	0.09	24.91%	7.64%	100.00%	0.99%	0.12%	1.11%	1.34	0.45	6.43	0.06	0.01	0.08	16.52%	5.55%	79.28%	0.74%	0.12%	0.99%
		3	131	2	2.86	0.74	8.35	0.1	0.02	0.26	34.25%	8.86%	100.00%	1.20%	0.24%	3.11%	1.56	0.6	5.48	0.07	0.02	0.23	23.23%	7.19%	65.63%	0.84%	0.24%	2.75%
		5	133	2	3.27	0.44	9.3	0.05	0.03	0.2	34.42%	4.63%	100.00%	0.53%	0.32%	2.11%	2.14	0.39	6.17	0.04	0.03	0.18	22.53%	4.11%	64.95%	0.42%	0.32%	1.89%
		7	135	2	3.07	0.6	9.29	0.03	0.03	0.14	33.05%	6.46%	100.00%	0.32%	0.32%	1.51%	2.1	0.5	6.07	0.03	0.03	0.12	22.60%	5.38%	65.34%	0.32%	0.32%	1.29%
		9	137	2	2.89	0.42	7.78	0.05	0.02	0.16	37.15%	5.40%	100.00%	0.64%	0.26%	2.06%	1.89	0.37	5.7	0.04	0.02	0.14	24.29%	4.76%	73.26%	0.51%	0.26%	1.80%
		14	142	4	3.73	1.42	12.18	0.13	0.05	0.24	30.62%	11.66%	100.00%	1.07%	0.41%	1.97%	2.69	1.06	8.91	0.09	0.05	0.21	22.09%	8.70%	73.15%	0.74%	0.41%	1.72%
		15	143	4	5.91	1.21	17.79	0.24	0.02	0.12	33.22%	6.80%	100.00%	1.35%	0.11%	0.67%	4.34	0.99	15.12	0.19	0.02	0.09	24.40%	5.56%	84.99%	0.90%	0.11%	0.51%
		16	144	4	5.37	1.49	16.8	0.11	0.03	0.4	31.96%	8.87%	100.00%	0.65%	0.18%	2.38%	3.77	1.06	12.91	0.08	0.03	0.36	22.44%	6.31%	76.85%	0.48%	0.18%	2.14%
		17	145	4	3.86	1.25	14.44	0.08	0.06	0.48	26.73%	8.66%	100.00%	0.55%	0.42%	3.32%	2.44	1.1	9.36	0.07	0.06	0.43	16.90%	7.62%	64.82%	0.48%	0.42%	2.98%
		21	149	4	8.23	1.5	19.92	0.09	0.06	0.05	41.52%	7.57%	100.00%	0.45%	0.30%	0.25%	5.86	1.18	14.51	0.07	0.06	0.05	29.57%	5.95%	73.21%	0.35%	0.30%	0.25%
		22	150	4	6.04	1.21	16.87	0.17	0.03	0.21	35.80%	7.17%	100.00%	1.01%	0.18%	1.24%	4.37	0.99	14.27	0.13	0.03	0.18	25.90%	5.87%	84.59%	0.77%	0.18%	1.07%
		23	151	4	3.52	1.32	18.09	0.1	0.04	0.56	21.67%	8.40%	100.00%	0.55%	0.22%	3.10%	2.64	1.24	11.78	0.07	0.04	0.51	14.59%	6.85%	65.12%	0.39%	0.22%	2.82%
		29	157	10	11.78	4.59	40.39	0.24	0.16	0.26	29.19%	11.38%	100.00%	0.59%	0.40%	0.64%	8.25	3.97	29.44	0.18	0.16	0.24	20.45%	9.71%	72.96%	0.45%	0.40%	0.59%
		30	158	10	20.5	5.6	41.98	0.34	0.03	0.14	48.86%	13.35%	100.00%	0.81%	0.07%	0.33%	15.83	4.54	35.52	0.24	0.02	0.12	37.73%	10.82%	84.65%	0.57%	0.05%	0.29%
		31	159	10	20.71	5.58	42.61	0.42	0.02	0.21	48.60%	13.10%	100.00%	0.99%	0.05%	0.49%	16.05	4.65	36.84	0.34	0.02	0.18	37.67%	10.91%	86.46%	0.80%	0.05%	0.42%
		32	160	10	20.8	6.17	49.31	0.22	0.02	0.76	42.18%	12.51%	100.00%	0.45%	0.04%	1.54%	15.33	5.28	39.28	0.18	0.02	0.62	31.09%	10.71%	79.66%	0.37%	0.04%	1.26%
		33	161	10	4.96	3.12	25.76	0.32	0.15	1.87	19.25%	12.11%	100.00%	1.24%	0.58%	7.26%	3.12	2.56	17.11	0.25	0.14	1.67	12.15%	9.94%	68.75%	0.97%	0.54%	6.48%
		38	166	10	20.21	5.31	45.69	0.23	0.05	0.16	44.33%	11.65%	100.00%	0.50%	0.11%	0.35%	14.96	4.3	35.72	0.18	0.04	0.13	32.81%	9.43%	78.35%	0.39%	0.09%	0.29%
		39	167	10	20.93	5.53	41.7	0.39	0.02	0.13	50.19%	13.26%	100.00%	0.94%	0.05%	0.31%	16.61	4.51	35.97	0.27	0.02	0.11	39.83%	10.82%	86.26%	0.65%	0.05%	0.26%
		40	168	10	20.55	5.24	43.03	0.33	0.02	0.26	47.76%	12.18%	100.00%	0.77%	0.05%	0.60%	15.5	4.59	36.47	0.28	0.02	0.23	36.02%	10.67%	84.75%	0.65%	0.05%	0.53%
		41	169	10	15.05	6.4	47.26	0.13	0.03	2.09	31.83%	13.54%	100.00%	0.27%	0.06%	4.42%	10.36	5.24	34.94	0.1	0.03	1.83	21.91%	11.08%	73.90%	0.21%	0.06%	3.87%

- ANT#0 High CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
		1	N/A	1	0.86	0.3	3.26	0.02	0.01	0.03	26.38%	9.20%	100.00%	0.61%	0.31%	0.92%	0.56	0.24	2.5	0.02	0	0.03	17.18%	7.36%	76.69%	0.61%	0.00%	0.92%
		3	N/A	1	0.97	0.22	3.62	0.03	0.01	0.09	26.80%	6.08%	100.00%	0.83%	0.28%	2.49%	0.64	0.18	2.41	0.02	0.01	0.08	17.68%	4.97%	66.57%	0.55%	0.28%	2.21%
		5	N/A	1	1.09	0.22	4.11	0.01	0.01	0.05	26.52%	5.35%	100.00%	0.24%	0.24%	1.22%	0.71	0.2	3.01	0.01	0.01	0.05	17.27%	4.87%	73.24%	0.24%	0.24%	1.22%
		7	N/A	1	1.17	0.24	4.02	0.01	0.01	0.07	29.10%	5.97%	100.00%	0.25%	0.25%	1.74%	0.79	0.2	2.94	0.01	0.01	0.07	19.65%	4.98%	73.13%	0.25%	0.25%	1.74%
		9	N/A	1	0.95	0.19	3.44	0.01	0	0.08	27.62%	5.52%	100.00%	0.29%	0.00%	2.33%	0.62	0.15	2.55	0.01	0	0.07	18.02%	4.36%	74.13%	0.29%	0.00%	2.03%
		14	N/A	2	1.69	0.66	7.05	0.03	0.02	0.13	23.97%	9.36%	100.00%	0.43%	0.28%	1.84%	1.16	0.44	4.93	0.02	0.02	0.12	16.45%	6.24%	69.93%	0.28%	0.28%	1.70%
		15	N/A	2	2.55	0.39	6.89	0.06	0.02	0.03	37.01%	5.66%	100.00%	0.73%	0.29%	0.44%	1.84	0.28	5.71	0.04	0.02	0.03	26.71%	4.06%	82.87%	0.58%	0.29%	0.44%
		16	N/A	2	1.98	0.43	6.01	0.06	0.01	0.14	32.95%	7.15%	100.00%	1.00%	0.17%	2.33%	1.35	0.36	4.24	0.04	0.01	0.13	22.13%	5.99%	70.55%	0.67%	0.17%	2.16%
		17	N/A	2	1.19	0.47	5.45	0.02	0.02	0.23	21.83%	8.62%	100.00%	0.37%	0.37%	4.22%	0.83	0.39	3.4	0.01	0.02	0.21	15.23%	7.16%	62.39%	0.18%	0.37%	3.85%
		21	N/A	2	2.67	0.69	8.88	0.02	0.01	0.02	30.07%	7.77%	100.00%	0.23%	0.11%	0.23%	1.87	0.57	6.88	0.02	0.01	0.02	21.06%	6.42%	77.48%	0.23%	0.11%	0.23%
		22	N/A	2	2.24	0.32	6.22	0.06	0.01	0.06	36.01%	5.14%	100.00%	0.96%	0.16%	0.96%	1.59	0.24	4.58	0.04	0.01	0.06	25.56%	3.86%	80.06%	0.64%	0.16%	0.96%
		23	N/A	2	1.42	0.54	6.58	0.08	0.02	0.19	21.49%	8.23%	100.00%	0.76%	0.30%	2.90%	0.96	0.45	3.94	0.06	0.02	0.18	14.33%	6.86%	60.06%	0.61%	0.30%	2.74%
		29	N/A	1	3.92	1.51	15.63	0.1	0.1	0.22	25.08%	9.66%	100.00%	0.64%	0.64%	1.41%	2.73	1.25	11.59	0.07	0.09	0.19	17.47%	8.00%	74.15%	0.45%	0.58%	1.22%
		30	N/A	1	7.81	2.15	20.19	0.09	0.01	0.04	38.68%	10.65%	100.00%	0.45%	0.05%	0.20%	5.9	1.75	16.72	0.06	0.01	0.04	29.22%	8.67%	82.81%	0.30%	0.05%	0.20%
		31	N/A	1	7.68	1.88	18.88	0.14	0.01	0.08	40.68%	9.96%	100.00%	0.74%	0.05%	0.42%	5.86	1.57	15.65	0.1	0.01	0.07	31.04%	8.32%	82.89%	0.53%	0.05%	0.37%
		32	N/A	1	8.08	2.1	18.63	0.09	0.01	0.28	43.37%	11.27%	100.00%	0.48%	0.05%	1.50%	6.17	1.79	15.16	0.08	0.01	0.23	33.12%	9.61%	81.37%	0.43%	0.05%	1.23%
		33	N/A	1	1.49	1.49	8.79	0.11	0.09	0.39	16.95%	16.95%	100.00%	1.25%	1.02%	4.44%	0.99	1.09	5.26	0.09	0.09	0.36	11.26%	12.40%	59.84%	1.02%	1.02%	4.10%
		38	N/A	1	7.27	2.56	22.47	0.08	0.02	0.05	32.35%	11.39%	100.00%	0.27%	0.09%	0.22%	5.26	1.99	17.85	0.06	0.02	0.05	23.32%	8.86%	79.44%	0.22%	0.09%	0.22%
		39	N/A	1	7.53	2.06	19.15	0.1	0.01	0.03	39.32%	10.76%	100.00%	0.52%	0.05%	0.16%	5.77	1.71	16.08	0.07	0.01	0.03	30.13%	8.93%	83.97%	0.37%	0.05%	0.16%
		40	N/A	1	7.66	1.83	17.59	0.13	0.01	0.09	43.55%	10.40%	100.00%	0.74%	0.06%	0.51%	5.82	1.54	14.45	0.1	0.01	0.08	33.09%	8.75%	82.15%	0.57%	0.06%	0.45%
		41	N/A	1	7.24	1.86	17.86	0.06	0.01	0.77	40.54%	10.36%	100.00%	0.34%	0.06%	4.31%	5.19	1.57	13.42	0.05	0.01	0.66	29.06%	8.79%	75.14%	0.28%	0.06%	3.70%
		129	N/A	1	0.85	0.19	3.19	0.02	0.01	0.03	26.65%	5.96%	100.00%	0.63%	0.31%	0.94%	0.56	0.13	2.46	0.01	0.01	0.03	17.55%	4.08%	77.12%	0.31%	0.31%	0.94%
		131	N/A	1	0.93	0.22	3.51	0.02	0.01	0.05	27.07%	6.27%	100.00%	0.57%	0.28%	1.42%	0.63	0.15	2.57	0.01	0.01	0.04	17.95%	5.41%	73.22%	0.28%	0.28%	1.14%
		133	N/A	1	1.17	0.2	4.2	0.01	0.01	0.07	27.86%	4.76%	100.00%	0.24%	0.24%	1.67%	0.76	0.17	2.78	0.01	0.01	0.06	18.10%	4.05%	66.19%	0.24%	0.24%	1.43%
		135	N/A	1	1.08	0.22	4.28	0.01	0.02	0.07	25.23%	5.37%	100.00%	0.23%	0.47%	1.64%	0.72	0.19	2.79	0.01	0.01	0.06	16.82%	4.44%	65.19%	0.23%	0.23%	1.40%
		137	N/A	1	1.31	0.19	4.13	0.01	0.01	0.06	31.72%	4.60%	100.00%	0.24%	0.24%	1.45%	0.85	0.16	3	0.01	0.01	0.05	20.58%	3.87%	72.64%	0.24%	0.24%	1.21%
		142	N/A	2	1.68	0.4	5.2	0.06	0.02	0.09	32.31%	7.69%	100.00%	1.15%	0.38%	1.73%	1.2	0.33	3.73	0.04	0.02	0.07	23.08%	6.15%	71.73%	0.77%	0.38%	1.35%
		143	N/A	2	2.47	0.51	7.59	0.09	0	0.03	34.35%	7.09%	100.00%	0.70%	0.00%	0.42%	1.76	0.37	5.98	0.03	0	0.03	24.48%	5.15%	83.17%	0.42%	0.00%	0.28%
		144	N/A	2	2.53	0.52	8.17	0.01	0	0.1	30.97%	6.36%	100.00%	0.12%	0.00%	1.22%	1.79	0.37	6.54	0.01	0.00	0.09	21.91%	4.53%	80.05%	0.12%	0.00%	1.10%
		145	N/A	2	2.39	0.65	8.21	0.01	0.02	0.21	29.11%	7.92%	100.00%	0.12%	0.24%	2.56%	1.68	0.54	6.31	0.01	0.02	0.17	20.10%	6.58%	76.86%	0.12%	0.24%	2.07%
		149	N/A	2	3.06	0.46	8.57	0.02	0.03	0.03	35.71%	5.37%	100.00%	0.23%	0.35%	0.35%	2.1	0.37	6.19	0.02	0.03	0.03	24.50%	4.32%	72.23%	0.23%	0.35%	0.35%
0	Patch	150	N/A	2	2.6	0.56	8.06	0.03	0	0.07	32.26%	6.95%	100.00%	0.37%	0.00%	0.87%	1.84	0.4	6.63	0.02	0	0.06	22.83%	4.96%	82.26%	0.25%	0.00%	0.74%
		151	N/A	2	2.12	0.48	7.43	0.02	0.01	0.13	28.53%	6.46%	100.00%	0.27%	0.13%	1.75%	1.48	0.4	5.56	0.02	0.01	0.12	20.05%	5.38%	74.83%	0.27%	0.13%	1.62%
		157	N/A	5	6.54	1.67	17.82	0.08	0.05	0.13	36.70%	9.37%	100.00%	0.45%	0.28%	0.73%	4.54	1.43	12.75	0.06	0.04	0.11	25.48%	8.02%	71.55%	0.34%	0.22%	0.62%
		158	N/A	5	7.76	2.07	17.88	0.12	0.01	0.07	43.47%	11.60%	100.00%	0.67%	0.06%	0.39%	5.92	1.66	14.32	0.09	0.01	0.06	33.17%	9.30%	80.22%	0.50%	0.06%	0.34%
		159	N/A	5	8.46	2.3	20.57	0.08	0.01	0.05	41.13%	11.18%	100.00%	0.39%	0.05%	0.24%	6.45	1.78	16.81	0.07	0.01	0.05	31.36%	8.65%	81.72%	0.34%	0.05%	0.24%
		160	N/A	5	7.58	2.7	23.92	0.04	0.01	0.49	31.69%	11.29%	100.00%	0.17%	0.04%	2.05%	5.54	2.37	18.79	0.03	0.01	0.38	23.16%	9.91%	78.55%	0.13%	0.04%	1.59%
		161	N/A	5	3.35	1.4	13.96	0.07	0.03	0.8	24.00%	10.03%	100.00%	0.50%	0.21%	5.73%	2.24	1.16	10.42	0.05	0.02	0.71	16.05%	8.31%	74.64%	0.36%	0.14%	5.09%
		166	N/A	5	8.2	1.7	19.06	0.07	0.02	0.08	43.02%	8.92%	100.00%	0.37%	0.10%	0.42%	6.07	1.51	14.52	0.06	0.02	0.06	31.85%	7.92%	76.28%	0.31%	0.10%	0.31%
		167	N/A	5	7.63	2.11	18.51	0.1	0.01	0.05	41.22%	11.40%	100.00%	0.54%	0.05%	0.27%	5.9	1.6	14.99	0.08	0.01	0.04	31.87%	8.64%	80.98%	0.43%	0.05%	0.22%
		168	N/A	5	8.69	2.36	22.82	0.08	0.01	0.1	38.08%	10.34%	100.00%	0.22%	0.04%	0.44%	6.46	2.09	18.51	0.06	0.01	0.08	28.31%	8.98%	81.11%	0.22%	0.04%	0.35%
		169	N/A	5	5.54	2.52	21.14	0.04	0.01	1.01	26.21%	11.92%	100.00%	0.19%	0.05%	4.78%	4.04	2.04	15.86	0.04	0.01	0.86	19.11%	9.65%	75.02%	0.19%	0.05%	4.07%
		1	129	2	2.08	0.59	8.19	0.07	0.01	0.08	25.40%	7.20%	100.00%	0.85%	0.12%	0.98%	1.37	0.48	6.52	0.04	0.01	0.08	16.73%	5.86%	79.61%	0.49%	0.12%	0.98%
		3	131	2	2.64	0.71	8.14	0.08	0.03	0.22	32.43%	8.72%	100.00%	0.98%	0.37%	2.70%	1.8	0.58	5.4	0.05	0.03	0.2	22.11%	7.13%	66.34%	0.61%	0.37%	2.46%
		5	133	2	3.18	0.45	9.39	0.03	0.03	0.18	33.87%	4.79%	100.00%	0.32%	0.32%	1.92%	2.08	0.38	6.2	0.02	0.03	0.16	22.15%	4.05%	66.03%	0.21%	0.32%	1.70%
		7	135	2	3.15	0.61	9.19	0.03	0.03	0.14	34.28%	6.64%	100.00%	0.33%	0.33%	1.52%	2.17	0.5	6.01	0.03	0.03	0.12	23.61%	5.44%	65.40%	0.33%	0.33%	1.31%
		9	137	2	3.05	0.45	8.12	0.03	0.02	0.17	37.56%	5.54%	100.00%	0.37%	0.25%	2.09%	2	0.38	5.97	0.02	0.02	0.15	24.63%	4.68%	73.52%	0.25%	0.25%	1.85%
		14	142	4	3.75	1.39	12.15	0.09	0.07	0.26	30.86%	11.44%	100.00%	0.74%	0.58%	2.14%	2.7	0.97	9.11	0.06	0.06	0.23	22.22%	7.98%	74.98%	0.49%	0.49%	1.89%
		15	143	4	5.75	1.2	17.42	0.19	0.03	0.11	33.01%	6.89%	100.00%	1.09%	0.17%	0.63%	4.26	0.91	14.88	0.13	0.03	0.1	24.45%	5.22%	85.42%	0.75%	0.17%	0.57%
		16	144	4	4.86	1.17	16.88	0.12	0.03	0.4	28.79%	6.93%	100.00%	0.71%	0.18%	2.37%	3.43	0.98	13.18	0.08	0.03	0.37	20.32%	5.81%	78.08%	0.47%	0.18%	2.19%
		17	145	4	3.93	1.07	14.6	0.04	0.07	0.5	26.92%	7.33%	100.00%	0.27%	0.48%	3.42%	2.56	0.92	9.85	0.03	0.07	0.44	17.53%	6.30%	67.47%	0.21%	0.48%	3.01%
		21	149	4	7.99	1.63	19.55	0.07	0.06	0.05	40.87%	8.34%	100.00%	0.36%	0.31%	0.26%	5.64	1.31	14.42	0.05	0.05	0.05	28.85%	6.70%	73.76%	0.26%	0.26%	0.26%
		22	150	4	5.62	1.2	16.67	0.16	0.02	0.23	33.71%	7.20%	100.00%	0.96%	0.12%	1.38%	4.13	0.91	14.19	0.11	0.02	0.2	24.78%	5.46%	85.12%	0.66%	0.12%	1.20%
		23	151	4	3.75	1.44	17.62	0.09	0.04	0.53	21.04%	8.08%	100.00%	0.51%	0.22%	2.97%	2.49	1.13	11.84	0.07	0.04	0.49	13.97%	6.68%	66.44%	0.39%	0.22%	2.75%
		29	157	10	12.49	4.16	49.57	0.23	0.22	0.38	30.79%	10.25%	100.00%	0.57%	0.54%	0.94%	8.76	3.58	30.07	0.14	0.21	0.34	21.59%	8.82%	74.12%	0.35%	0.52%	0.84%
		30	158	10	19.97	5.6	41.9	0.29	0.03	0.12	47.66%	13.37%	100.00%	0.69%	0.07%	0.29%	15.55	4.57	35.3	0.24	0.02	0.1	37.11%	10.91%	84.25%	0.57%	0.05%	0.24%
		31	159	10	20.01	5.55	42.98	0.41	0.02	0.19	46.56%	12.91%	100.00%	0.95%	0.05%	0.44%	15.68	4.6	37.17	0.31	0.02	0.17	36.48%	10.70%	86.48%	0.72%	0.05%	0.40%
		32	160	10	20.47	5.46	47.24	0.24	0.03	0.74	43.33%	11.56%	100.00%	0.51%	0.06%	1.57%	15.25	4.76	38.01	0.18	0.03	0.6	32.28%	10.08%	80.46%	0.38%	0.06%	1.27%
		33	161	10	4.53	3.13	25.27	0.26	0.15	1.75	17.93%	12.39%	100.00%	0.99%	0.59%	6.93%	3.08	2.53	17.29	0.18	0.14	1.53	12.07%	10.17%	68.42%	0.63%	0.55%	6.21%
		38	166	10	21.24	4.92	45.37	0.19	0.05	0.15	46.82%	10.84%	100.00%	0.42%	0.11%	0.33%	15.75	3.99	35.53	0.15	0.05	0.13	34.71%	8.79%	78.31%	0.33%	0.11%	0.29%
		39	167	10	18.53	5.65	41.56	0.37	0.02	0.12	44.59%	13.59%	100.00%	0.89%	0.05%	0.29%	14.77	4.62	35.9	0.28	0.02	0.1	35.54%	11.12%	86.38%	0.67%	0.05%	0.24%
		40	168	10	20.52	5.16	43.27	0.34	0.02	0.26	47.42%	11.93%	100.00%	0.79%	0.05%	0.60%	15.64	4.49	37.07	0.27	0.02	0.23	36.15%	10.38%	85.67%	0.62%	0.05%	0.53%
		41	169	10	16.17	5.8	46.61	0.14	0.03	2	34.69%	12.44%	100.00%	0.30%	0.06%	4.29%	11.39	4.83	34.41	0.12	0.03	1.76	24.44%	10.34%	73.83%	0.26%	0.06%	3.78%

Table 3. PD of ANT#1 – patch antenna (28GHz)

- ANT#1 Low CH

Module	Type	Mbeam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
1	Patch	0	N/A	1	0	0.19	0.01	3.38	0.13	0.01	29.59%	5.62%	0.30%	100.00%	3.85%	0.30%	0.66	0.14	0.01	2.44	0.11	0.01	19.53%	4.14%	0.30%	72.19%	3.25%	0.30%
		2	N/A	1	1.28	0.25	0.01	3.87	0.07	0	32.56%	6.46%	0.26%	100.00%	1.81%	0.00%	0.84	0.23	0.01	2.83	0.08	0	21.71%	5.43%	0.26%	73.13%	1.55%	0.00%
		4	N/A	1	1.06	0.28	0.01	4.13	0.07	0	25.67%	6.78%	0.24%	100.00%	1.69%	0.00%	0.67	0.23	0.01	2.97	0.08	0	16.22%	5.57%	0.24%	71.91%	1.45%	0.00%
		6	N/A	1	1.17	0.16	0.01	3.6	0.09	0.01	32.50%	4.44%	0.28%	100.00%	2.50%	0.28%	0.77	0.14	0.01	2.53	0.08	0	21.39%	3.89%	0.28%	70.28%	2.22%	0.00%
		8	N/A	1	0.78	0.21	0.01	2.27	0.04	0.01	34.36%	9.25%	0.44%	100.00%	1.76%	0.44%	0.52	0.17	0.01	1.61	0.04	0.01	22.91%	7.49%	0.44%	70.93%	1.76%	0.44%
		10	N/A	2	2.18	0.48	0.02	6.36	0.27	0.01	34.28%	7.55%	0.31%	100.00%	4.25%	0.16%	1.53	0.37	0.02	4.33	0.24	0.01	24.06%	5.82%	0.31%	68.08%	3.77%	0.16%
		11	N/A	2	3.44	0.69	0.02	9.19	0.15	0	37.43%	7.51%	0.22%	100.00%	1.63%	0.00%	2.44	0.57	0.02	7.3	0.12	0	26.55%	6.20%	0.22%	79.43%	1.31%	0.00%
		12	N/A	2	2.48	0.43	0.02	6.51	0.05	0.01	38.10%	6.61%	0.31%	100.00%	0.77%	0.15%	1.8	0.34	0.02	4.91	0.04	0.01	27.65%	5.22%	0.31%	75.42%	0.61%	0.15%
		13	N/A	2	2.15	0.5	0.02	6.85	0.09	0.02	31.39%	7.30%	0.29%	100.00%	1.31%	0.29%	1.51	0.4	0.02	4.77	0.07	0.02	22.04%	5.84%	0.29%	69.64%	1.02%	0.29%
		18	N/A	2	2.97	0.63	0.02	7.74	0.26	0	38.37%	8.14%	0.26%	100.00%	3.36%	0.00%	2.11	0.5	0.02	5.92	0.22	0	27.26%	6.46%	0.26%	76.49%	2.84%	0.00%
		19	N/A	2	3.15	0.74	0.02	9.23	0.1	0.01	34.13%	8.02%	0.22%	100.00%	1.08%	0.11%	2.21	0.6	0.02	7.05	0.08	0.01	23.94%	6.50%	0.22%	76.38%	0.87%	0.11%
		20	N/A	2	2.82	0.65	0.01	8.6	0.06	0.01	32.79%	7.56%	0.12%	100.00%	0.70%	0.12%	1.94	0.55	0.01	6.65	0.05	0.01	22.56%	6.40%	0.12%	77.33%	0.58%	0.12%
		24	N/A	5	5.05	0.89	0.04	12.93	1.41	0.01	29.06%	6.88%	0.31%	100.00%	10.90%	0.08%	3.53	0.68	0.03	9.09	1.26	0.01	27.30%	5.26%	0.23%	70.07%	9.74%	0.08%
		25	N/A	5	8.6	1.97	0.1	19.18	0.21	0.01	44.84%	10.27%	0.52%	100.00%	1.09%	0.05%	6.5	1.59	0.08	15.47	0.17	0.01	33.89%	8.29%	0.42%	80.66%	0.89%	0.05%
		26	N/A	5	8.67	2.5	0.09	20.04	0.13	0.01	43.26%	12.48%	0.25%	100.00%	0.65%	0.05%	6.69	2	0.05	16.08	0.1	0.01	33.38%	9.98%	0.25%	80.24%	0.50%	0.05%
		27	N/A	5	7.35	2.78	0.03	20.67	0.06	0.01	35.56%	13.45%	0.15%	100.00%	0.29%	0.05%	5.6	2.25	0.03	15.97	0.06	0.01	27.09%	10.89%	0.15%	77.26%	0.29%	0.05%
		28	N/A	5	4.76	1.9	0.05	17.68	0.23	0.09	26.92%	10.75%	0.28%	100.00%	1.30%	0.51%	3.51	1.56	0.04	12.8	0.2	0.08	19.85%	8.82%	0.23%	72.40%	1.13%	0.45%
		34	N/A	5	7.79	1.72	0.05	18.28	1.03	0.01	42.61%	9.41%	0.27%	100.00%	5.63%	0.05%	5.74	1.35	0.04	14.51	0.84	0.01	31.40%	7.39%	0.22%	79.38%	4.60%	0.05%
		35	N/A	5	8.69	2.19	0.09	19.71	0.18	0.01	44.09%	11.11%	0.46%	100.00%	0.91%	0.05%	6.62	1.73	0.08	15.84	0.16	0.01	33.59%	8.78%	0.41%	80.37%	0.81%	0.05%
		36	N/A	5	8.17	2.62	0.04	19.97	0.07	0.01	40.91%	13.12%	0.20%	100.00%	0.35%	0.05%	6.26	2.17	0.03	15.95	0.06	0	31.35%	10.87%	0.15%	79.87%	0.30%	0.00%
		37	N/A	5	6.36	2.47	0.04	19.93	0.11	0.04	31.91%	12.39%	0.20%	100.00%	0.55%	0.20%	4.76	1.94	0.04	15.13	0.1	0.03	23.98%	9.73%	0.20%	75.92%	0.50%	0.15%
		128	N/A	1	1.16	0.25	0.01	3.45	0.1	0.01	33.62%	7.25%	0.29%	100.00%	2.90%	0.29%	0.75	0.2	0.01	2.52	0.08	0.01	21.74%	5.80%	0.29%	73.04%	2.32%	0.29%
		130	N/A	1	1.08	0.15	0.01	3.18	0.13	0	33.33%	4.72%	0.31%	100.00%	4.09%	0.00%	0.71	0.12	0.01	2.24	0.11	0	22.33%	3.77%	0.31%	70.44%	3.46%	0.00%
		132	N/A	1	1.32	0.17	0.01	3.98	0.15	0	33.50%	4.31%	0.25%	100.00%	3.81%	0.00%	0.85	0.14	0.01	2.74	0.13	0	21.57%	3.55%	0.25%	69.54%	3.30%	0.00%
		134	N/A	1	1.08	0.3	0.01	3.9	0.11	0	27.69%	7.69%	0.26%	100.00%	2.82%	0.00%	0.7	0.24	0.01	2.86	0.09	0	17.95%	6.15%	0.26%	73.33%	2.31%	0.00%
		136	N/A	1	0.8	0.26	0.01	2.67	0.07	0	29.96%	9.74%	0.37%	100.00%	2.62%	0.00%	0.56	0.21	0.01	1.95	0.06	0	20.97%	7.87%	0.37%	73.03%	2.25%	0.00%
		138	N/A	2	1.66	0.54	0.02	5.74	0.33	0	28.92%	9.41%	0.35%	100.00%	5.75%	0.00%	1.13	0.44	0.02	4.1	0.29	0	19.69%	7.67%	0.35%	71.43%	5.05%	0.00%
		139	N/A	2	2.98	0.8	0.02	8.79	0.12	0	33.67%	9.10%	0.23%	100.00%	1.37%	0.00%	2.08	0.65	0.02	6.58	0.1	0	23.78%	7.39%	0.23%	78.50%	1.14%	0.00%
		140	N/A	2	2.72	0.72	0.02	7.99	0.06	0	34.04%	9.01%	0.25%	100.00%	0.75%	0.00%	1.92	0.59	0.01	6.34	0.06	0	24.03%	7.38%	0.13%	79.35%	0.75%	0.00%
		141	N/A	2	1.8	0.3	0.01	4.44	0.14	0.02	40.54%	6.76%	0.23%	100.00%	3.15%	0.45%	1.2	0.25	0.01	3.02	0.12	0.02	27.03%	5.63%	0.23%	68.02%	2.70%	0.45%
		146	N/A	2	2.46	0.64	0.02	7.63	0.28	0	32.24%	8.39%	0.26%	100.00%	3.67%	0.00%	1.72	0.52	0.02	5.72	0.24	0	22.54%	6.82%	0.26%	74.97%	3.15%	0.00%
		147	N/A	2	3.42	0.47	0.02	7.82	0.17	0	43.73%	6.01%	0.26%	100.00%	2.17%	0.00%	2.43	0.37	0.02	6.14	0.13	0	31.07%	4.73%	0.26%	78.52%	1.66%	0.00%
		148	N/A	2	2.13	0.53	0.02	6.34	0.08	0.01	33.60%	8.68%	0.32%	100.00%	1.26%	0.16%	1.51	0.45	0.02	4.94	0.06	0.01	23.82%	7.10%	0.32%	77.92%	0.95%	0.16%
		152	N/A	5	4.19	1.48	0.06	16.57	2.3	0.02	25.29%	8.93%	0.36%	100.00%	13.88%	0.12%	2.76	1.2	0.05	11.51	1.57	0.02	16.66%	7.24%	0.30%	69.46%	11.89%	0.12%
		153	N/A	5	8.43	2.85	0.05	20.08	0.2	0	41.98%	14.19%	0.25%	100.00%	1.00%	0.00%	6.37	2.3	0.05	16	0.11	0	31.72%	11.45%	0.25%	79.68%	0.55%	0.00%
		154	N/A	5	8.78	2.4	0.07	19.53	0.1	0.01	44.91%	12.28%	0.36%	100.00%	0.51%	0.05%	6.64	2.03	0.06	15.65	0.08	0.01	33.96%	10.38%	0.31%	80.05%	0.41%	0.05%
		155	N/A	5	7.72	2.11	0.06	16.88	0.09	0.01	45.73%	12.50%	0.36%	100.00%	0.53%	0.06%	5.84	1.73	0.05	13.61	0.08	0.01	34.60%	10.25%	0.30%	80.63%	0.47%	0.06%
		156	N/A	5	5.12	1.02	0.04	12.71	0.18	0.05	40.28%	8.03%	0.31%	100.00%	1.42%	0.39%	3.85	0.86	0.03	9.42	0.16	0.05	28.72%	6.77%	0.24%	74.11%	1.26%	0.39%
		162	N/A	5	6.99	2.03	0.04	18.9	1.03	0	37.78%	10.97%	0.22%	100.00%	5.57%	0.00%	5.19	1.61	0.03	14.29	0.78	0	28.05%	8.70%	0.16%	77.03%	4.22%	0.00%
		163	N/A	5	9.12	2.99	0.06	21.09	0.09	0.01	43.24%	14.18%	0.28%	100.00%	0.43%	0.05%	6.9	2.5	0.06	16.91	0.08	0.01	32.72%	11.85%	0.28%	80.18%	0.38%	0.05%
		164	N/A	5	8.51	2.32	0.07	17.87	0.1	0.01	47.62%	13.04%	0.39%	100.00%	0.56%	0.06%	6.53	1.97	0.06	14.5	0.08	0.01	36.54%	11.02%	0.34%	81.14%	0.45%	0.06%
		165	N/A	5	6.71	1.42	0.06	15.93	0.11	0.02	42.12%	8.91%	0.38%	100.00%	0.69%	0.13%	4.85	1.15	0.05	12.28	0.09	0.02	30.45%	7.22%	0.31%	77.09%	0.56%	0.13%
		0	128	2	3.29	0.59	0.02	8.63	0.31	0.01	38.12%	6.84%	0.23%	100.00%	3.59%	0.12%	2.17	0.46	0.02	6.35	0.26	0.01	25.14%	5.33%	0.23%	73.58%	3.01%	0.12%
		2	130	2	3.33	0.41	0.03	8.59	0.29	0.01	38.95%	4.80%	0.35%	100.00%	3.39%	0.12%	2.25	0.35	0.02	5.93	0.23	0.01	26.32%	4.09%	0.23%	69.24%	2.69%	0.12%
		4	132	2	3.35	0.43	0.02	9.71	0.34	0.01	34.50%	4.43%	0.21%	100.00%	3.50%	0.10%	2.14	0.35	0.02	6.52	0.3	0.01	22.04%	3.60%	0.21%	67.15%	3.09%	0.10%
		6	134	2	3.11	0.57	0.02	9.26	0.27	0.01	33.59%	6.16%	0.22%	100.00%	2.92%	0.11%	2.04	0.46	0.02	6.43	0.24	0.01	22.03%	4.97%	0.22%	69.44%	2.59%	0.11%
		8	136	2	1.94	0.66	0.02	6.11	0.11	0.01	31.75%	10.80%	0.33%	100.00%	1.80%	0.16%	1.34	0.55	0.02	4.44	0.1	0.01	21.93%	9.00%	0.33%	72.67%	1.64%	0.16%
		10	138	4	3.81	1.17	0.06	14.02	0.84	0.02	27.18%	8.35%	0.43%	100.00%	5.99%	0.14%	2.63	0.93	0.05	9.86	0.76	0.02	18.76%	6.63%	0.36%	70.33%	5.42%	0.14%
		11	139	4	5.89	1.82	0.04	17.74	0.41	0	32.98%	10.26%	0.23%	100.00%	2.31%	0.00%	4.24	1.52	0.04	13.81	0.35	0	23.90%	8.57%	0.23%	77.85%	1.97%	0.00%
		12	140	4	6.27	1.35	0.05	16.7	0.19	0.02	37.54%	7.96%	0.30%	100.00%	1.14%	0.12%	4.55	1.1	0.05	12.49	0.17	0.02	27.25%	6.59%	0.30%	74.79%	1.02%	0.12%
		13	141	4	6.26	1.1	0.05	13.99	0.26	0.05	44.87%	7.89%	0.36%	100.00%	1.86%	0.36%	4.28	0.89	0.04	9.51	0.24	0.05	30.68%	6.38%	0.29%	68.17%	1.72%	0.36%
		18	146	4	5.1	1.31	0.05	16.46	0.76	0.01	30.98%	7.96%	0.30%	100.00%	4.62%	0.06%	3.55	1.07	0.04	12.17	0.68	0	21.57%	6.50%	0.24%	73.94%	4.13%	0.00%
		19	147	4	7.91	1.39	0.06	17.81	0.33	0.01	44.41%	7.80%	0.34%	100.00%	1.85%	0.06%	5.86	1.14	0.06	13.93	0.26	0.01	32.90%	6.40%	0.34%	78.21%	1.46%	0.06%
		20	148	4	5.72	1.39	0.04	17.34	0.17	0.04	32.99%	8.02%	0.23%	100.00%	0.98%	0.23%	3.94	1.12	0.04	13.29	0.14	0.03	22.72%	6.46%	0.23%	76.64%	0.81%	0.17%
		24	152	10	13.39	3.55	0.13	38.53	4.76	0.05	34.75%	9.21%	0.34%	100.00%	12.35%	0.13%	9.08	2.77	0.11	26.58	4.25	0.04	23.51%	7.19%	0.29%	68.99%	11.03%	0.10%
		25	153	10	23.5	5.37	0.28	44.75	0.6	0.02	52.51%	12.00%	0.63%	100.00%	1.34%	0.04%	17.92	4.38	0.25	35.34	0.39	0.02	40.04%	9.79%	0.56%	78.97%	0.87%	0.04%
		26	154	10	23.7	5.68	0.21	42.54	0.26	0.02	55.71%	13.35%	0.49%	100.00%	0.61%	0.05%	18.39	4.53	0.19	33.52	0.22	0.02	43.23%	10.65%	0.45%	78.80%	0.52%	0.05%
		27	155	10	21.37	5.71	0.15	43.75	0.23	0.02	48.85%	13.05%	0.34%	100.00%	0.53%	0.05%	16.37	4.75	0.13	33.64	0.19	0.02	37.42%	10.86%	0.30%	76.89%	0.43%	0.05%
		28	156	10	14.66	4.4	0.11	40.34	0.72	0.21	36.34%	10.91%	0.27%	100.00%	1.78%	0.52%	10.44	3.69	0.08	29.25	0.65	0.2	25.88%	9.15%	0.20%	72.51%	1.61%	0.50%
		34	162	10	21.48	4.44	0.16	43.25	2.63	0.02	49.66%	10.27%	0.37%	100.00%	6.08%	0.05%	15.71	3.57	0.14	33.21	2.22	0.02	36.32%	8.25%	0.32%	76.79%	5.13%	0.05%
		35	163	10	24.18	5.71	0.28	45.12	0.37	0.02	53.59%	12.66%	0.62%	100.00%	0.82%	0.04%	18.62	4.52	0.25	35.54	0.32	0.02	41.27%	10.02%	0.55%	78.77%	0.71%	0.04%
		36	164	10	22.99	5.63	0.19	41.6	0.26	0.01	55.19%	13.53%	0.46%	100.00%	0.63%	0.02%	17.92	4.7	0.16	32.73	0.21	0.01	43.08%	11.30%	0.38%	78.68%	0.50%	0.02%
		37	165	10	19.85	4.95	0.13	44.1	0.37	0.06	45.01%	11.22%	0.29%	100.00%	0.84%	0.14%	14.54	4	0.1	33.44	0.31	0.06	32.97%	9.07%	0.23%	75.83%	0.70%	0.14%

- ANT#1 Mid CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
		0	N/A	1	1.02	0.19	0.01	3.32	0.11	0.01	30.72%	5.72%	0.30%	100.00%	3.31%	0.30%	0.68	0.15	0.01	2.39	0.09	0.01	20.48%	4.52%	0.30%	71.99%	2.71%	0.30%
		2	N/A	1	1.33	0.22	0.01	3.76	0.07	0	35.37%	5.85%	0.27%	100.00%	1.86%	0.00%	0.9	0.19	0.01	2.76	0.06	0	23.94%	5.05%	0.27%	73.40%	1.60%	0.00%
		4	N/A	1	1.08	0.29	0.01	4.05	0.06	0.01	26.67%	7.16%	0.25%	100.00%	1.48%	0.25%	0.7	0.24	0.01	2.9	0.05	0	17.28%	5.93%	0.25%	71.60%	1.48%	0.00%
		6	N/A	1	1.18	0.18	0.01	3.71	0.09	0	31.81%	4.85%	0.27%	100.00%	2.43%	0.00%	0.78	0.15	0.01	2.65	0.08	0	21.02%	4.04%	0.27%	71.43%	2.16%	0.00%
		8	N/A	1	0.93	0.2	0.01	2.74	0.04	0.01	33.94%	7.30%	0.36%	100.00%	1.46%	0.36%	0.64	0.16	0.01	1.98	0.03	0.01	23.36%	5.84%	0.36%	72.26%	1.09%	0.36%
		10	N/A	2	2.2	0.48	0.02	6.07	0.25	0.01	36.24%	7.91%	0.33%	100.00%	4.12%	0.16%	1.55	0.38	0.02	4.16	0.22	0.01	25.54%	6.26%	0.33%	68.53%	3.62%	0.16%
		11	N/A	2	3.51	0.61	0.02	8.97	0.13	0	39.13%	6.80%	0.22%	100.00%	1.45%	0.00%	2.52	0.51	0.02	7.14	0.11	0	28.09%	5.69%	0.22%	79.60%	1.23%	0.00%
		12	N/A	2	2.7	0.53	0.02	7.14	0.04	0.01	37.82%	7.42%	0.28%	100.00%	0.56%	0.14%	1.96	0.43	0.01	5.49	0.03	0.01	27.45%	6.02%	0.14%	76.89%	0.42%	0.14%
		13	N/A	2	2.25	0.47	0.02	6.57	0.05	0.02	34.25%	7.15%	0.30%	100.00%	0.76%	0.30%	1.59	0.38	0.02	4.8	0.04	0.02	24.20%	5.78%	0.30%	70.02%	0.61%	0.30%
		18	N/A	2	2.99	0.6	0.02	7.45	0.23	0	40.13%	8.05%	0.27%	100.00%	3.09%	0.00%	2.15	0.48	0.02	5.72	0.2	0	28.86%	6.44%	0.27%	76.78%	2.68%	0.00%
		19	N/A	2	3.28	0.67	0.02	9.11	0.11	0.01	36.00%	7.35%	0.22%	100.00%	1.21%	0.11%	2.32	0.55	0.01	7.04	0.08	0.01	25.47%	6.04%	0.11%	77.28%	0.88%	0.11%
		20	N/A	2	2.92	0.69	0.01	8.83	0.06	0.01	33.07%	7.81%	0.11%	100.00%	0.68%	0.11%	2.02	0.59	0.01	6.77	0.05	0.01	22.88%	6.68%	0.11%	76.67%	0.57%	0.11%
		24	N/A	5	4.82	0.92	0.03	12.35	1.27	0.02	29.03%	7.45%	0.24%	100.00%	11.99%	0.16%	3.35	0.75	0.03	8.77	1.2	0.02	27.45%	6.07%	0.24%	71.01%	9.72%	0.16%
		25	N/A	5	9.07	2.01	0.1	19.63	0.19	0.01	46.20%	10.24%	0.51%	100.00%	0.97%	0.05%	6.88	1.64	0.09	15.91	0.12	0.01	35.05%	8.35%	0.46%	81.05%	0.61%	0.05%
		26	N/A	5	9.07	2.53	0.06	20.55	0.13	0.01	44.14%	12.31%	0.29%	100.00%	0.63%	0.05%	7.08	2.1	0.05	16.49	0.09	0.01	34.45%	10.22%	0.24%	80.24%	0.44%	0.05%
		27	N/A	5	7.75	2.89	0.03	21.06	0.07	0.01	36.80%	13.72%	0.14%	100.00%	0.33%	0.05%	5.93	2.38	0.03	16.32	0.06	0.01	28.16%	11.30%	0.14%	77.49%	0.28%	0.05%
		28	N/A	5	4.89	2	0.04	18.18	0.17	0.1	26.90%	11.00%	0.22%	100.00%	0.94%	0.55%	3.59	1.61	0.03	13.17	0.16	0.09	19.75%	8.86%	0.17%	72.44%	0.88%	0.50%
		34	N/A	5	8.07	1.75	0.08	18.49	0.97	0.01	43.65%	9.46%	0.32%	100.00%	5.25%	0.05%	5.98	1.39	0.05	14.74	0.75	0.01	32.40%	7.52%	0.27%	79.72%	4.27%	0.05%
		35	N/A	5	9.19	2.27	0.08	20.14	0.21	0.01	45.43%	11.27%	0.40%	100.00%	1.04%	0.05%	7.04	1.81	0.07	16.22	0.18	0.01	34.96%	8.99%	0.35%	80.54%	0.89%	0.05%
		36	N/A	5	8.57	2.66	0.04	20.61	0.05	0.01	41.58%	12.91%	0.19%	100.00%	0.24%	0.05%	6.64	2.24	0.03	16.48	0.04	0.01	32.22%	10.87%	0.15%	79.96%	0.19%	0.05%
		37	N/A	5	6.69	2.57	0.04	20.36	0.07	0.04	32.86%	12.62%	0.20%	100.00%	0.34%	0.20%	4.98	2.05	0.03	15.49	0.06	0.03	24.46%	10.07%	0.15%	76.08%	0.29%	0.15%
		128	N/A	1	1.16	0.25	0.01	3.34	0.11	0	34.73%	7.49%	0.30%	100.00%	3.29%	0.00%	0.78	0.21	0.01	2.42	0.08	0	23.35%	6.29%	0.30%	72.46%	2.40%	0.00%
		130	N/A	1	1.06	0.19	0.01	3.31	0.16	0	32.02%	5.74%	0.30%	100.00%	4.83%	0.00%	0.7	0.16	0.01	2.34	0.13	0	21.15%	4.83%	0.30%	70.69%	3.93%	0.00%
		132	N/A	1	1.35	0.16	0.01	3.87	0.15	0	34.88%	4.13%	0.26%	100.00%	3.88%	0.00%	0.89	0.13	0.01	2.65	0.13	0	23.00%	3.36%	0.26%	68.48%	3.36%	0.00%
		134	N/A	1	1.09	0.31	0.01	3.82	0.09	0	28.53%	8.12%	0.26%	100.00%	2.36%	0.00%	0.7	0.26	0.01	2.82	0.08	0	18.32%	6.81%	0.26%	73.82%	2.09%	0.00%
		136	N/A	1	0.91	0.23	0.01	3.03	0.07	0	30.03%	7.59%	0.33%	100.00%	2.31%	0.00%	0.63	0.18	0.01	2.2	0.06	0	20.79%	5.94%	0.33%	72.61%	1.98%	0.00%
		138	N/A	2	1.88	0.53	0.02	5.97	0.3	0	31.49%	8.88%	0.34%	100.00%	5.03%	0.00%	1.29	0.44	0.02	4.21	0.26	0	21.61%	7.37%	0.34%	70.52%	4.36%	0.00%
		139	N/A	2	3.1	0.78	0.02	9.04	0.1	0	34.29%	8.63%	0.22%	100.00%	1.11%	0.00%	2.19	0.64	0.01	7.11	0.09	0	24.23%	7.08%	0.11%	78.65%	1.00%	0.00%
		140	N/A	2	2.83	0.75	0.01	8.27	0.06	0	34.22%	9.07%	0.12%	100.00%	0.73%	0.00%	1.99	0.63	0.01	6.6	0.05	0	24.06%	7.50%	0.12%	79.81%	0.60%	0.00%
		141	N/A	2	1.75	0.25	0.01	4.36	0.16	0.02	40.14%	6.65%	0.23%	100.00%	3.67%	0.46%	1.15	0.25	0.01	2.94	0.13	0.02	26.38%	5.73%	0.23%	67.43%	2.98%	0.46%
		146	N/A	2	2.68	0.66	0.02	7.86	0.24	0	34.10%	8.40%	0.25%	100.00%	3.05%	0.00%	1.88	0.54	0.02	5.9	0.21	0	23.92%	6.87%	0.25%	75.06%	2.67%	0.00%
1	Patch	147	N/A	2	3.43	0.46	0.02	7.62	0.16	0	45.01%	6.04%	0.26%	100.00%	2.10%	0.00%	2.46	0.36	0.02	5.96	0.12	0	32.28%	4.72%	0.26%	78.08%	1.57%	0.00%
		148	N/A	2	2.24	0.66	0.02	6.67	0.09	0.01	33.58%	9.90%	0.30%	100.00%	1.35%	0.15%	1.58	0.53	0.02	5.26	0.07	0.01	23.69%	7.95%	0.30%	78.86%	1.05%	0.15%
		152	N/A	5	4.33	1.56	0.05	16.79	2.23	0.01	25.79%	9.25%	0.30%	100.00%	13.28%	0.06%	2.83	1.27	0.04	11.51	1.54	0.01	16.86%	7.56%	0.24%	68.55%	11.55%	0.06%
		153	N/A	5	8.88	2.84	0.05	20.45	0.18	0	43.42%	13.89%	0.24%	100.00%	0.88%	0.00%	6.75	2.37	0.05	16.26	0.11	0	33.01%	11.59%	0.24%	79.51%	0.54%	0.00%
		154	N/A	5	8.87	2.29	0.07	19.56	0.1	0	45.35%	11.71%	0.36%	100.00%	0.51%	0.00%	6.78	1.94	0.07	15.66	0.08	0	34.66%	9.92%	0.36%	80.06%	0.41%	0.00%
		155	N/A	5	7.52	2.16	0.07	16.6	0.08	0.01	45.30%	13.01%	0.42%	100.00%	0.48%	0.06%	5.66	1.77	0.06	13.24	0.07	0.01	34.10%	10.66%	0.36%	79.76%	0.42%	0.06%
		156	N/A	5	5.11	1	0.03	12.93	0.24	0.05	39.52%	7.73%	0.23%	100.00%	1.86%	0.39%	3.6	0.81	0.03	9.51	0.21	0.05	27.84%	6.26%	0.23%	73.55%	1.62%	0.39%
		162	N/A	5	7.2	1.99	0.04	18.75	0.96	0	38.40%	10.61%	0.21%	100.00%	5.12%	0.00%	5.36	1.59	0.04	14.57	0.75	0	28.59%	8.48%	0.21%	77.71%	4.00%	0.00%
		163	N/A	5	9.45	2.83	0.07	21.32	0.1	0.01	44.32%	13.27%	0.33%	100.00%	0.47%	0.05%	7.24	2.44	0.06	16.98	0.09	0.01	33.96%	11.44%	0.28%	79.64%	0.42%	0.05%
		164	N/A	5	8.18	2.22	0.07	17.2	0.1	0.01	47.56%	12.91%	0.41%	100.00%	0.58%	0.06%	6.3	1.87	0.06	13.93	0.08	0.01	36.63%	10.87%	0.35%	80.99%	0.47%	0.06%
		165	N/A	5	7.01	1.59	0.06	16.77	0.1	0.02	41.80%	9.48%	0.36%	100.00%	0.60%	0.12%	5.02	1.25	0.05	12.9	0.08	0.02	29.93%	7.45%	0.30%	76.92%	0.48%	0.12%
		0	128	2	3.33	0.6	0.02	8.34	0.28	0.02	39.93%	7.19%	0.24%	100.00%	3.36%	0.24%	2.24	0.49	0.02	6.11	0.22	0.02	26.86%	5.88%	0.24%	73.26%	2.64%	0.24%
		2	130	2	3.38	0.43	0.03	8.47	0.29	0.02	39.67%	5.08%	0.35%	100.00%	3.42%	0.24%	2.28	0.34	0.02	5.85	0.24	0.02	26.92%	4.01%	0.24%	69.07%	2.83%	0.24%
		4	132	2	3.48	0.44	0.02	9.39	0.28	0.01	37.06%	4.69%	0.21%	100.00%	2.98%	0.11%	2.28	0.36	0.02	6.34	0.25	0.01	24.28%	3.83%	0.21%	67.52%	2.66%	0.11%
		6	134	2	3.11	0.6	0.02	9.12	0.21	0.01	34.06%	6.57%	0.22%	100.00%	2.30%	0.11%	2.04	0.49	0.02	6.44	0.19	0.01	22.34%	5.37%	0.22%	70.54%	2.08%	0.11%
		8	136	2	2.34	0.57	0.02	6.8	0.12	0.01	34.41%	8.38%	0.29%	100.00%	1.76%	0.15%	1.62	0.46	0.02	4.87	0.11	0.01	23.82%	6.76%	0.29%	71.62%	1.62%	0.15%
		10	138	4	3.89	1.33	0.06	13.01	0.6	0.02	29.90%	10.22%	0.46%	100.00%	4.61%	0.15%	2.68	1.08	0.05	9.19	0.55	0.02	20.60%	8.30%	0.38%	70.64%	4.23%	0.15%
		11	139	4	6.11	1.61	0.04	17.85	0.29	0	34.23%	9.02%	0.22%	100.00%	1.62%	0.00%	4.44	1.38	0.04	13.99	0.26	0	24.87%	7.62%	0.22%	78.38%	1.46%	0.00%
		12	140	4	6.73	1.26	0.04	17.62	0.16	0.02	38.20%	7.15%	0.23%	100.00%	0.91%	0.11%	4.9	1.03	0.04	13.2	0.14	0.02	27.81%	5.79%	0.23%	74.91%	0.79%	0.11%
		13	141	4	6.33	1	0.03	13.3	0.22	0.06	47.59%	7.52%	0.23%	100.00%	1.65%	0.45%	4.35	0.83	0.03	9.19	0.2	0.06	32.71%	6.24%	0.23%	68.80%	1.50%	0.45%
		18	146	4	5.19	1.37	0.05	15.84	0.53	0.01	32.77%	8.65%	0.32%	100.00%	3.35%	0.06%	3.69	1.13	0.04	11.76	0.47	0.01	23.30%	7.13%	0.25%	74.12%	2.97%	0.06%
		19	147	4	8.05	1.32	0.06	17.35	0.32	0.01	46.40%	7.61%	0.35%	100.00%	1.84%	0.06%	6.04	1.08	0.06	13.58	0.24	0.01	34.81%	6.22%	0.35%	78.27%	1.38%	0.06%
		20	148	4	5.87	1.59	0.03	17.69	0.19	0.03	33.18%	8.99%	0.17%	100.00%	1.07%	0.17%	4.09	1.28	0.03	13.59	0.15	0.03	23.12%	7.24%	0.17%	76.82%	0.85%	0.17%
		24	152	10	12.99	3.54	0.11	36.43	4.29	0.04	35.66%	9.72%	0.30%	100.00%	11.78%	0.11%	8.83	2.73	0.09	25.89	3.86	0.04	24.24%	7.49%	0.25%	68.87%	10.60%	0.11%
		25	153	10	24.59	5.36	0.29	44.43	0.49	0.02	55.35%	12.06%	0.65%	100.00%	1.10%	0.05%	18.92	4.43	0.25	35.08	0.28	0.02	42.58%	9.97%	0.56%	78.96%	0.63%	0.05%
		26	154	10	24.17	5.82	0.23	42.47	0.26	0.02	56.91%	13.70%	0.54%	100.00%	0.61%	0.05%	19.1	4.77	0.21	33.64	0.21	0.02	44.97%	11.23%	0.49%	79.21%	0.49%	0.05%
		27	155	10	21.62	5.8	0.17	43.86	0.25	0.03	49.29%	13.22%	0.39%	100.00%	0.57%	0.07%	16.57	4.88	0.14	33.62	0.19	0.02	37.78%	11.13%	0.32%	76.65%	0.43%	0.05%
		28	156	10	14.98	4.38	0.1	38.99	0.76	0.23	38.42%	11.23%	0.26%	100.00%	1.95%	0.59%	10.44	3.53	0.07	28.34	0.68	0.22	26.78%	9.05%	0.18%	72.69%	1.74%	0.56%
		34	162	10	21.69	4.29	0.19	42.08	2.45	0.02	51.57%	10.13%	0.43%	100.00%	5.83%	0.05%	15.98	3.4	0.16	32.43	1.58	0.02	38.02%	8.08%	0.38%	77.10%	4.66%	0.05%
		35	163	10	25.25	5.84	0.27	45.13	0.38	0.02	55.95%	12.94%	0.60%	100.00%	0.84%	0.04%	19.75	4.74	0.24	35.39	0.32	0.02	43.76%	10.50%	0.53%	78.42%	0.71%	0.04%
		36	164	10	22.85	5.66	0.18	41.01	0.21	0.02	55.72%	13.75%	0.44%	100.00%	0.51%	0.05%	18.02	4.71	0.15	32.28	0.17	0.02	43.94%	11.49%	0.37%	78.71%	0.41%	0.05%
		37	165	10	20.83	5.27	0.13	44.72	0.24	0.07	46.58%	11.78%	0.29%	100.00%	0.54%	0.16%	15.16	4.27	0.1	33.97	0.21	0.07	33.90%	9.55%	0.22%	75.96%	0.47%	0.16%

- ANT#1 High CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
		0	N/A	1	1.07	0.2	0.01	3.37	0.11	0.01	31.75%	5.93%	0.30%	100.00%	3.26%	0.30%	0.73	0.16	0.01	2.46	0.09	0.01	21.66%	4.75%	0.30%	73.00%	2.67%	0.30%
		2	N/A	1	1.31	0.21	0.01	3.69	0.08	0.01	35.50%	5.69%	0.27%	100.00%	2.17%	0.27%	0.89	0.18	0.01	2.68	0.07	0.01	24.12%	4.88%	0.27%	72.63%	1.90%	0.27%
		4	N/A	1	1.06	0.29	0.01	3.91	0.07	0.01	27.11%	7.42%	0.26%	100.00%	1.79%	0.26%	0.69	0.25	0.01	2.79	0.06	0.01	17.65%	6.39%	0.26%	71.36%	1.53%	0.26%
		6	N/A	1	1.16	0.21	0.01	3.78	0.09	0	30.69%	5.56%	0.26%	100.00%	2.38%	0.00%	0.76	0.17	0.01	2.71	0.08	0	20.11%	4.50%	0.26%	71.69%	2.12%	0.00%
		8	N/A	1	1.06	0.22	0.01	3.12	0.04	0.01	33.97%	7.05%	0.32%	100.00%	1.28%	0.32%	0.72	0.18	0.01	2.26	0.04	0.01	23.08%	5.77%	0.32%	72.44%	1.28%	0.32%
		10	N/A	2	2.12	0.52	0.02	5.83	0.28	0.01	36.36%	8.92%	0.34%	100.00%	4.80%	0.17%	1.5	0.44	0.02	3.98	0.25	0.01	25.73%	7.55%	0.34%	68.27%	4.29%	0.17%
		11	N/A	2	3.3	0.64	0.02	8.7	0.13	0	37.93%	7.36%	0.23%	100.00%	1.49%	0.00%	2.39	0.53	0.02	6.87	0.11	0	27.47%	6.09%	0.23%	78.97%	1.26%	0.00%
		12	N/A	2	2.83	0.57	0.03	7.62	0.04	0.01	37.14%	7.48%	0.13%	100.00%	0.52%	0.13%	2.05	0.48	0.01	5.9	0.03	0.01	26.90%	6.30%	0.13%	77.43%	0.39%	0.13%
		13	N/A	2	2.12	0.56	0.02	6.37	0.05	0.02	33.28%	8.79%	0.31%	100.00%	0.78%	0.31%	1.53	0.44	0.01	4.45	0.05	0.02	24.02%	6.91%	0.16%	69.86%	0.78%	0.31%
		18	N/A	2	2.81	0.62	0.02	7.17	0.25	0	39.19%	8.79%	0.28%	100.00%	3.49%	0.00%	2.04	0.53	0.02	5.47	0.21	0	28.45%	7.39%	0.28%	76.29%	2.93%	0.00%
		19	N/A	2	3.28	0.62	0.02	8.99	0.11	0	36.48%	6.90%	0.22%	100.00%	1.22%	0.00%	2.34	0.51	0.01	7.04	0.08	0	26.03%	5.67%	0.11%	78.31%	0.89%	0.00%
		20	N/A	2	2.88	0.68	0.01	8.76	0.06	0.01	32.88%	7.76%	0.11%	100.00%	0.68%	0.11%	2	0.58	0.01	6.64	0.05	0.01	22.83%	6.62%	0.11%	75.80%	0.57%	0.11%
		24	N/A	5	4.85	1	0.03	12	1.45	0.01	40.42%	8.33%	0.25%	100.00%	12.08%	0.08%	3.45	0.83	0.03	8.59	1.26	0.01	28.75%	6.83%	0.25%	71.50%	10.50%	0.08%
		25	N/A	5	9.2	2.06	0.09	19.81	0.18	0.01	46.44%	10.40%	0.45%	100.00%	0.91%	0.05%	7.06	1.67	0.08	16.02	0.11	0.01	35.64%	8.43%	0.40%	80.87%	0.56%	0.05%
		26	N/A	5	8.76	2.58	0.06	20.6	0.11	0	42.52%	12.52%	0.29%	100.00%	0.53%	0.00%	6.86	2.15	0.05	16.61	0.08	0	33.30%	10.44%	0.24%	80.63%	0.39%	0.00%
		27	N/A	5	7.99	2.84	0.03	21.21	0.08	0.01	37.67%	13.39%	0.14%	100.00%	0.38%	0.05%	6.17	2.4	0.03	16.44	0.07	0.01	29.09%	11.32%	0.14%	77.51%	0.33%	0.05%
		28	N/A	5	5.08	2.03	0.04	17.8	0.13	0.09	28.54%	11.40%	0.22%	100.00%	0.73%	0.51%	3.63	1.63	0.03	12.8	0.12	0.09	20.39%	9.10%	0.17%	71.91%	0.67%	0.51%
		34	N/A	5	8.32	1.83	0.08	18.9	1	0.01	44.02%	9.68%	0.32%	100.00%	5.29%	0.05%	6.24	1.49	0.05	15.02	0.81	0.01	33.02%	7.88%	0.26%	79.47%	4.29%	0.05%
		35	N/A	5	9.06	2.4	0.08	20.23	0.22	0.01	44.78%	11.86%	0.40%	100.00%	1.09%	0.05%	7.03	1.94	0.07	16.34	0.19	0.01	34.75%	9.59%	0.35%	80.77%	0.94%	0.05%
		36	N/A	5	8.41	2.67	0.04	20.7	0.04	0.01	40.63%	12.90%	0.19%	100.00%	0.19%	0.05%	6.55	2.25	0.03	16.58	0.03	0.01	31.64%	10.87%	0.14%	80.10%	0.14%	0.05%
		37	N/A	5	6.9	2.55	0.04	20.42	0.06	0.03	33.79%	12.49%	0.20%	100.00%	0.29%	0.15%	5.12	2.06	0.04	15.54	0.05	0.03	25.07%	10.09%	0.20%	76.10%	0.24%	0.15%
		128	N/A	1	1.21	0.23	0.01	3.37	0.11	0.01	35.91%	6.82%	0.30%	100.00%	3.26%	0.30%	0.82	0.19	0.01	2.44	0.08	0.01	24.33%	5.64%	0.30%	72.40%	2.37%	0.30%
		130	N/A	1	1.06	0.21	0.01	3.54	0.19	0	29.94%	5.93%	0.28%	100.00%	5.37%	0.00%	0.68	0.18	0.01	2.51	0.17	0	19.49%	5.08%	0.28%	70.90%	4.80%	0.00%
		132	N/A	1	1.35	0.15	0.01	3.7	0.12	0	36.49%	4.05%	0.27%	100.00%	3.24%	0.00%	0.9	0.11	0.01	2.53	0.1	0	24.32%	2.97%	0.27%	68.38%	2.70%	0.00%
		134	N/A	1	1.09	0.3	0.01	3.7	0.09	0	29.46%	8.11%	0.27%	100.00%	2.43%	0.00%	0.72	0.26	0.01	2.74	0.07	0	19.46%	7.03%	0.27%	74.05%	1.89%	0.00%
		136	N/A	1	0.97	0.21	0.01	3.35	0.07	0	28.96%	6.27%	0.30%	100.00%	2.09%	0.00%	0.67	0.17	0.01	2.41	0.06	0	20.00%	5.07%	0.30%	71.94%	1.79%	0.00%
		138	N/A	2	2.1	0.53	0.02	6.22	0.29	0.01	33.76%	8.52%	0.32%	100.00%	4.66%	0.16%	1.47	0.44	0.02	4.36	0.25	0.01	23.63%	7.07%	0.32%	70.10%	4.02%	0.16%
		139	N/A	2	3.13	0.73	0.02	9.03	0.08	0	34.66%	8.08%	0.22%	100.00%	0.89%	0.00%	2.23	0.6	0.01	7.12	0.07	0	24.70%	6.64%	0.11%	78.85%	0.78%	0.00%
		140	N/A	2	2.82	0.74	0.01	8.32	0.05	0	33.89%	8.89%	0.12%	100.00%	0.60%	0.00%	2	0.61	0.01	6.65	0.04	0	24.04%	7.33%	0.12%	79.93%	0.48%	0.00%
		141	N/A	2	1.83	0.34	0.01	4.72	0.21	0.02	38.77%	7.20%	0.21%	100.00%	4.45%	0.42%	1.21	0.29	0.01	3.16	0.19	0.02	25.64%	6.14%	0.21%	66.95%	4.03%	0.42%
		146	N/A	2	2.84	0.64	0.02	7.96	0.23	0	35.68%	8.04%	0.25%	100.00%	2.89%	0.00%	2.02	0.52	0.02	6.01	0.2	0	25.38%	6.53%	0.25%	75.50%	2.51%	0.00%
1	Patch	147	N/A	2	3.34	0.51	0.02	7.52	0.16	0	44.41%	6.78%	0.27%	100.00%	2.13%	0.00%	2.43	0.41	0.02	5.86	0.13	0	32.31%	5.45%	0.27%	77.93%	1.73%	0.00%
		148	N/A	2	2.32	0.7	0.02	6.9	0.1	0.01	33.62%	10.14%	0.29%	100.00%	1.45%	0.14%	1.64	0.57	0.02	5.44	0.08	0.01	23.77%	8.26%	0.29%	78.84%	1.16%	0.14%
		152	N/A	5	4.52	1.49	0.05	16.86	2.17	0.01	26.81%	8.84%	0.30%	100.00%	12.87%	0.06%	2.97	1.25	0.05	11.63	1.91	0.01	17.62%	7.41%	0.30%	68.98%	11.33%	0.06%
		153	N/A	5	9.02	2.64	0.06	20.36	0.17	0	44.30%	12.97%	0.29%	100.00%	0.83%	0.00%	6.93	2.24	0.05	16.24	0.11	0	34.04%	11.00%	0.25%	79.76%	0.54%	0.00%
		154	N/A	5	8.45	2.39	0.07	19.44	0.09	0.01	43.47%	12.29%	0.36%	100.00%	0.46%	0.05%	6.49	2.05	0.07	15.57	0.07	0.01	33.38%	10.55%	0.36%	80.09%	0.36%	0.05%
		155	N/A	5	7.62	2.1	0.07	16.94	0.07	0.01	44.98%	12.40%	0.41%	100.00%	0.41%	0.06%	5.75	1.75	0.06	13.33	0.06	0.01	33.94%	10.33%	0.35%	78.69%	0.35%	0.06%
		156	N/A	5	5.33	1.06	0.03	13.37	0.35	0.06	39.87%	7.85%	0.22%	100.00%	2.62%	0.45%	3.76	0.81	0.03	9.65	0.32	0.06	28.12%	6.06%	0.22%	72.18%	2.39%	0.45%
		162	N/A	5	7.53	2.08	0.04	19.38	0.54	0	38.85%	10.73%	0.21%	100.00%	4.85%	0.00%	5.59	1.63	0.04	15.23	0.72	0	28.84%	8.41%	0.21%	78.59%	3.72%	0.00%
		163	N/A	5	9.28	2.64	0.07	21.1	0.11	0.01	43.98%	12.51%	0.33%	100.00%	0.52%	0.05%	7.15	2.3	0.06	16.86	0.09	0.01	33.89%	10.90%	0.28%	79.91%	0.43%	0.05%
		164	N/A	5	7.78	2.27	0.07	17.03	0.08	0.01	45.68%	13.33%	0.41%	100.00%	0.47%	0.06%	6.02	1.93	0.06	13.68	0.07	0.01	35.35%	11.33%	0.35%	80.33%	0.41%	0.06%
		165	N/A	5	7.43	1.71	0.06	17.44	0.13	0.02	42.60%	9.81%	0.34%	100.00%	0.75%	0.11%	5.35	1.34	0.05	13.38	0.11	0.02	30.68%	7.68%	0.29%	76.72%	0.63%	0.11%
		0	128	2	3.3	0.59	0.02	7.91	0.27	0.02	41.72%	7.46%	0.25%	100.00%	3.41%	0.25%	2.27	0.49	0.02	5.83	0.21	0.02	28.70%	6.19%	0.25%	73.70%	2.65%	0.25%
		2	130	2	3.32	0.46	0.03	8.41	0.29	0.02	39.48%	5.47%	0.36%	100.00%	3.45%	0.24%	2.24	0.37	0.02	5.75	0.24	0.02	26.63%	4.40%	0.24%	68.37%	2.85%	0.24%
		4	132	2	3.5	0.51	0.02	9.04	0.26	0.02	38.72%	5.64%	0.22%	100.00%	2.88%	0.22%	2.35	0.42	0.02	6.19	0.23	0.01	26.00%	4.65%	0.22%	68.47%	2.54%	0.11%
		6	134	2	3.11	0.6	0.02	8.82	0.22	0.01	35.26%	6.80%	0.23%	100.00%	2.49%	0.11%	2.06	0.49	0.02	6.3	0.18	0.01	23.36%	5.56%	0.23%	71.43%	2.04%	0.11%
		8	136	2	2.62	0.55	0.02	7.39	0.12	0.01	35.45%	7.44%	0.27%	100.00%	1.62%	0.14%	1.82	0.49	0.02	5.21	0.11	0.01	24.63%	6.09%	0.27%	70.50%	1.49%	0.14%
		10	138	4	3.99	1.47	0.06	12.11	0.63	0.03	32.95%	12.14%	0.50%	100.00%	5.20%	0.25%	2.8	1.16	0.05	8.67	0.54	0.03	23.12%	9.58%	0.41%	71.59%	4.46%	0.25%
		11	139	4	5.96	1.44	0.04	17.39	0.24	0	34.27%	8.28%	0.23%	100.00%	1.38%	0.00%	4.27	1.2	0.04	13.64	0.2	0	24.55%	6.90%	0.23%	78.44%	1.15%	0.00%
		12	140	4	6.89	1.37	0.04	18.2	0.13	0.02	37.86%	7.53%	0.22%	100.00%	0.71%	0.11%	5.05	1.12	0.04	13.68	0.11	0.02	27.75%	6.15%	0.22%	75.16%	0.60%	0.11%
		13	141	4	6.18	1.31	0.03	12.81	0.27	0.06	48.24%	10.23%	0.23%	100.00%	2.11%	0.47%	4.27	1.07	0.03	8.79	0.24	0.06	33.33%	8.35%	0.23%	68.62%	1.87%	0.47%
		18	146	4	5.15	1.52	0.05	15.15	0.5	0.01	33.99%	10.03%	0.33%	100.00%	3.30%	0.07%	3.68	1.3	0.04	11.3	0.44	0.01	24.29%	8.58%	0.26%	74.59%	2.90%	0.07%
		19	147	4	7.81	1.4	0.07	17.1	0.32	0.01	45.67%	8.19%	0.41%	100.00%	1.87%	0.06%	5.93	1.12	0.06	13.31	0.25	0.01	34.68%	6.55%	0.35%	77.84%	1.46%	0.06%
		20	148	4	5.79	1.67	0.03	17.27	0.2	0.03	33.53%	9.67%	0.17%	100.00%	1.16%	0.17%	4.07	1.36	0.03	13.15	0.16	0.03	23.57%	7.87%	0.17%	76.14%	0.93%	0.17%
		24	152	10	12.94	3.15	0.1	33.31	3.71	0.03	38.85%	9.46%	0.30%	100.00%	11.14%	0.09%	8.82	2.54	0.09	23.07	3.32	0.03	26.48%	7.63%	0.27%	69.26%	9.97%	0.09%
		25	153	10	24.84	5.4	0.28	43.5	0.41	0.02	57.10%	12.41%	0.64%	100.00%	0.94%	0.05%	19.42	4.39	0.24	34.29	0.26	0.02	44.64%	10.09%	0.55%	78.83%	0.60%	0.05%
		26	154	10	22.53	5.81	0.24	42.21	0.21	0.01	53.38%	13.76%	0.57%	100.00%	0.50%	0.02%	17.96	4.85	0.21	33.56	0.17	0.01	42.53%	11.49%	0.50%	79.48%	0.40%	0.02%
		27	155	10	21.91	5.53	0.15	43.81	0.22	0.02	50.01%	12.62%	0.34%	100.00%	0.50%	0.05%	17.02	4.75	0.12	33.33	0.18	0.02	38.85%	10.84%	0.27%	76.08%	0.41%	0.05%
		28	156	10	15.47	4.49	0.09	37.2	0.81	0.24	41.59%	12.07%	0.24%	100.00%	2.18%	0.65%	10.68	3.53	0.07	26.56	0.75	0.23	28.71%	9.46%	0.19%	71.40%	2.02%	0.62%
		34	162	10	21.92	4.26	0.18	41.49	2.46	0.02	52.83%	10.27%	0.43%	100.00%	5.93%	0.05%	16.4	3.47	0.16	32.22	1.54	0.02	39.53%	8.36%	0.39%	77.66%	4.68%	0.05%
		35	163	10	24.57	5.8	0.28	44.46	0.35	0.02	55.26%	13.05%	0.63%	100.00%	0.79%	0.04%	19.48	4.74	0.25	34.91	0.3	0.02	43.81%	10.66%	0.56%	78.52%	0.67%	0.04%
		36	164	10	21.57	5.66	0.17	40.57	0.16	0.02	53.17%	13.95%	0.42%	100.00%	0.39%	0.05%	17.19	4.76	0.15	31.92	0.13	0.02	42.37%	11.73%	0.37%	78.68%	0.32%	0.05%
		37	165	10	21.47	5.3	0.15	44.64	0.25	0.06	48.10%	11.87%	0.34%	100.00%	0.56%	0.13%	15.79	4.28	0.11	33.67	0.21	0.06	35.37%	9.59%	0.25%	75.43%	0.47%	0.13%

3.1.2 PD simulation at 39GHz

Table 4 and Table 5 show the PD simulation evaluation of ANT#0 and ANT#1 patch antenna at 39GHz for the corresponding evaluation planes specified in Table 1.

Table 4.PD of ANT#0 – patch antenna (39GHz)

- ANT#0 Low CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/(Worst surface at 2mm)	Rear/(Worst surface at 2mm)	Left/(Worst surface at 2m)	Right/(Worst surface at 2mm)	Top/(Worst surface at 2mm)	Bottom/(Worst surface at 2mm)
		1	N/A	1	0.77	0.13	2.83	0.01	0.01	0.02	27.21%	4.59%	100.00%	0.35%	0.35%	0.71%	0.5	0.11	1.91	0	0.01	0.02	17.67%	3.89%	67.49%	0.00%	0.35%	0.71%
		3	N/A	1	0.87	0.22	3.57	0	0.01	0.04	24.37%	6.44%	100.00%	0.00%	0.28%	1.12%	0.56	0.19	2.53	0	0.01	0.03	15.13%	5.32%	70.87%	0.00%	0.28%	0.84%
		5	N/A	1	0.8	0.34	4.12	0	0.01	0.06	19.42%	8.25%	100.00%	0.00%	0.24%	1.46%	0.46	0.3	2.91	0	0.01	0.05	11.17%	7.28%	70.63%	0.00%	0.24%	1.21%
		7	N/A	1	0.71	0.31	3.48	0.01	0.01	0.05	20.40%	8.91%	100.00%	0.29%	0.29%	1.44%	0.45	0.27	2.45	0	0.01	0.04	12.93%	7.76%	70.40%	0.00%	0.29%	1.15%
		9	N/A	1	0.65	0.29	3.38	0	0.01	0.07	19.23%	8.58%	100.00%	0.00%	0.30%	2.07%	0.42	0.25	2.3	0	0.01	0.06	12.43%	7.40%	68.05%	0.00%	0.30%	1.78%
		14	N/A	2	2.21	0.57	6.1	0	0	0.02	36.23%	9.34%	100.00%	0.00%	0.00%	0.33%	1.5	0.48	4.9	0	0	0.02	24.59%	7.87%	80.33%	0.00%	0.00%	0.33%
		15	N/A	2	1.72	0.66	7.45	0.01	0.02	0.08	23.09%	8.86%	100.00%	0.13%	0.27%	1.07%	1.11	0.54	5.45	0.01	0.01	0.07	14.90%	7.25%	73.15%	0.13%	0.13%	0.94%
		16	N/A	2	1.19	0.23	6.23	0.01	0.02	0.12	19.10%	3.69%	100.00%	0.16%	0.32%	1.93%	0.76	0.17	3.55	0.01	0.02	0.1	12.20%	2.73%	56.98%	0.16%	0.32%	1.61%
		17	N/A	2	1.22	0.33	6.34	0.01	0.02	0.11	19.24%	5.21%	100.00%	0.16%	0.32%	1.74%	0.82	0.25	3.69	0.01	0.02	0.1	12.93%	3.94%	58.20%	0.16%	0.32%	1.58%
		21	N/A	2	1.14	0.47	7.22	0.01	0.03	0.17	15.79%	6.51%	100.00%	0.14%	0.42%	2.35%	0.76	0.39	4.38	0.01	0.02	0.15	10.53%	5.40%	60.66%	0.14%	0.28%	2.08%
		22	N/A	2	1.83	0.76	7.26	0.01	0.02	0.11	25.21%	10.47%	100.00%	0.14%	0.28%	1.52%	1.19	0.67	5.37	0.01	0.02	0.09	16.39%	9.23%	73.97%	0.14%	0.28%	1.24%
		23	N/A	2	1.14	0.26	6.27	0.01	0.02	0.11	18.18%	4.15%	100.00%	0.16%	0.32%	1.75%	0.69	0.19	3.57	0.01	0.02	0.1	11.00%	3.03%	56.94%	0.16%	0.32%	1.59%
		29	N/A	5	5.07	2.81	16.34	0.03	0	0.05	31.03%	17.20%	100.00%	0.18%	0.00%	0.31%	3.59	2.59	13.6	0.03	0	0.04	21.97%	15.79%	83.23%	0.18%	0.00%	0.24%
		30	N/A	5	4.79	2.53	15.24	0.03	0.01	0.04	31.43%	16.60%	100.00%	0.20%	0.07%	0.26%	3.3	2.35	12.33	0.03	0.01	0.03	21.65%	15.42%	80.91%	0.20%	0.07%	0.20%
		31	N/A	5	4.51	1.43	12.45	0.04	0.02	0.2	36.22%	11.49%	100.00%	0.32%	0.16%	1.61%	3.21	1.23	9.35	0.03	0.02	0.16	25.78%	9.88%	75.10%	0.24%	0.16%	1.29%
		32	N/A	5	4.17	0.99	13.47	0.02	0.14	0.79	30.96%	7.35%	100.00%	0.15%	1.04%	5.86%	2.73	0.78	9.19	0.02	0.14	0.66	20.27%	5.79%	68.23%	0.15%	1.04%	4.90%
		33	N/A	5	3.05	1.84	13.21	0.02	0.02	0.26	23.09%	13.93%	100.00%	0.15%	0.15%	1.97%	2.32	1.51	10.04	0.02	0.02	0.25	17.56%	11.43%	76.00%	0.15%	0.15%	1.89%
		38	N/A	5	2.74	1.24	13.49	0.02	0.08	0.63	20.31%	9.15%	100.00%	0.15%	0.59%	4.67%	2.11	1.01	8.88	0.02	0.08	0.57	15.64%	7.49%	65.83%	0.15%	0.59%	4.23%
		39	N/A	5	3.52	2.24	13.94	0.02	0.01	0.13	25.25%	16.07%	100.00%	0.14%	0.07%	0.93%	2.54	1.99	11.25	0.01	0.01	0.1	18.22%	14.28%	80.70%	0.07%	0.07%	0.72%
		40	N/A	5	4.51	2.34	15.44	0.02	0.01	0.06	29.21%	15.16%	100.00%	0.13%	0.06%	0.39%	3.18	2.1	12.8	0.01	0.01	0.05	20.40%	13.60%	82.90%	0.06%	0.06%	0.32%
		41	N/A	5	3.35	0.63	13.51	0.02	0.14	0.93	24.80%	4.66%	100.00%	0.15%	1.04%	6.88%	2	0.54	7.1	0.02	0.13	0.83	14.80%	4.00%	52.55%	0.15%	0.96%	6.14%
		129	N/A	1	0.71	0.19	2.88	0	0.01	0.01	24.65%	6.60%	100.00%	0.00%	0.35%	0.35%	0.46	0.15	2.06	0	0.01	0.01	15.97%	5.21%	71.53%	0.00%	0.35%	0.35%
		131	N/A	1	0.65	0.31	3.62	0	0.01	0.03	17.96%	8.56%	100.00%	0.00%	0.28%	0.83%	0.42	0.26	2.61	0	0.01	0.02	11.60%	7.18%	72.10%	0.00%	0.28%	0.55%
		133	N/A	1	1.09	0.31	4.56	0	0.01	0.06	23.90%	6.80%	100.00%	0.00%	0.22%	1.32%	0.68	0.25	3.3	0	0.01	0.06	14.91%	5.48%	72.37%	0.00%	0.22%	1.32%
		135	N/A	1	0.86	0.32	3.98	0	0.01	0.06	21.61%	8.04%	100.00%	0.00%	0.25%	1.51%	0.52	0.26	2.8	0	0.01	0.05	13.07%	6.53%	70.35%	0.00%	0.25%	1.26%
		137	N/A	1	0.81	0.27	3.59	0.01	0.01	0.06	22.56%	7.52%	100.00%	0.28%	0.28%	1.67%	0.5	0.23	2.43	0.01	0.01	0.05	13.93%	6.41%	67.69%	0.28%	0.28%	1.39%
		142	N/A	2	1.84	0.73	6.64	0.01	0	0.01	27.71%	10.99%	100.00%	0.15%	0.00%	0.15%	1.36	0.6	5.46	0.01	0	0.01	18.98%	9.04%	82.23%	0.15%	0.00%	0.15%
		143	N/A	2	2.48	0.97	7.86	0.01	0	0.03	31.55%	12.34%	100.00%	0.13%	0.00%	0.38%	1.66	0.8	6.49	0	0	0.03	21.12%	10.18%	82.57%	0.00%	0.00%	0.38%
		144	N/A	2	0.88	0.49	5.85	0.01	0.02	0.06	15.04%	8.38%	100.00%	0.17%	0.34%	1.03%	0.55	0.41	3.38	0.01	0.02	0.06	9.40%	7.01%	57.78%	0.17%	0.34%	1.03%
		145	N/A	2	1	0.4	5.95	0.01	0.02	0.07	16.81%	6.72%	100.00%	0.17%	0.34%	1.18%	0.63	0.34	3.42	0.01	0.02	0.06	10.59%	5.71%	57.48%	0.17%	0.34%	1.01%
		149	N/A	2	1.2	0.54	7.73	0.01	0.02	0.15	15.52%	6.99%	100.00%	0.13%	0.26%	1.94%	0.68	0.44	4.9	0.01	0.02	0.13	8.80%	5.69%	63.39%	0.13%	0.26%	1.68%
0	Patch	150	N/A	2	2.16	0.82	8.74	0.01	0.02	0.16	24.71%	9.38%	100.00%	0.11%	0.23%	1.83%	1.42	0.64	5.94	0.01	0.02	0.13	16.25%	7.32%	67.96%	0.11%	0.23%	1.49%
		151	N/A	2	0.88	0.49	5.85	0.01	0.02	0.06	15.04%	8.38%	100.00%	0.17%	0.34%	1.03%	0.55	0.41	3.38	0.01	0.02	0.06	9.40%	7.01%	57.78%	0.17%	0.34%	1.03%
		157	N/A	5	6.03	2.93	17.69	0.02	0.01	0.06	34.28%	16.66%	100.00%	0.11%	0.06%	0.34%	4.27	2.56	14.68	0.02	0.01	0.05	24.28%	14.55%	83.48%	0.11%	0.06%	0.28%
		158	N/A	5	5.05	3.01	16.16	0.01	0.01	0.06	31.25%	18.63%	100.00%	0.06%	0.06%	0.37%	3.73	2.61	13.47	0.01	0.01	0.05	23.08%	16.15%	83.35%	0.06%	0.06%	0.31%
		159	N/A	5	4.07	2.44	14.24	0.02	0.02	0.2	28.58%	17.13%	100.00%	0.14%	0.14%	1.40%	3.03	1.92	11.21	0.02	0.02	0.14	21.28%	13.48%	78.72%	0.14%	0.14%	0.98%
		160	N/A	5	3.03	1.12	14.79	0.03	0.1	0.67	20.49%	7.57%	100.00%	0.20%	0.68%	4.53%	2.11	0.9	9.4	0.03	0.1	0.54	14.27%	6.09%	63.56%	0.20%	0.68%	3.65%
		161	N/A	5	3.21	1.35	11.95	0.02	0.02	0.23	26.86%	11.30%	100.00%	0.17%	0.17%	1.92%	2.24	1.14	9.01	0.02	0.02	0.21	18.74%	9.54%	75.40%	0.17%	0.17%	1.76%
		166	N/A	5	3.22	1.14	13.61	0.02	0.08	0.59	24.75%	8.76%	100.00%	0.15%	0.61%	4.53%	2	0.95	8.91	0.02	0.07	0.53	15.37%	7.30%	68.49%	0.15%	0.54%	4.07%
		167	N/A	5	4.51	2.18	14.83	0.03	0.01	0.08	30.41%	14.70%	100.00%	0.20%	0.07%	0.54%	3.18	1.91	11.86	0.03	0.01	0.06	21.44%	12.88%	79.97%	0.20%	0.07%	0.40%
		168	N/A	5	5.88	2.7	17.2	0.03	0.01	0.05	34.19%	15.70%	100.00%	0.17%	0.06%	0.29%	4.15	2.34	14.4	0.02	0.01	0.04	24.13%	13.60%	83.72%	0.12%	0.06%	0.23%
		169	N/A	5	2.87	0.76	14.97	0.02	0.14	0.85	19.17%	4.94%	100.00%	0.20%	0.94%	5.68%	1.83	0.66	7.38	0.03	0.13	0.72	12.22%	4.41%	49.30%	0.20%	0.87%	4.81%
		1	129	2	1.88	0.44	5.95	0.01	0.02	0.05	31.60%	7.39%	100.00%	0.17%	0.34%	0.84%	1.25	0.37	4.29	0.01	0.01	0.04	21.01%	6.22%	72.10%	0.17%	0.17%	0.67%
		3	131	2	2.13	0.7	7.3	0.01	0.02	0.09	28.40%	9.33%	100.00%	0.13%	0.27%	1.20%	1.37	0.59	5.37	0.01	0.02	0.08	18.27%	7.87%	71.60%	0.13%	0.27%	1.07%
		5	133	2	2.75	0.83	9.03	0.01	0.03	0.19	30.45%	9.19%	100.00%	0.11%	0.33%	2.10%	1.71	0.7	6.53	0.01	0.02	0.16	18.94%	7.75%	72.31%	0.11%	0.22%	1.77%
		7	135	2	2.24	0.82	7.76	0.01	0.03	0.17	28.87%	10.57%	100.00%	0.13%	0.39%	2.19%	1.44	0.69	5.43	0.01	0.03	0.14	18.56%	8.89%	69.97%	0.13%	0.39%	1.80%
		9	137	2	2.03	0.84	7.29	0.01	0.02	0.16	27.85%	11.52%	100.00%	0.14%	0.27%	2.19%	1.29	0.74	5.07	0.01	0.02	0.14	17.70%	10.15%	69.55%	0.14%	0.27%	1.92%
		14	142	4	4.97	1.61	13.38	0.02	0.01	0.04	37.14%	12.03%	100.00%	0.15%	0.07%	0.30%	3.46	1.34	10.88	0.02	0.01	0.03	25.86%	10.01%	81.32%	0.15%	0.07%	0.22%
		15	143	4	4.9	1.65	16.18	0.02	0.02	0.15	30.28%	10.20%	100.00%	0.12%	0.12%	0.93%	3.22	1.35	12.74	0.01	0.02	0.14	19.90%	8.34%	78.74%	0.06%	0.12%	0.87%
		16	144	4	2.92	1.02	13.12	0.03	0.07	0.25	22.26%	7.77%	100.00%	0.23%	0.53%	1.91%	1.86	0.86	8.08	0.02	0.07	0.22	14.18%	6.55%	61.59%	0.15%	0.53%	1.68%
		17	145	4	3.66	0.83	12.87	0.03	0.07	0.25	28.44%	6.45%	100.00%	0.23%	0.54%	1.94%	2.38	0.71	7.69	0.02	0.06	0.21	18.49%	5.52%	59.75%	0.16%	0.47%	1.63%
		21	149	4	3.31	1.22	15.71	0.02	0.08	0.42	21.07%	7.77%	100.00%	0.13%	0.51%	2.67%	2	1.02	10.04	0.02	0.08	0.36	12.73%	6.49%	63.91%	0.13%	0.51%	2.29%
		22	150	4	5.61	1.82	17.44	0.02	0.07	0.39	32.17%	10.44%	100.00%	0.11%	0.40%	2.24%	3.73	1.52	12.52	0.02	0.07	0.32	21.39%	8.72%	71.79%	0.11%	0.40%	1.83%
		23	151	4	3.11	0.98	13.05	0.03	0.07	0.25	23.83%	7.51%	100.00%	0.23%	0.54%	1.92%	1.98	0.84	7.98	0.02	0.07	0.22	15.17%	6.44%	61.15%	0.15%	0.54%	1.65%
		29	157	10	13.1	6.96	35.41	0.08	0.02	0.14	37.00%	19.66%	100.00%	0.23%	0.06%	0.40%	9.53	6.35	29.73	0.08	0.01	0.12	26.91%	17.93%	83.96%	0.23%	0.03%	0.34%
		30	158	10	14.21	7.76	32.97	0.06	0.03	0.11	43.10%	23.54%	100.00%	0.18%	0.09%	0.33%	10.42	7.1	27.19	0.06	0.03	0.1	31.60%	21.53%	82.47%	0.18%	0.09%	0.30%
		31	159	10	14.15	5.41	31.94	0.1	0.05	0.63	44.30%	16.94%	100.00%	0.31%	0.16%	1.97%	10.28	4.61	25	0.07	0.05	0.48	32.19%	14.43%	78.27%	0.22%	0.16%	1.50%
		32	160	10	11.84	2.95	35.09	0.09	0.39	2.1	33.74%	8.41%	100.00%	0.26%	1.11%	5.98%	8.01	2.41	23.27	0.08	0.37	1.72	22.83%	6.87%	66.32%	0.23%	1.05%	4.90%
		33	161	10	8.52	4.56	30.53	0.05	0.04	0.54	27.91%	14.94%	100.00%	0.16%	0.13%	1.77%	6.27	3.91	23.08	0.05	0.04	0.49	20.54%	12.81%	75.60%	0.16%	0.13%	1.60%
		38	166	10	8.4	3.16	31.63	0.07	0.23	1.47	26.56%	9.99%	100.00%	0.22%	0.73%	4.65%	5.77	2.71	21.64	0.07	0.21	1.31	18.24%	8.57%	68.42%	0.22%	0.66%	4.14%
		39	167	10	10.13	5.42	32.37	0.05	0.03	0.3	31.29%	16.74%	100.00%	0.15%	0.09%	0.93%	7.36	4.73	26.72	0.04	0.03	0.23	22.74%	14.61%	82.55%	0.12%	0.09%	0.71%
		40	168	10	11.54	5.84	34.58	0.07	0.01	0.15	33.37%	16.89%	100.00%	0.20%	0.03%	0.43%	8.03	5.2	29.27	0.06	0.01	0.13	23.22%	15.04%	84.64%	0.17%	0.03%	0.38%
		41	169	10	10.17	1.59	33.9	0.09	0.44	2.31	30.00%	4.69%	100.00%	0.27%	1.30%	6.81%	6.16	1.36	17.96	0.08	0.42	1.99	18.17%	4.01%	52.98%	0.24%	1.24%	5.87%

- ANT#0 Mid CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
		1	N/A	1	0.79	0.16	3.09	0.01	0.01	0.02	25.57%	5.18%	100.00%	0.32%	0.32%	0.65%	0.5	0.13	2.09	0	0	0.02	16.18%	4.21%	67.64%	0.00%	0.00%	0.65%
		3	N/A	1	0.96	0.24	3.61	0	0.01	0.03	26.59%	6.65%	100.00%	0.00%	0.28%	0.83%	0.63	0.2	2.58	0	0.01	0.03	17.45%	5.54%	71.47%	0.00%	0.28%	0.83%
		5	N/A	1	1.06	0.31	4.44	0	0.01	0.05	23.87%	6.98%	100.00%	0.00%	0.23%	1.13%	0.68	0.25	3.19	0	0.01	0.05	14.86%	5.63%	71.85%	0.00%	0.23%	1.13%
		7	N/A	1	1.16	0.24	4.02	0	0.01	0.05	28.86%	5.97%	100.00%	0.00%	0.25%	1.24%	0.75	0.19	2.88	0	0.01	0.04	18.66%	4.73%	71.64%	0.00%	0.25%	1.00%
		9	N/A	1	0.96	0.24	3.7	0.01	0.01	0.05	25.95%	6.49%	100.00%	0.27%	0.27%	1.35%	0.64	0.2	2.58	0.01	0.01	0.05	17.30%	5.41%	69.73%	0.27%	0.27%	1.35%
		14	N/A	2	2.56	0.51	6.5	0.01	0.01	0.01	39.38%	7.85%	100.00%	0.15%	0.15%	0.15%	1.92	0.43	5.09	0.01	0.01	0.01	28.00%	6.62%	78.31%	0.15%	0.15%	0.15%
		15	N/A	2	1.87	0.64	7.71	0.01	0.02	0.06	24.25%	8.30%	100.00%	0.13%	0.26%	0.78%	1.29	0.52	5.59	0.01	0.02	0.06	16.73%	6.74%	72.50%	0.13%	0.26%	0.78%
		16	N/A	2	1.28	0.29	6.57	0.01	0.02	0.1	19.48%	4.41%	100.00%	0.15%	0.30%	1.52%	0.82	0.24	4	0.01	0.02	0.09	12.48%	3.65%	60.88%	0.15%	0.30%	1.37%
		17	N/A	2	1.04	0.38	6.57	0.01	0.02	0.1	15.83%	5.78%	100.00%	0.15%	0.30%	1.52%	0.62	0.31	3.99	0.01	0.01	0.09	9.44%	4.72%	60.73%	0.15%	0.15%	1.37%
		21	N/A	2	1.48	0.42	7.81	0.01	0.02	0.14	18.95%	5.51%	100.00%	0.13%	0.26%	1.79%	0.82	0.36	5.27	0.01	0.02	0.12	10.50%	4.61%	67.48%	0.13%	0.26%	1.54%
		22	N/A	2	2.15	0.61	7.56	0.01	0.02	0.11	28.44%	8.07%	100.00%	0.13%	0.26%	1.46%	1.47	0.5	5.72	0.01	0.01	0.09	19.44%	6.61%	75.66%	0.13%	0.13%	1.19%
		23	N/A	2	1.14	0.32	6.57	0.01	0.02	0.1	17.35%	4.87%	100.00%	0.15%	0.30%	1.52%	0.72	0.26	3.98	0.01	0.02	0.09	10.96%	3.96%	60.58%	0.15%	0.30%	1.37%
		29	N/A	5	7.16	2.3	17.74	0.04	0.01	0.04	40.36%	12.97%	100.00%	0.23%	0.06%	0.23%	5.33	1.95	14.49	0.04	0.01	0.04	30.05%	10.99%	81.68%	0.23%	0.06%	0.23%
		30	N/A	5	6.96	1.54	15.79	0.06	0.01	0.05	44.08%	9.75%	100.00%	0.38%	0.06%	0.32%	5.14	1.31	12.6	0.05	0.01	0.05	32.55%	8.30%	79.80%	0.32%	0.06%	0.32%
		31	N/A	5	4.98	1.24	13.66	0.05	0.04	0.15	36.46%	9.08%	100.00%	0.37%	0.29%	1.10%	3.54	1.12	10.17	0.03	0.03	0.11	25.92%	8.20%	74.45%	0.22%	0.22%	0.81%
		32	N/A	5	4.24	1.24	14.42	0.02	0.11	0.67	29.40%	8.60%	100.00%	0.14%	0.76%	4.65%	2.78	1.09	9.83	0.02	0.1	0.55	19.28%	7.56%	68.17%	0.14%	0.69%	3.81%
		33	N/A	5	2.4	2.1	14.35	0.02	0.02	0.3	16.72%	14.63%	100.00%	0.14%	0.14%	2.09%	1.67	1.77	11.06	0.02	0.02	0.26	11.64%	12.33%	77.07%	0.14%	0.14%	1.81%
		38	N/A	5	2.69	1.61	14.58	0.02	0.07	0.61	17.96%	10.75%	100.00%	0.20%	0.47%	4.07%	1.86	1.4	10.68	0.02	0.07	0.56	12.35%	9.35%	71.30%	0.13%	0.47%	3.74%
		39	N/A	5	3.86	2.15	15.4	0.03	0.01	0.12	25.06%	14.22%	100.00%	0.19%	0.06%	0.78%	2.59	1.92	12.29	0.02	0.01	0.1	16.82%	12.47%	79.81%	0.13%	0.06%	0.65%
		40	N/A	5	6.18	2.04	16.51	0.02	0.02	0.08	37.43%	12.36%	100.00%	0.12%	0.12%	0.48%	4.48	1.76	13.54	0.02	0.02	0.07	26.95%	10.66%	82.01%	0.12%	0.12%	0.42%
		41	N/A	5	3.48	0.95	14.95	0.03	0.12	0.81	23.28%	6.35%	100.00%	0.20%	0.80%	5.42%	2.17	0.81	8.91	0.02	0.11	0.7	14.52%	5.42%	59.60%	0.13%	0.74%	4.68%
		129	N/A	1	0.95	0.17	3.24	0	0.01	0.02	29.32%	5.25%	100.00%	0.00%	0.31%	0.62%	0.63	0.14	2.29	0	0.01	0.02	19.44%	4.32%	70.68%	0.00%	0.31%	0.62%
		131	N/A	1	1.05	0.27	3.99	0.01	0.01	0.04	26.32%	6.77%	100.00%	0.25%	0.25%	1.00%	0.7	0.23	2.82	0	0.01	0.04	17.54%	5.76%	70.68%	0.00%	0.25%	1.00%
		133	N/A	1	1.2	0.33	4.75	0.01	0.01	0.05	25.26%	6.95%	100.00%	0.21%	0.21%	1.05%	0.76	0.29	3.36	0.01	0.01	0.04	16.00%	6.11%	70.74%	0.21%	0.21%	0.84%
		135	N/A	1	1.07	0.33	4.34	0	0.01	0.05	24.65%	7.60%	100.00%	0.00%	0.23%	1.15%	0.64	0.27	3.04	0	0.01	0.04	14.75%	6.22%	70.05%	0.00%	0.23%	0.92%
		137	N/A	1	0.98	0.24	4.08	0.01	0.01	0.08	24.02%	5.88%	100.00%	0.25%	0.25%	1.96%	0.58	0.2	2.72	0.01	0.01	0.07	14.22%	4.90%	66.67%	0.25%	0.25%	1.72%
		142	N/A	2	2.55	0.68	7.12	0.01	0.01	0.02	35.81%	9.55%	100.00%	0.14%	0.14%	0.28%	1.84	0.56	5.77	0.01	0.01	0.02	25.84%	7.87%	81.04%	0.14%	0.14%	0.28%
		143	N/A	2	2.97	0.96	8.64	0.01	0	0.04	34.38%	11.11%	100.00%	0.12%	0.00%	0.46%	2.05	0.81	6.78	0.01	0	0.03	23.73%	9.38%	78.47%	0.12%	0.00%	0.35%
		144	N/A	2	1.36	0.54	6.98	0.01	0.02	0.1	19.48%	7.74%	100.00%	0.14%	0.29%	1.43%	0.84	0.46	4.22	0.01	0.02	0.09	12.03%	6.59%	60.46%	0.14%	0.29%	1.29%
		145	N/A	2	1.61	0.46	7.04	0.01	0.02	0.1	22.87%	6.53%	100.00%	0.14%	0.28%	1.42%	1.04	0.4	4.17	0.01	0.02	0.09	14.77%	5.68%	59.23%	0.14%	0.28%	1.28%
		149	N/A	2	1.65	0.57	8.48	0.01	0.02	0.16	19.46%	6.72%	100.00%	0.12%	0.24%	1.89%	1.1	0.47	5.54	0.01	0.02	0.14	12.97%	5.54%	65.33%	0.12%	0.24%	1.65%
0	Patch	150	N/A	2	2.32	0.88	9	0.01	0.02	0.12	25.78%	9.78%	100.00%	0.11%	0.22%	1.33%	1.51	0.75	5.95	0.01	0.02	0.1	16.78%	8.33%	66.11%	0.11%	0.22%	1.11%
		151	N/A	2	1.36	0.54	6.98	0.01	0.02	0.1	19.48%	7.74%	100.00%	0.14%	0.29%	1.43%	0.84	0.46	4.22	0.01	0.02	0.09	12.03%	6.59%	60.46%	0.14%	0.29%	1.29%
		157	N/A	5	7.63	2.61	18.78	0.02	0	0.05	40.63%	13.90%	100.00%	0.11%	0.00%	0.27%	5.48	2.31	14.92	0.02	0	0.04	29.18%	12.30%	79.45%	0.11%	0.00%	0.21%
		158	N/A	5	5	3.08	17.17	0.01	0.02	0.11	29.12%	17.94%	100.00%	0.06%	0.12%	0.64%	3.45	2.73	13.47	0.01	0.02	0.09	20.09%	15.90%	78.45%	0.06%	0.12%	0.52%
		159	N/A	5	3.76	2.61	15.52	0.02	0.05	0.24	24.23%	16.82%	100.00%	0.13%	0.32%	1.55%	2.66	2.2	11.91	0.02	0.05	0.17	17.14%	14.18%	76.74%	0.13%	0.32%	1.10%
		160	N/A	5	4.01	1.51	15.38	0.04	0.12	0.63	26.07%	9.82%	100.00%	0.26%	0.78%	4.10%	2.92	1.21	10.65	0.04	0.12	0.52	18.99%	7.87%	69.25%	0.26%	0.78%	3.38%
		161	N/A	5	5.09	1.66	15.65	0.03	0.02	0.28	32.52%	10.61%	100.00%	0.19%	0.13%	1.79%	3.63	1.41	11.72	0.02	0.02	0.26	23.07%	9.01%	74.89%	0.13%	0.13%	1.66%
		166	N/A	5	4.1	1.72	15.39	0.05	0.06	0.68	26.64%	11.24%	100.00%	0.32%	0.39%	4.42%	2.77	1.5	10.66	0.04	0.05	0.62	18.00%	9.75%	69.27%	0.26%	0.32%	4.03%
		167	N/A	5	6.21	1.72	15.49	0.04	0.02	0.12	40.09%	11.10%	100.00%	0.26%	0.13%	0.77%	4.47	1.39	12.43	0.03	0.02	0.09	28.86%	8.97%	80.25%	0.19%	0.13%	0.58%
		168	N/A	5	7.5	2.34	18.19	0.04	0.01	0.08	41.23%	12.86%	100.00%	0.22%	0.05%	0.44%	5.37	1.91	14.53	0.03	0.01	0.06	29.52%	10.50%	79.88%	0.16%	0.05%	0.33%
		169	N/A	5	3.16	1.23	15.49	0.05	0.12	0.87	20.40%	7.94%	100.00%	0.32%	0.77%	5.62%	2.05	1.03	8.51	0.05	0.11	0.76	13.49%	6.65%	54.94%	0.32%	0.71%	4.91%
		1	129	2	2.22	0.46	7.03	0.02	0.01	0.06	31.58%	6.54%	100.00%	0.28%	0.14%	0.85%	1.45	0.38	4.93	0.01	0.01	0.05	20.63%	5.41%	70.13%	0.14%	0.14%	0.71%
		3	131	2	2.92	0.71	8.17	0.01	0.02	0.13	35.74%	8.69%	100.00%	0.12%	0.24%	1.59%	1.96	0.6	6.03	0.01	0.02	0.12	23.99%	7.34%	73.81%	0.12%	0.24%	1.47%
		5	133	2	3.34	0.92	9.78	0.02	0.03	0.18	34.15%	9.41%	100.00%	0.20%	0.31%	1.84%	2.11	0.76	7.21	0.02	0.02	0.16	21.57%	7.77%	73.72%	0.20%	0.20%	1.64%
		7	135	2	3.34	0.89	8.95	0.01	0.02	0.19	37.32%	9.94%	100.00%	0.11%	0.22%	2.12%	2.08	0.75	6.36	0.01	0.02	0.16	23.24%	8.38%	71.06%	0.11%	0.22%	1.79%
		9	137	2	2.85	0.68	8.54	0.01	0.02	0.17	33.37%	7.96%	100.00%	0.12%	0.23%	1.99%	1.87	0.6	6.03	0.01	0.02	0.14	21.90%	7.03%	70.61%	0.12%	0.23%	1.64%
		14	142	4	6.87	1.8	14.62	0.02	0.02	0.04	46.99%	12.31%	100.00%	0.14%	0.14%	0.27%	4.98	1.49	11.95	0.02	0.02	0.03	34.06%	10.19%	81.74%	0.14%	0.14%	0.21%
		15	143	4	6.45	1.92	17.4	0.02	0.02	0.14	37.07%	11.03%	100.00%	0.11%	0.11%	0.80%	4.48	1.56	13.31	0.02	0.02	0.13	25.75%	8.97%	76.49%	0.11%	0.11%	0.75%
		16	144	4	3.41	1.18	15.99	0.05	0.05	0.34	21.33%	7.38%	100.00%	0.31%	0.31%	2.13%	2.2	0.99	10.76	0.03	0.05	0.33	13.76%	6.19%	67.29%	0.19%	0.31%	1.94%
		17	145	4	4.36	1.05	14.84	0.05	0.05	0.35	29.38%	7.08%	100.00%	0.34%	0.34%	2.36%	2.82	0.85	9.57	0.03	0.05	0.32	19.00%	5.73%	64.49%	0.20%	0.34%	2.16%
		21	149	4	3.85	1.25	17.45	0.03	0.05	0.43	22.06%	7.16%	100.00%	0.17%	0.29%	2.46%	2.22	1.05	11.77	0.03	0.05	0.39	12.72%	6.02%	67.45%	0.17%	0.29%	2.23%
		22	150	4	5.99	1.65	17.75	0.03	0.06	0.38	31.49%	9.30%	100.00%	0.17%	0.34%	2.14%	3.72	1.4	12.49	0.02	0.06	0.32	20.96%	7.89%	70.37%	0.11%	0.34%	1.80%
		23	151	4	3.6	1.14	15.78	0.05	0.05	0.34	22.81%	7.22%	100.00%	0.32%	0.32%	2.15%	2.32	0.96	10.57	0.03	0.05	0.31	14.70%	6.08%	66.98%	0.19%	0.32%	1.96%
		29	157	10	17.83	6.44	40.54	0.1	0.02	0.15	43.93%	15.89%	100.00%	0.25%	0.05%	0.37%	13.25	5.75	33.1	0.09	0.01	0.13	32.68%	14.18%	81.65%	0.22%	0.02%	0.32%
		30	158	10	14.85	6.25	34.7	0.08	0.05	0.2	42.80%	18.13%	100.00%	0.26%	0.14%	0.58%	11.18	5.62	27.57	0.08	0.05	0.16	32.22%	16.20%	79.45%	0.23%	0.14%	0.46%
		31	159	10	13.51	5.26	33.98	0.08	0.1	0.5	39.76%	15.48%	100.00%	0.24%	0.29%	1.47%	9.6	4.59	25.81	0.06	0.1	0.37	28.25%	13.51%	75.96%	0.15%	0.29%	1.09%
		32	160	10	13.69	3.94	37.97	0.1	0.27	1.9	36.05%	10.38%	100.00%	0.26%	0.71%	5.00%	9.79	3.28	25.83	0.1	0.27	1.56	25.78%	8.64%	68.03%	0.26%	0.71%	4.11%
		33	161	10	8.68	5.67	38.17	0.08	0.05	0.87	22.74%	14.85%	100.00%	0.21%	0.13%	2.28%	6.37	4.73	29.98	0.07	0.05	0.79	16.69%	12.37%	78.54%	0.18%	0.13%	2.07%
		38	166	10	8.61	4.52	36.47	0.11	0.12	1.83	23.61%	12.39%	100.00%	0.30%	0.33%	5.02%	6.17	3.94	26.55	0.1	0.11	1.66	16.92%	10.80%	72.80%	0.27%	0.30%	4.55%
		39	167	10	11.47	5.06	36.7	0.08	0.05	0.36	31.25%	13.79%	100.00%	0.22%	0.14%	0.98%	8.09	4.32	30.3	0.05	0.05	0.29	22.04%	11.77%	82.56%	0.14%	0.14%	0.79%
		40	168	10	17.27	5.25	39.12	0.07	0.04	0.23	44.15%	13.42%	100.00%	0.18%	0.10%	0.59%	12.52	4.54	32.53	0.07	0.04	0.19	32.00%	11.61%	83.15%	0.18%	0.10%	0.49%
		41	169	10	11.12	2.86	36.77	0.12	0.23	2.44	30.24%	7.78%	100.00%	0.33%	0.63%	6.64%	7.17	2.44	22.38	0.11	0.23	2.12	19.50%	6.64%	60.86%	0.30%	0.63%	5.77%

- ANT#0 High CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
		1	N/A	1	0.88	0.22	3.33	0	0.01	0.03	26.43%	6.61%	100.00%	0.00%	0.00%	0.90%	0.56	0.18	2.31	0	0.01	0.02	16.82%	5.41%	69.37%	0.00%	0.30%	0.60%
		3	N/A	1	0.94	0.27	3.69	0	0.01	0.05	25.47%	7.32%	100.00%	0.00%	0.27%	1.36%	0.6	0.23	2.6	0	0.01	0.04	16.26%	6.23%	70.46%	0.00%	0.27%	1.08%
		5	N/A	1	1.33	0.24	4.56	0.01	0.01	0.04	29.17%	5.26%	100.00%	0.22%	0.22%	0.88%	0.88	0.2	3.16	0	0.01	0.04	19.30%	4.39%	69.30%	0.00%	0.22%	0.88%
		7	N/A	1	1.03	0.32	4.12	0	0.01	0.05	25.00%	7.77%	100.00%	0.00%	0.24%	1.21%	0.69	0.28	2.99	0	0.01	0.04	16.75%	6.80%	72.57%	0.00%	0.24%	0.97%
		9	N/A	1	1.09	0.21	3.89	0.01	0.01	0.06	26.99%	5.40%	100.00%	0.26%	0.26%	1.54%	0.72	0.17	2.78	0	0.01	0.05	18.51%	4.37%	71.47%	0.00%	0.26%	1.29%
		14	N/A	2	2.35	0.74	6.54	0	0.01	0.02	35.93%	11.31%	100.00%	0.00%	0.15%	0.31%	1.65	0.62	5.22	0	0.01	0.02	25.23%	9.48%	79.82%	0.00%	0.15%	0.31%
		15	N/A	2	2.34	0.65	7.47	0.01	0.01	0.09	31.33%	8.70%	100.00%	0.13%	0.13%	1.20%	1.6	0.53	5.48	0.01	0.01	0.07	21.42%	7.10%	73.36%	0.13%	0.13%	0.94%
		16	N/A	2	1.53	0.33	7.04	0.01	0.02	0.14	21.73%	4.65%	100.00%	0.14%	0.28%	1.99%	1.04	0.27	4.26	0.01	0.02	0.12	14.77%	3.84%	60.51%	0.14%	0.28%	1.70%
		17	N/A	2	1.43	0.36	7.12	0.01	0.02	0.13	20.08%	5.06%	100.00%	0.14%	0.28%	1.83%	0.82	0.3	4.27	0.01	0.02	0.11	11.52%	4.21%	59.97%	0.14%	0.28%	1.54%
		21	N/A	2	1.89	0.44	8.4	0.01	0.02	0.1	22.50%	5.24%	100.00%	0.12%	0.24%	1.19%	1.17	0.38	5.79	0.01	0.02	0.08	13.93%	4.52%	68.93%	0.12%	0.24%	0.95%
		22	N/A	2	2.02	0.58	7.92	0.01	0.02	0.08	25.51%	7.32%	100.00%	0.13%	0.25%	1.01%	1.35	0.47	5.59	0.01	0.02	0.07	17.55%	5.93%	70.58%	0.13%	0.25%	0.88%
		23	N/A	2	1.44	0.32	7.07	0.01	0.02	0.14	20.37%	4.53%	100.00%	0.14%	0.28%	1.98%	0.94	0.26	4.24	0.01	0.02	0.12	13.30%	3.68%	59.97%	0.14%	0.28%	1.70%
		29	N/A	5	5.93	1.8	15.13	0.03	0.01	0.07	39.19%	11.90%	100.00%	0.20%	0.07%	0.46%	4.58	1.61	12.09	0.03	0.01	0.05	30.27%	10.64%	75.91%	0.20%	0.07%	0.33%
		30	N/A	5	5.85	1.81	15.84	0.04	0.01	0.09	36.93%	11.43%	100.00%	0.25%	0.06%	0.57%	4.44	1.53	12.47	0.03	0.01	0.08	28.03%	9.66%	78.72%	0.19%	0.06%	0.51%
		31	N/A	5	4.86	1.7	15.56	0.02	0.08	0.17	31.23%	10.93%	100.00%	0.13%	0.51%	1.09%	3.57	1.53	11.18	0.02	0.08	0.14	22.94%	9.83%	71.85%	0.13%	0.51%	0.90%
		32	N/A	5	4.6	1.32	15.68	0.02	0.13	0.6	29.34%	8.42%	100.00%	0.13%	0.83%	3.83%	3.13	1.16	10	0.02	0.12	0.51	19.96%	7.40%	63.78%	0.13%	0.77%	3.25%
		33	N/A	5	3.66	1.75	14.21	0.02	0.04	0.36	25.76%	12.32%	100.00%	0.14%	0.28%	2.53%	2.62	1.5	10.69	0.01	0.04	0.33	18.44%	10.56%	75.23%	0.07%	0.28%	2.32%
		38	N/A	5	2.99	1.38	14.36	0.02	0.03	0.54	20.82%	9.47%	100.00%	0.14%	0.21%	3.76%	1.98	1.13	10.78	0.02	0.03	0.49	13.86%	7.87%	75.07%	0.14%	0.21%	3.41%
		39	N/A	5	5.1	2.24	15.71	0.02	0.01	0.12	32.46%	14.26%	100.00%	0.13%	0.06%	0.76%	3.78	1.96	12.4	0.01	0.01	0.1	24.06%	12.48%	78.93%	0.06%	0.06%	0.64%
		40	N/A	5	5.91	2.02	15.41	0.02	0.01	0.09	38.35%	13.11%	100.00%	0.13%	0.06%	0.58%	4.46	1.75	12.59	0.02	0.01	0.08	28.94%	11.36%	81.70%	0.13%	0.06%	0.52%
		41	N/A	5	3.72	1.09	15.8	0.02	0.08	0.68	23.54%	6.90%	100.00%	0.13%	0.51%	4.30%	2.34	0.87	10.16	0.02	0.07	0.59	14.81%	5.51%	64.30%	0.13%	0.44%	3.73%
		129	N/A	1	0.95	0.14	3.23	0	0.01	0.02	29.50%	4.35%	100.00%	0.00%	0.31%	0.62%	0.65	0.1	2.32	0	0.01	0.02	20.19%	3.11%	72.05%	0.00%	0.31%	0.62%
		131	N/A	1	0.94	0.22	3.98	0	0.01	0.05	23.62%	5.53%	100.00%	0.00%	0.25%	1.26%	0.64	0.18	2.86	0	0.01	0.05	16.08%	4.52%	71.86%	0.00%	0.25%	1.26%
		133	N/A	1	1.29	0.33	4.88	0	0.01	0.07	26.43%	6.76%	100.00%	0.00%	0.20%	1.43%	0.83	0.29	3.35	0	0.01	0.06	16.60%	5.94%	68.65%	0.00%	0.20%	1.23%
		135	N/A	1	1.19	0.33	4.41	0	0.01	0.05	26.98%	7.48%	100.00%	0.00%	0.23%	1.13%	0.73	0.29	3.01	0	0.01	0.04	16.55%	6.35%	68.25%	0.00%	0.23%	0.91%
		137	N/A	1	1.13	0.23	4.07	0.01	0.01	0.06	27.76%	5.65%	100.00%	0.25%	0.25%	1.47%	0.71	0.19	2.73	0.01	0.01	0.05	17.44%	4.67%	67.08%	0.25%	0.25%	1.23%
		142	N/A	2	2.45	0.55	6.81	0.01	0.01	0.02	35.98%	8.08%	100.00%	0.15%	0.15%	0.29%	1.81	0.43	5.54	0.01	0.01	0.01	26.58%	6.17%	81.35%	0.15%	0.15%	0.15%
		143	N/A	2	3.24	0.84	8.62	0.01	0	0.06	37.59%	9.74%	100.00%	0.12%	0.00%	0.70%	2.22	0.73	6.61	0.01	0	0.05	25.75%	8.47%	76.68%	0.12%	0.00%	0.58%
		144	N/A	2	1.25	0.41	6.75	0.01	0.02	0.14	18.52%	6.07%	100.00%	0.15%	0.30%	2.07%	0.77	0.34	4.15	0.01	0.02	0.12	11.41%	5.04%	61.48%	0.15%	0.30%	1.78%
		145	N/A	2	1.43	0.34	6.97	0.01	0.02	0.14	20.52%	4.88%	100.00%	0.14%	0.29%	2.01%	0.95	0.28	4.23	0.01	0.01	0.13	13.63%	4.02%	60.69%	0.14%	0.14%	1.87%
		149	N/A	2	1.92	0.55	9.41	0.01	0.02	0.16	20.40%	5.84%	100.00%	0.11%	0.21%	1.70%	1.13	0.43	6.5	0.01	0.02	0.14	12.01%	4.57%	69.08%	0.11%	0.21%	1.49%
0	Patch	150	N/A	2	2.16	0.89	9.18	0.01	0.02	0.14	23.53%	9.69%	100.00%	0.11%	0.22%	1.53%	1.45	0.76	5.8	0.01	0.02	0.12	15.80%	8.28%	63.18%	0.11%	0.22%	1.31%
		151	N/A	2	1.25	0.41	6.75	0.01	0.02	0.14	18.52%	6.07%	100.00%	0.15%	0.30%	2.07%	0.77	0.34	4.15	0.01	0.02	0.12	11.41%	5.04%	61.48%	0.15%	0.30%	1.78%
		157	N/A	5	6.36	2.17	16.13	0.02	0.01	0.08	29.43%	13.45%	100.00%	0.12%	0.06%	0.50%	4.63	1.94	12.61	0.02	0.01	0.07	28.70%	12.03%	78.18%	0.12%	0.06%	0.43%
		158	N/A	5	5.36	2.69	16.87	0.01	0.01	0.06	31.77%	15.95%	100.00%	0.06%	0.06%	0.36%	3.79	2.37	12.82	0.01	0.01	0.05	22.47%	14.05%	75.99%	0.06%	0.06%	0.30%
		159	N/A	5	3.99	2.12	15.31	0.02	0.06	0.15	26.06%	13.85%	100.00%	0.13%	0.39%	0.98%	2.71	1.87	10.45	0.02	0.06	0.14	17.70%	12.21%	68.26%	0.13%	0.39%	0.91%
		160	N/A	5	3.66	1.4	15.03	0.03	0.08	0.53	24.35%	9.31%	100.00%	0.20%	0.53%	3.53%	2.47	1.08	9.49	0.02	0.08	0.43	16.43%	7.19%	63.14%	0.13%	0.53%	2.86%
		161	N/A	5	5.18	1.59	16.17	0.03	0.02	0.65	32.03%	9.83%	100.00%	0.19%	0.12%	4.02%	3.71	1.27	12.08	0.02	0.02	0.61	22.94%	7.85%	74.71%	0.12%	0.12%	3.77%
		166	N/A	5	4.52	1.45	16.22	0.03	0.02	0.78	27.87%	8.94%	100.00%	0.18%	0.12%	4.81%	3.23	1.23	11.61	0.03	0.02	0.71	19.79%	7.52%	71.58%	0.18%	0.12%	4.38%
		167	N/A	5	7.15	1.81	17.16	0.03	0.02	0.1	41.67%	10.55%	100.00%	0.17%	0.12%	0.58%	5.13	1.41	13.58	0.03	0.01	0.09	29.90%	8.22%	79.14%	0.17%	0.06%	0.52%
		168	N/A	5	6.72	1.8	16	0.03	0.02	0.07	42.00%	11.25%	100.00%	0.19%	0.13%	0.44%	4.9	1.54	12.8	0.03	0.02	0.07	30.63%	9.63%	80.00%	0.19%	0.13%	0.44%
		169	N/A	5	3.4	1.31	15.86	0.03	0.05	0.69	21.44%	8.26%	100.00%	0.19%	0.32%	4.35%	2.28	1.15	9.89	0.03	0.05	0.56	14.38%	7.25%	62.36%	0.19%	0.32%	3.53%
		1	129	2	2.29	0.47	7.64	0.01	0.02	0.08	29.97%	6.15%	100.00%	0.13%	0.26%	1.05%	1.53	0.37	5.48	0.01	0.02	0.07	20.03%	4.84%	71.73%	0.13%	0.26%	0.92%
		3	131	2	2.27	0.67	8.59	0.01	0.02	0.14	27.59%	7.80%	100.00%	0.12%	0.23%	1.63%	1.64	0.55	6.39	0.01	0.02	0.12	19.09%	6.40%	74.39%	0.12%	0.23%	1.40%
		5	133	2	3.48	0.78	10.15	0.02	0.03	0.17	34.29%	7.68%	100.00%	0.20%	0.30%	1.67%	2.29	0.65	7.2	0.01	0.03	0.16	22.56%	6.40%	70.94%	0.10%	0.30%	1.58%
		7	135	2	2.96	0.96	9.01	0.01	0.03	0.16	32.85%	10.65%	100.00%	0.11%	0.33%	1.78%	1.9	0.83	6.58	0.01	0.03	0.14	21.09%	9.21%	73.03%	0.11%	0.33%	1.55%
		9	137	2	2.87	0.67	9.02	0.01	0.02	0.19	31.82%	7.43%	100.00%	0.11%	0.22%	2.11%	1.87	0.56	6.51	0.01	0.02	0.16	20.73%	6.21%	72.17%	0.11%	0.22%	1.77%
		14	142	4	6.11	1.8	15.46	0.02	0.03	0.04	39.52%	11.64%	100.00%	0.13%	0.19%	0.26%	4.44	1.45	12.92	0.02	0.03	0.03	28.72%	9.38%	83.57%	0.13%	0.19%	0.19%
		15	143	4	6.86	1.78	17.75	0.02	0.02	0.14	38.56%	10.01%	100.00%	0.11%	0.11%	0.79%	5.03	1.47	13.56	0.02	0.02	0.13	28.27%	8.26%	76.22%	0.11%	0.11%	0.73%
		16	144	4	4.01	1.13	16.94	0.03	0.06	0.38	23.67%	6.67%	100.00%	0.18%	0.35%	2.24%	2.64	0.94	11.56	0.02	0.06	0.35	15.58%	5.55%	68.24%	0.12%	0.35%	2.07%
		17	145	4	4.33	1.02	16.11	0.03	0.06	0.41	26.88%	6.33%	100.00%	0.19%	0.37%	2.55%	2.54	0.84	10.43	0.02	0.05	0.38	18.25%	5.21%	64.74%	0.12%	0.31%	2.36%
		21	149	4	4.46	1.38	19.02	0.02	0.04	0.38	23.45%	7.26%	100.00%	0.11%	0.21%	2.00%	2.93	1.12	13.54	0.02	0.03	0.35	15.40%	5.89%	71.19%	0.11%	0.16%	1.84%
		22	150	4	5.4	1.78	17.93	0.02	0.07	0.34	30.12%	9.93%	100.00%	0.11%	0.39%	1.90%	3.79	1.55	12.31	0.02	0.07	0.31	21.14%	8.64%	68.66%	0.11%	0.39%	1.73%
		23	151	4	3.81	1.1	16.77	0.03	0.06	0.38	22.72%	6.56%	100.00%	0.18%	0.36%	2.27%	2.5	0.91	11.33	0.02	0.06	0.35	14.91%	5.43%	67.56%	0.12%	0.36%	2.09%
		29	157	10	15.31	5.85	36.69	0.07	0.03	0.22	41.84%	15.99%	100.00%	0.19%	0.08%	0.60%	11.62	5.44	29.61	0.06	0.03	0.18	31.76%	14.87%	80.92%	0.16%	0.08%	0.49%
		30	158	10	12.41	5.73	34.79	0.07	0.05	0.18	35.67%	16.47%	100.00%	0.20%	0.14%	0.52%	9.48	5.2	27.51	0.06	0.04	0.15	27.25%	14.95%	79.07%	0.17%	0.11%	0.43%
		31	159	10	11.58	4.52	34.74	0.07	0.21	0.38	33.33%	13.01%	100.00%	0.20%	0.60%	1.09%	8.46	4.04	24.63	0.07	0.2	0.35	24.35%	11.63%	70.90%	0.20%	0.58%	1.01%
		32	160	10	12.07	3.45	35.21	0.07	0.26	1.43	34.28%	9.80%	100.00%	0.20%	0.74%	4.06%	8.38	2.89	24.2	0.07	0.25	1.2	23.83%	8.21%	68.73%	0.20%	0.71%	3.41%
		33	161	10	10.33	4.67	39.08	0.07	0.08	1.2	26.43%	11.95%	100.00%	0.18%	0.20%	3.07%	7.53	3.97	31.62	0.06	0.07	1.1	19.27%	10.16%	80.91%	0.13%	0.18%	2.81%
		38	166	10	8.68	3.65	38.63	0.07	0.07	1.91	22.82%	9.60%	100.00%	0.18%	0.18%	5.02%	6.36	3.14	29.49	0.06	0.06	1.74	16.46%	8.26%	77.54%	0.16%	0.16%	4.58%
		39	167	10	16.35	5.97	39.92	0.06	0.04	0.34	40.96%	14.95%	100.00%	0.15%	0.10%	0.85%	12.1	5.12	32.66	0.05	0.04	0.26	30.31%	12.83%	81.81%	0.13%	0.10%	0.65%
		40	168	10	16.44	5.35	37.38	0.06	0.04	0.28	43.98%	14.31%	100.00%	0.16%	0.11%	0.75%	12.28	4.75	30.98	0.06	0.04	0.23	32.85%	12.71%	82.88%	0.16%	0.11%	0.62%
		41	169	10	10.05	3.16	37.05	0.07	0.15	1.97	27.13%	8.53%	100.00%	0.19%	0.40%	5.32%	6.35	2.74	26.29	0.07	0.14	1.72	17.25%	7.40%	70.96%	0.19%	0.38%	4.64%

Table 5. PD of ANT#1 – patch antenna (39GHz)

- ANT#1 Low CH

Module	Type	Mbeam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
1	Patch	0	N/A	1	0.95	0.18	0.02	3.53	0.19	0	26.91%	5.10%	0.57%	100.00%	5.38%	0.00%	0.61	0.15	0.02	2.39	0.15	0	17.28%	4.25%	0.57%	67.71%	4.25%	0.00%
		2	N/A	1	0.9	0.24	0.01	3.33	0.11	0.01	27.03%	7.21%	0.30%	100.00%	3.30%	0.30%	0.58	0.21	0.01	2.38	0.09	0.01	16.52%	6.31%	0.30%	70.87%	2.70%	0.30%
		4	N/A	1	1.03	0.2	0.01	3.73	0.1	0.01	27.61%	8.04%	0.27%	100.00%	2.68%	0.27%	0.66	0.25	0.01	2.66	0.09	0.01	17.69%	6.70%	0.27%	71.31%	2.41%	0.27%
		6	N/A	1	1.1	0.17	0.01	3.47	0.07	0.01	31.70%	4.90%	0.29%	100.00%	2.02%	0.29%	0.7	0.14	0.01	2.44	0.06	0.01	20.17%	4.03%	0.29%	70.32%	1.73%	0.29%
		8	N/A	1	0.89	0.13	0	2.94	0.06	0	28.91%	4.42%	0.00%	100.00%	2.04%	0.00%	0.53	0.1	0	1.84	0.05	0	18.03%	3.40%	0.00%	62.59%	1.70%	0.00%
		10	N/A	2	1.29	0.31	0.01	6.19	0.23	0.02	20.84%	5.01%	0.16%	100.00%	3.72%	0.32%	0.73	0.26	0.01	3.37	0.21	0.02	11.79%	4.20%	0.16%	54.44%	3.39%	0.32%
		11	N/A	2	1.6	0.3	0.01	6.14	0.22	0.02	26.06%	4.89%	0.16%	100.00%	3.58%	0.33%	1.03	0.25	0.01	3.39	0.2	0.02	16.78%	4.07%	0.16%	55.21%	3.26%	0.33%
		12	N/A	2	2.45	0.6	0.04	6.43	0.2	0.01	38.10%	9.33%	0.62%	100.00%	3.11%	0.16%	1.7	0.48	0.04	5.1	0.15	0.01	26.44%	7.47%	0.62%	79.32%	2.33%	0.16%
		13	N/A	2	2.85	0.44	0.01	6.24	0.02	0.01	45.67%	7.05%	0.16%	100.00%	0.32%	0.16%	1.96	0.36	0.01	5.03	0.02	0.01	31.41%	5.77%	0.16%	80.61%	0.32%	0.16%
		18	N/A	2	3.09	0.62	0.02	7.23	0.08	0.01	42.62%	8.55%	0.28%	100.00%	1.10%	0.14%	2.13	0.49	0.01	5.83	0.07	0.01	29.38%	6.76%	0.14%	80.41%	0.97%	0.14%
		19	N/A	2	1.71	0.57	0.02	6.84	0.3	0.01	25.00%	8.33%	0.29%	100.00%	4.39%	0.15%	1.19	0.47	0.02	4.54	0.25	0.01	17.40%	6.87%	0.29%	66.37%	3.65%	0.15%
		20	N/A	2	1.37	0.35	0.02	6.92	0.49	0.02	19.80%	5.06%	0.29%	100.00%	7.08%	0.29%	0.84	0.29	0.02	3.85	0.41	0.02	12.14%	4.19%	0.29%	55.64%	5.92%	0.29%
		24	N/A	5	3.43	1.82	0.03	11.38	0.82	0.03	30.14%	8.96%	0.26%	100.00%	7.21%	0.26%	2.31	0.89	0.03	8.31	0.67	0.03	20.30%	7.82%	0.26%	73.02%	5.89%	0.26%
		25	N/A	5	4.07	0.89	0.02	13.66	1.91	0.14	29.80%	6.52%	0.15%	100.00%	13.98%	1.02%	2.71	0.76	0.02	9.11	1.69	0.13	19.84%	5.56%	0.15%	66.69%	12.37%	0.95%
		26	N/A	5	5.92	1.3	0.06	13.67	0.48	0.01	43.31%	9.51%	0.37%	100.00%	3.51%	0.07%	4.38	1.02	0.05	10.92	0.39	0.01	32.04%	7.46%	0.37%	79.88%	2.56%	0.07%
		27	N/A	5	6.3	1.82	0.1	14.41	0.17	0.01	43.72%	12.63%	0.69%	100.00%	1.18%	0.07%	4.5	1.54	0.09	11.81	0.13	0.01	31.23%	10.69%	0.62%	81.96%	0.90%	0.07%
		28	N/A	5	6.34	2.42	0.1	14.88	0.11	0	42.61%	16.26%	0.67%	100.00%	0.74%	0.00%	4.73	2.06	0.09	12.74	0.1	0	31.79%	13.84%	0.60%	85.62%	0.67%	0.00%
		34	N/A	5	6.93	1.96	0.07	15.61	0.16	0	44.39%	12.56%	0.45%	100.00%	1.02%	0.00%	5.17	1.63	0.07	13.11	0.12	0	33.12%	10.38%	0.45%	83.98%	0.77%	0.00%
		35	N/A	5	4.85	0.96	0.03	12.83	1.67	0.08	37.80%	7.48%	0.23%	100.00%	13.02%	0.62%	3.42	0.74	0.03	9.64	1.32	0.08	26.66%	5.77%	0.23%	75.14%	10.29%	0.62%
		36	N/A	5	5.57	0.97	0.06	14.26	0.33	0.03	39.06%	6.80%	0.42%	100.00%	2.31%	0.21%	3.86	0.78	0.05	10.63	0.28	0.03	27.00%	5.47%	0.35%	74.54%	1.96%	0.21%
		37	N/A	5	2.91	1.03	0.03	12.78	1.59	0.1	22.77%	8.06%	0.23%	100.00%	12.44%	0.78%	1.88	0.91	0.03	7.87	1.44	0.09	14.71%	7.12%	0.23%	61.58%	11.27%	0.70%
		128	N/A	1	0.98	0.12	0.01	3.45	0.2	0.01	28.41%	3.48%	0.29%	100.00%	5.80%	0.29%	0.6	0.09	0.01	2.4	0.16	0.01	17.39%	2.61%	0.29%	69.57%	4.64%	0.29%
		130	N/A	1	1.17	0.18	0.01	3.69	0.1	0.01	31.71%	4.88%	0.27%	100.00%	2.71%	0.27%	0.76	0.13	0.01	2.67	0.08	0.01	20.60%	4.07%	0.27%	72.36%	2.17%	0.27%
		132	N/A	1	1.29	0.23	0.01	4.3	0.13	0	30.00%	5.35%	0.23%	100.00%	3.02%	0.00%	0.85	0.17	0.01	3.16	0.1	0	19.77%	3.95%	0.23%	73.49%	2.33%	0.00%
		134	N/A	1	1.11	0.18	0.01	3.64	0.09	0	30.49%	4.95%	0.27%	100.00%	2.47%	0.00%	0.73	0.14	0.01	2.66	0.07	0	20.05%	3.85%	0.27%	73.08%	1.92%	0.00%
		136	N/A	1	0.86	0.12	0.01	2.78	0.06	0	30.94%	4.32%	0.36%	100.00%	2.16%	0.00%	0.57	0.09	0.01	1.96	0.05	0	20.50%	3.24%	0.36%	70.50%	1.80%	0.00%
		138	N/A	2	1.5	0.21	0.01	5.95	0.24	0.01	25.21%	3.53%	0.17%	100.00%	4.03%	0.17%	1.03	0.18	0.01	3.58	0.21	0.01	17.31%	3.03%	0.17%	60.17%	3.53%	0.17%
		139	N/A	2	1.52	0.22	0.01	6.88	0.55	0.02	21.95%	3.34%	0.15%	100.00%	7.99%	0.29%	0.97	0.19	0.01	4.16	0.48	0.02	14.10%	2.76%	0.15%	60.47%	6.54%	0.29%
		140	N/A	2	3.56	0.53	0.01	8.27	0.22	0.01	43.05%	6.41%	0.12%	100.00%	2.66%	0.12%	2.48	0.42	0.01	6.57	0.16	0.01	29.99%	5.08%	0.12%	79.44%	1.93%	0.12%
		141	N/A	2	2.9	0.51	0.02	6.47	0.03	0	44.82%	7.88%	0.31%	100.00%	0.46%	0.00%	2.05	0.39	0.02	5.47	0.03	0	31.68%	6.03%	0.31%	84.54%	0.46%	0.00%
		146	N/A	2	3.17	0.67	0.02	7.38	0.05	0	43.07%	9.10%	0.27%	100.00%	0.68%	0.00%	2.19	0.52	0.02	6.11	0.04	0	29.76%	7.07%	0.27%	83.02%	0.54%	0.00%
		147	N/A	2	1.97	0.33	0.02	5.98	0.2	0.01	32.94%	5.52%	0.33%	100.00%	3.34%	0.17%	1.34	0.27	0.02	4.14	0.18	0.01	22.41%	4.52%	0.33%	69.23%	3.01%	0.17%
		148	N/A	2	1.51	0.36	0.01	7.54	0.4	0.02	20.03%	4.77%	0.13%	100.00%	5.31%	0.27%	1.01	0.25	0.01	4.66	0.33	0.02	13.40%	3.32%	0.13%	61.80%	4.38%	0.27%
		152	N/A	5	4.34	0.9	0.03	11.35	0.47	0.01	38.24%	7.93%	0.26%	100.00%	4.14%	0.09%	3.14	0.7	0.03	8.56	0.39	0.01	27.67%	6.17%	0.26%	75.42%	3.44%	0.09%
		153	N/A	5	3.69	0.56	0.03	13.35	1.54	0.08	27.64%	4.19%	0.22%	100.00%	11.54%	0.60%	2.49	0.46	0.02	8.66	1.35	0.08	18.65%	3.45%	0.15%	60.37%	10.11%	0.60%
		154	N/A	5	5.14	1.71	0.04	12.07	0.23	0.01	42.58%	14.17%	0.33%	100.00%	1.91%	0.08%	3.74	1.3	0.04	9.84	0.18	0.01	30.99%	10.77%	0.33%	81.52%	1.49%	0.08%
		155	N/A	5	8.7	1.78	0.04	17.69	0.16	0.01	49.18%	10.06%	0.23%	100.00%	0.90%	0.06%	6.32	1.47	0.04	14.91	0.14	0.01	35.73%	8.31%	0.23%	84.28%	0.79%	0.06%
		156	N/A	5	8.59	1.94	0.08	16.98	0.13	0.01	50.59%	11.43%	0.47%	100.00%	0.77%	0.06%	6.37	1.55	0.08	14.3	0.11	0.01	37.51%	9.13%	0.47%	85.39%	0.65%	0.06%
		162	N/A	5	7.19	1.94	0.08	15.89	0.19	0	45.25%	12.21%	0.38%	100.00%	1.20%	0.00%	5.17	1.5	0.06	13.34	0.16	0	32.54%	9.44%	0.38%	83.95%	1.01%	0.00%
		163	N/A	5	4.25	1.03	0.04	15.35	2.29	0.08	27.69%	6.71%	0.26%	100.00%	14.92%	0.52%	2.9	0.87	0.04	11.14	1.81	0.08	18.89%	5.67%	0.26%	72.57%	11.79%	0.52%
		164	N/A	5	6.07	1.13	0.02	14.44	0.81	0.01	42.04%	7.83%	0.14%	100.00%	5.61%	0.07%	4.44	0.86	0.02	11.86	0.53	0.01	30.75%	5.96%	0.14%	82.13%	3.67%	0.07%
		165	N/A	5	4.09	0.68	0.03	12.86	0.75	0.04	31.80%	5.29%	0.23%	100.00%	5.83%	0.31%	2.85	0.55	0.03	8.59	0.67	0.04	22.16%	4.28%	0.23%	66.80%	5.21%	0.31%
		0	128	2	2.68	0.37	0.04	7.81	0.5	0.01	34.31%	4.74%	0.51%	100.00%	6.40%	0.13%	1.67	0.32	0.04	5.19	0.4	0.01	21.38%	4.10%	0.51%	66.45%	5.12%	0.13%
		2	130	2	2.96	0.63	0.03	7.68	0.27	0.02	38.64%	8.22%	0.39%	100.00%	3.52%	0.26%	1.93	0.55	0.03	5.49	0.22	0.02	25.20%	7.18%	0.39%	71.67%	2.87%	0.26%
		4	132	2	3.47	0.66	0.02	8.96	0.31	0.03	38.73%	7.37%	0.22%	100.00%	3.46%	0.33%	2.25	0.53	0.02	6.62	0.25	0.03	25.11%	5.92%	0.22%	73.88%	2.79%	0.33%
		6	134	2	2.82	0.44	0.02	7.51	0.2	0.02	37.55%	5.86%	0.27%	100.00%	2.66%	0.27%	1.8	0.34	0.02	5.42	0.18	0.02	23.97%	4.53%	0.27%	72.17%	2.40%	0.27%
		8	136	2	1.73	0.34	0.01	6.08	0.17	0.01	28.45%	5.59%	0.16%	100.00%	2.80%	0.16%	1.13	0.27	0.01	4.24	0.14	0.01	18.59%	4.44%	0.16%	69.74%	2.30%	0.16%
		10	138	4	3.82	0.77	0.02	12.92	0.59	0.05	29.57%	5.96%	0.15%	100.00%	4.57%	0.39%	2.54	0.63	0.02	7.51	0.5	0.05	19.66%	4.88%	0.15%	58.13%	3.87%	0.39%
		11	139	4	3.2	0.51	0.03	10.19	0.86	0.07	30.42%	5.00%	0.29%	100.00%	8.44%	0.69%	1.9	0.49	0.03	6.73	0.72	0.07	18.65%	4.42%	0.29%	66.05%	7.07%	0.69%
		12	140	4	7.81	1.52	0.07	16.5	0.59	0.03	47.33%	9.21%	0.42%	100.00%	3.58%	0.18%	5.49	1.25	0.07	12.99	0.43	0.03	33.27%	7.58%	0.42%	78.73%	2.61%	0.18%
		13	141	4	6.03	1.27	0.09	13.57	0.07	0.01	44.44%	9.36%	0.37%	100.00%	0.52%	0.07%	4.21	1.02	0.04	11.27	0.06	0.01	31.02%	7.52%	0.29%	83.05%	0.44%	0.07%
		18	146	4	7.57	1.57	0.05	15.5	0.17	0.01	48.84%	10.13%	0.32%	100.00%	1.10%	0.06%	5.15	1.25	0.05	12.53	0.15	0.01	33.23%	8.06%	0.32%	80.84%	0.97%	0.06%
		19	147	4	4.25	1.24	0.07	13.94	0.72	0.03	30.49%	8.90%	0.50%	100.00%	5.16%	0.22%	2.92	1.03	0.07	9.75	0.56	0.03	20.95%	7.39%	0.50%	69.94%	4.02%	0.22%
		20	148	4	3.72	0.88	0.04	15.06	1.07	0.05	24.80%	5.85%	0.27%	100.00%	7.11%	0.33%	2.4	0.67	0.04	9.38	0.9	0.05	15.96%	4.45%	0.27%	62.23%	5.98%	0.33%
		24	152	10	8.74	2.65	0.08	26.89	1.53	0.06	32.50%	9.85%	0.30%	100.00%	5.69%	0.22%	6.18	2.29	0.08	19.67	1.32	0.05	22.98%	8.48%	0.30%	73.15%	4.91%	0.19%
		25	153	10	10.68	2.19	0.07	29.54	3.7	0.37	36.15%	7.41%	0.24%	100.00%	12.53%	1.25%	6.66	1.72	0.06	17.83	3.27	0.35	22.55%	5.82%	0.20%	60.29%	11.07%	1.18%
		26	154	10	12.44	3.72	0.14	26.79	1.06	0.02	46.44%	13.89%	0.52%	100.00%	3.96%	0.07%	9.14	2.92	0.13	21.91	0.78	0.02	34.12%	10.90%	0.49%	81.78%	2.91%	0.07%
		27	155	10	20.55	4.93	0.23	36.43	0.41	0.02	56.41%	13.53%	0.63%	100.00%	1.13%	0.05%	14.86	4.18	0.21	29.53	0.34	0.02	40.87%	11.47%	0.58%	81.06%	0.93%	0.05%
		28	156	10	17.87	5.75	0.31	33.52	0.39	0.02	53.31%	17.15%	0.92%	100.00%	1.16%	0.06%	13.11	4.97	0.29	27.81	0.34	0.02	39.11%	14.83%	0.87%	82.97%	1.01%	0.06%
		34	162	10	16.07	5.12	0.25	33.29	0.49	0.01	48.27%	15.38%	0.75%	100.00%	1.47%	0.03%	11.47	4.17	0.24	27.48	0.38	0.01	34.40%	12.53%	0.72%	82.55%	1.14%	0.03%
		35	163	10	13.65	2.81	0.09	31.45	4.92	0.27	43.40%	8.93%	0.29%	100.00%	15.64%	0.86%	9.27	2.28	0.08	23.97	3.91	0.26	29.48%	7.25%	0.25%	76.22%	12.43%	0.83%
		36	164	10	16.16	2.34	0.13	35.62	1.67	0.06	45.37%	6.57%	0.36%	100.00%	4.69%	0.17%	11.39	2.12	0.12	27.28	1.19	0.06	31.98%	5.95%	0.34%	76.59%	3.34%	0.17%
		37	165	10	8.61	2.73	0.08	30.79	2.72	0.22	27.96%	8.87%	0.26%	100.00%	8.83%	0.71%	5.7	2.12	0.07	20.2	2.49	0.21	18.51%	6.89%	0.23%	65.61%	8.09%	0.68%

- ANT#1 Mid CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
1	Patch	0	N/A	1	1.09	0.19	0.02	3.89	0.19	0.01	27.27%	4.94%	0.52%	100.00%	4.94%	0.26%	0.68	0.16	0.02	2.47	0.15	0.01	17.66%	4.16%	0.52%	64.16%	3.90%	0.26%
		2	N/A	1	1.06	0.27	0.02	3.66	0.09	0.01	28.96%	7.38%	0.55%	100.00%	2.46%	0.27%	0.67	0.24	0.02	2.58	0.08	0.01	18.31%	6.56%	0.55%	70.49%	2.19%	0.27%
		4	N/A	1	1.05	0.33	0.01	3.93	0.08	0.01	26.72%	8.40%	0.25%	100.00%	2.04%	0.25%	0.68	0.27	0.01	2.89	0.07	0.01	17.30%	6.87%	0.25%	73.54%	1.78%	0.25%
		6	N/A	1	1.04	0.2	0	3.49	0.08	0	29.80%	5.73%	0.00%	100.00%	2.29%	0.00%	0.67	0.16	0	2.95	0.07	0	19.20%	4.58%	0.00%	73.07%	2.01%	0.00%
		8	N/A	1	0.81	0.14	0	2.96	0.07	0	27.36%	4.73%	0.00%	100.00%	2.36%	0.00%	0.53	0.12	0	1.86	0.06	0	17.91%	4.05%	0.00%	62.84%	2.03%	0.00%
		10	N/A	2	1.33	0.22	0.01	6.55	0.27	0.02	20.31%	3.36%	0.15%	100.00%	4.12%	0.31%	0.76	0.19	0.01	3.82	0.24	0.01	11.60%	2.90%	0.15%	58.32%	3.66%	0.15%
		11	N/A	2	1.58	0.23	0.01	6.35	0.27	0.01	24.88%	3.62%	0.16%	100.00%	4.25%	0.16%	1.08	0.3	0.01	3.86	0.23	0.01	17.01%	3.15%	0.16%	60.79%	3.62%	0.16%
		12	N/A	2	2.65	0.61	0.03	6.91	0.22	0.01	38.35%	8.83%	0.43%	100.00%	3.18%	0.14%	1.89	0.5	0.03	5.17	0.15	0.01	27.35%	7.24%	0.43%	74.82%	2.17%	0.14%
		13	N/A	2	2.57	0.53	0.01	6.03	0.03	0	42.62%	8.79%	0.17%	100.00%	0.50%	0.00%	1.82	0.45	0.01	4.87	0.03	0	30.18%	7.46%	0.17%	80.76%	0.50%	0.00%
		18	N/A	2	2.65	0.7	0.01	7.42	0.08	0.01	35.71%	9.43%	0.13%	100.00%	1.08%	0.13%	1.84	0.57	0.01	5.9	0.07	0.01	24.80%	7.68%	0.13%	79.51%	0.94%	0.13%
		19	N/A	2	1.82	0.64	0.05	7.7	0.37	0.01	23.64%	8.31%	0.65%	100.00%	4.81%	0.13%	1.25	0.55	0.04	5.04	0.32	0.01	16.23%	7.14%	0.52%	65.45%	4.16%	0.13%
		20	N/A	2	1.62	0.46	0.05	7.63	0.49	0.02	21.23%	6.03%	0.66%	100.00%	6.42%	0.26%	0.93	0.39	0.05	4.24	0.43	0.02	12.19%	4.72%	0.66%	55.57%	5.64%	0.26%
		24	N/A	5	4.18	1.08	0.08	13.34	0.95	0.02	31.33%	8.10%	0.60%	100.00%	7.12%	0.15%	2.93	0.85	0.08	9.86	0.87	0.02	21.96%	6.37%	0.60%	73.91%	6.52%	0.15%
		25	N/A	5	4.55	0.84	0.03	14.25	1.73	0.11	31.93%	5.89%	0.21%	100.00%	12.14%	0.77%	2.99	0.76	0.03	9.64	1.55	0.1	20.98%	5.33%	0.21%	67.65%	10.88%	0.70%
		26	N/A	5	5.32	1.5	0.07	13.52	0.47	0.01	39.35%	11.09%	0.52%	100.00%	3.48%	0.07%	4.06	1.21	0.06	10.69	0.33	0.01	30.03%	8.95%	0.44%	79.07%	2.44%	0.07%
		27	N/A	5	6.34	1.81	0.05	14.42	0.17	0.01	43.97%	12.55%	0.35%	100.00%	1.18%	0.07%	4.65	1.48	0.04	11.57	0.11	0.01	32.25%	10.26%	0.28%	80.24%	0.76%	0.07%
		28	N/A	5	6.27	2.92	0.07	16.54	0.15	0.01	37.91%	17.65%	0.42%	100.00%	0.91%	0.06%	4.68	2.43	0.06	14.06	0.13	0.01	28.30%	14.69%	0.36%	85.01%	0.79%	0.06%
		34	N/A	5	5.75	2.22	0.06	15.15	0.22	0.01	37.85%	14.61%	0.39%	100.00%	1.45%	0.07%	4.28	1.83	0.06	12.3	0.17	0	28.18%	12.05%	0.39%	82.29%	1.12%	0.00%
		35	N/A	5	4.73	1.28	0.04	13.35	1.24	0.07	35.43%	9.59%	0.30%	100.00%	9.29%	0.52%	3.31	1.07	0.04	9.45	0.95	0.07	24.79%	8.01%	0.30%	70.79%	7.12%	0.52%
		36	N/A	5	5.68	1.03	0.04	13.66	0.48	0.03	41.58%	7.54%	0.29%	100.00%	3.51%	0.22%	4.05	0.9	0.04	9.85	0.39	0.03	29.65%	6.59%	0.29%	72.11%	2.86%	0.22%
		37	N/A	5	3.44	0.88	0.05	14.57	1.51	0.05	23.61%	6.04%	0.34%	100.00%	10.36%	0.34%	2.4	0.68	0.05	9.38	1.38	0.05	16.47%	4.67%	0.34%	64.38%	9.47%	0.34%
		128	N/A	1	0.88	0.17	0.01	3.51	0.21	0.01	24.50%	4.84%	0.28%	100.00%	5.98%	0.28%	0.54	0.13	0.01	2.3	0.17	0.01	15.38%	3.70%	0.28%	65.53%	4.84%	0.28%
		130	N/A	1	1.21	0.15	0.01	3.97	0.11	0.01	30.48%	4.79%	0.25%	100.00%	2.77%	0.25%	0.75	0.15	0.01	2.86	0.09	0.01	19.90%	3.78%	0.25%	72.04%	2.27%	0.25%
		132	N/A	1	1.49	0.24	0.01	4.82	0.14	0.01	30.91%	4.98%	0.21%	100.00%	2.90%	0.21%	0.98	0.2	0.01	3.42	0.11	0	20.33%	4.15%	0.21%	70.95%	2.28%	0.00%
		134	N/A	1	1.06	0.25	0.01	3.76	0.1	0.01	28.19%	6.65%	0.27%	100.00%	2.66%	0.27%	0.66	0.21	0.01	2.72	0.09	0.01	17.55%	5.59%	0.27%	72.34%	2.39%	0.27%
		136	N/A	1	0.93	0.16	0.01	3.07	0.06	0.01	30.29%	5.21%	0.33%	100.00%	1.95%	0.33%	0.62	0.13	0.01	2.21	0.05	0.01	20.20%	4.23%	0.33%	71.99%	1.63%	0.33%
		138	N/A	2	1.9	0.28	0.02	6.63	0.24	0.02	28.66%	4.22%	0.30%	100.00%	3.62%	0.30%	1.28	0.24	0.01	4.16	0.22	0.02	19.46%	3.62%	0.15%	62.75%	3.32%	0.30%
		139	N/A	2	1.48	0.28	0.02	7.3	0.6	0.02	20.27%	5.34%	0.27%	100.00%	8.22%	0.27%	0.94	0.31	0.02	4.27	0.5	0.02	12.88%	4.25%	0.27%	58.49%	6.85%	0.27%
		140	N/A	2	3.19	0.62	0.01	8.61	0.2	0.01	37.05%	7.20%	0.12%	100.00%	2.32%	0.12%	2.27	0.5	0.01	6.43	0.16	0.01	26.36%	5.81%	0.12%	74.68%	1.86%	0.12%
		141	N/A	2	2.68	0.68	0.02	6.6	0.04	0.01	40.61%	10.30%	0.30%	100.00%	0.61%	0.15%	1.91	0.56	0.02	5.43	0.04	0.01	28.94%	8.48%	0.30%	82.27%	0.61%	0.15%
		146	N/A	2	3.32	0.68	0.02	8.4	0.08	0	39.52%	8.10%	0.24%	100.00%	0.95%	0.00%	2.38	0.54	0.02	6.66	0.06	0	28.33%	6.43%	0.24%	79.29%	0.71%	0.00%
		147	N/A	2	2.12	0.42	0.02	6.65	0.27	0.01	31.69%	6.28%	0.30%	100.00%	4.04%	0.15%	1.42	0.32	0.02	4.59	0.24	0.01	21.23%	4.78%	0.30%	68.61%	3.59%	0.15%
		148	N/A	2	1.69	0.33	0.01	8.68	0.44	0.02	19.47%	3.80%	0.12%	100.00%	5.07%	0.23%	1.11	0.27	0.01	5.48	0.37	0.02	12.79%	3.11%	0.12%	63.13%	4.26%	0.23%
		152	N/A	5	4.61	1.12	0.03	12.83	0.63	0.02	35.93%	8.73%	0.23%	100.00%	4.91%	0.16%	3.28	0.89	0.03	9.64	0.56	0.02	25.57%	6.94%	0.23%	75.14%	4.36%	0.16%
		153	N/A	5	3.83	0.77	0.03	15.62	1.87	0.07	24.52%	4.93%	0.19%	100.00%	11.97%	0.45%	2.47	0.64	0.03	8.78	1.68	0.07	15.81%	4.10%	0.19%	56.21%	10.76%	0.45%
		154	N/A	5	5.89	1.59	0.06	13.82	0.29	0.02	42.62%	11.51%	0.43%	100.00%	2.10%	0.14%	4.28	1.27	0.06	10.91	0.23	0.02	30.97%	9.19%	0.43%	78.94%	1.66%	0.14%
		155	N/A	5	8.06	1.87	0.05	17.07	0.19	0.01	47.22%	10.95%	0.29%	100.00%	1.11%	0.06%	5.94	1.51	0.05	14.04	0.16	0.01	34.80%	8.85%	0.29%	82.25%	0.94%	0.06%
		156	N/A	5	8.91	2.49	0.08	18.87	0.14	0.02	47.43%	13.20%	0.32%	100.00%	0.74%	0.11%	6.62	2.06	0.05	15.63	0.12	0.02	35.08%	10.92%	0.26%	82.83%	0.64%	0.11%
		162	N/A	5	6.76	2.1	0.06	15.51	0.27	0.01	43.58%	13.54%	0.39%	100.00%	1.74%	0.06%	4.89	1.66	0.05	12.74	0.2	0.01	31.53%	10.70%	0.32%	82.14%	1.29%	0.06%
		163	N/A	5	5.39	1.25	0.04	16.59	2.1	0.09	32.49%	7.53%	0.24%	100.00%	12.66%	0.54%	3.76	0.98	0.04	11.89	1.64	0.09	22.66%	5.91%	0.24%	71.67%	9.89%	0.54%
		164	N/A	5	5.6	1.65	0.03	13.87	0.84	0.03	40.37%	11.90%	0.22%	100.00%	6.06%	0.22%	4.13	1.27	0.03	11.29	0.61	0.03	29.78%	9.16%	0.22%	81.33%	4.40%	0.22%
		165	N/A	5	4.16	1.06	0.03	13.46	1.07	0.03	30.91%	7.80%	0.22%	100.00%	7.95%	0.22%	2.86	0.85	0.03	9.26	0.95	0.03	21.25%	6.32%	0.22%	68.80%	7.06%	0.22%
		0	128	2	3.03	0.5	0.04	8.18	0.57	0.02	37.04%	6.11%	0.45%	100.00%	6.97%	0.24%	1.89	0.35	0.04	5.09	0.47	0.02	23.11%	4.77%	0.49%	62.10%	5.75%	0.24%
		2	130	2	3.61	0.74	0.04	8.54	0.27	0.02	42.27%	8.67%	0.47%	100.00%	3.16%	0.23%	2.36	0.61	0.04	5.87	0.23	0.02	27.63%	7.14%	0.47%	68.74%	2.69%	0.23%
		4	132	2	4.01	0.89	0.02	9.36	0.31	0.02	42.84%	9.51%	0.21%	100.00%	3.31%	0.21%	2.68	0.75	0.02	6.68	0.29	0.02	28.31%	8.01%	0.21%	71.37%	2.67%	0.21%
		6	134	2	2.99	0.63	0.02	7.7	0.27	0.01	38.83%	8.18%	0.26%	100.00%	3.51%	0.13%	1.92	0.51	0.01	5.63	0.25	0.01	24.94%	6.62%	0.13%	73.12%	3.25%	0.13%
		8	136	2	2.11	0.43	0.02	6.65	0.18	0.01	31.73%	6.47%	0.30%	100.00%	2.71%	0.15%	1.43	0.36	0.01	4.64	0.16	0.01	21.50%	5.41%	0.15%	69.77%	2.41%	0.15%
		10	138	4	4.82	0.81	0.03	13.66	0.79	0.04	35.29%	5.93%	0.15%	100.00%	5.78%	0.29%	3.26	0.68	0.02	8.52	0.71	0.04	23.79%	4.98%	0.15%	62.37%	5.20%	0.29%
		11	139	4	5	0.75	0.03	10.9	0.94	0.06	28.30%	7.45%	0.28%	100.00%	8.87%	0.57%	1.95	0.67	0.03	7.17	0.78	0.05	18.40%	6.32%	0.28%	67.64%	7.36%	0.47%
		12	140	4	9	1.93	0.06	18.14	0.57	0.03	49.61%	10.64%	0.33%	100.00%	3.14%	0.17%	6.49	1.59	0.06	13.9	0.41	0.03	35.78%	8.77%	0.33%	76.63%	2.26%	0.17%
		13	141	4	6.66	1.77	0.04	13.34	0.11	0.01	49.93%	13.27%	0.30%	100.00%	0.82%	0.07%	4.78	1.47	0.04	11.28	0.1	0.01	35.83%	11.02%	0.30%	84.56%	0.75%	0.07%
		18	146	4	7.57	2.08	0.04	16.2	0.25	0.01	46.73%	12.84%	0.25%	100.00%	1.54%	0.06%	5.42	1.67	0.04	13.5	0.21	0.01	33.46%	10.31%	0.25%	83.33%	1.30%	0.06%
		19	147	4	5.48	1.62	0.09	16.52	0.95	0.03	33.17%	9.81%	0.54%	100.00%	5.75%	0.18%	3.75	1.27	0.09	12.22	0.81	0.03	22.70%	7.69%	0.54%	73.97%	4.90%	0.18%
		20	148	4	4.98	1.01	0.08	17.04	1.2	0.07	29.23%	5.93%	0.47%	100.00%	7.04%	0.41%	3.19	0.74	0.07	11.6	1.04	0.06	18.54%	4.34%	0.41%	68.08%	6.10%	0.35%
		24	152	10	9.52	2.37	0.2	32.92	2.29	0.05	28.91%	7.20%	0.61%	100.00%	6.95%	0.15%	6.72	1.92	0.19	25.14	2.07	0.05	20.41%	5.83%	0.58%	76.34%	6.29%	0.15%
		25	153	10	12.95	1.91	0.07	34.54	4.22	0.27	37.49%	5.53%	0.20%	100.00%	12.22%	0.78%	8.19	1.66	0.07	22.21	3.73	0.25	23.71%	4.81%	0.20%	64.30%	10.80%	0.72%
		26	154	10	11.7	4.49	0.2	30.22	1.07	0.06	38.72%	14.86%	0.66%	100.00%	3.54%	0.20%	8.96	3.63	0.19	25.21	0.74	0.06	29.65%	12.01%	0.63%	83.42%	2.45%	0.20%
		27	155	10	20.28	4.86	0.14	36.12	0.49	0.03	56.15%	13.46%	0.39%	100.00%	1.36%	0.08%	15.14	4	0.13	28.79	0.37	0.02	41.92%	11.07%	0.36%	79.71%	1.02%	0.06%
		28	156	10	18.5	7.26	0.18	38.68	0.48	0.03	47.83%	18.77%	0.47%	100.00%	1.24%	0.08%	14.03	6.11	0.17	32.63	0.42	0.03	36.27%	15.80%	0.44%	84.36%	1.09%	0.08%
		34	162	10	14.22	6.2	0.18	34.49	0.68	0.02	41.23%	17.98%	0.52%	100.00%	1.97%	0.06%	10.25	5.04	0.18	29.39	0.51	0.02	29.72%	14.61%	0.52%	85.21%	1.48%	0.06%
		35	163	10	14.46	3.3	0.1	31.97	4.13	0.25	45.23%	10.32%	0.31%	100.00%	12.92%	0.78%	10.15	2.7	0.1	23.04	3.11	0.24	31.75%	8.45%	0.31%	72.07%	9.73%	0.75%
		36	164	10	17.09	3.64	0.09	37.43	1.87	0.1	45.66%	9.72%	0.24%	100.00%	5.00%	0.27%	12.21	2.93	0.09	28.82	1.39	0.09	32.62%	7.83%	0.24%	77.00%	3.71%	0.24%
		37	165	10	9.64	2.12	0.13	35.14	2.9	0.12	27.43%	6.03%	0.37%	100.00%	8.25%	0.34%	6.29	1.73	0.12	24.68	2.54	0.11	17.90%	4.89%	0.34%	70.23%	7.23%	0.31%

- ANT#1 High CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
		0	N/A	1	1.16	0.2	0.01	4.19	0.24	0.01	27.95%	4.82%	0.24%	100.00%	5.78%	0.24%	0.74	0.15	0.01	2.85	0.2	0.01	17.83%	3.61%	0.24%	68.67%	4.82%	0.24%
		2	N/A	1	1.26	0.22	0.02	3.92	0.1	0.01	32.14%	5.61%	0.51%	100.00%	2.55%	0.26%	0.83	0.18	0.02	2.71	0.08	0.01	21.17%	4.59%	0.51%	69.13%	2.04%	0.26%
		4	N/A	1	1.2	0.24	0.01	4.07	0.08	0.01	29.48%	5.90%	0.25%	100.00%	1.97%	0.25%	0.8	0.21	0.01	2.8	0.07	0.01	19.66%	5.16%	0.25%	68.80%	1.72%	0.25%
		6	N/A	1	0.8	0.23	0.01	3.39	0.07	0.01	23.60%	6.78%	0.29%	100.00%	2.06%	0.29%	0.48	0.2	0	2.33	0.07	0.01	14.16%	5.90%	0.00%	68.73%	2.06%	0.29%
		8	N/A	1	0.81	0.12	0	3.07	0.08	0	26.38%	3.91%	0.00%	100.00%	2.61%	0.00%	0.49	0.1	0	2.19	0.07	0	15.96%	3.26%	0.00%	70.03%	2.28%	0.00%
		10	N/A	2	1.55	0.24	0.01	7.25	0.28	0.02	21.38%	3.31%	0.14%	100.00%	3.86%	0.28%	0.92	0.19	0.01	4.51	0.25	0.02	12.69%	2.62%	0.14%	62.21%	3.45%	0.28%
		11	N/A	2	1.75	0.32	0.01	6.89	0.25	0.01	25.40%	4.64%	0.15%	100.00%	3.63%	0.15%	1.2	0.27	0.01	4.42	0.23	0.01	17.42%	3.92%	0.15%	64.15%	3.34%	0.15%
		12	N/A	2	2.79	0.7	0.02	7.5	0.27	0.01	37.20%	9.33%	0.27%	100.00%	3.60%	0.13%	2.04	0.56	0.02	5.44	0.21	0.01	27.20%	7.47%	0.27%	72.53%	2.80%	0.13%
		13	N/A	2	1.78	0.58	0.01	5.47	0.03	0	32.54%	10.60%	0.18%	100.00%	0.55%	0.00%	1.22	0.49	0.01	4.28	0.02	0	22.30%	8.96%	0.18%	78.24%	0.37%	0.00%
		18	N/A	2	1.99	0.56	0.01	6.68	0.17	0.01	29.75%	8.37%	0.15%	100.00%	2.54%	0.15%	1.36	0.46	0.01	5.01	0.16	0.01	20.33%	6.88%	0.15%	74.89%	2.39%	0.15%
		19	N/A	2	2.29	0.6	0.03	7.92	0.29	0.01	28.91%	7.58%	0.38%	100.00%	3.66%	0.13%	1.65	0.48	0.03	5.8	0.24	0.01	20.83%	6.06%	0.38%	70.71%	3.03%	0.13%
		20	N/A	2	1.94	0.44	0.03	8.07	0.48	0.02	24.04%	5.45%	0.37%	100.00%	5.95%	0.25%	1.14	0.36	0.03	5.03	0.41	0.02	14.13%	4.46%	0.37%	62.33%	5.08%	0.25%
		24	N/A	5	5.52	1.21	0.03	15.35	0.71	0.01	35.96%	7.88%	0.20%	100.00%	4.63%	0.07%	3.82	0.94	0.03	12.25	0.64	0.01	24.89%	6.12%	0.20%	79.80%	4.17%	0.07%
		25	N/A	5	5	0.65	0.03	15.07	1.56	0.09	33.18%	4.31%	0.20%	100.00%	10.35%	0.60%	3.26	0.52	0.03	9.48	1.38	0.08	21.63%	3.45%	0.20%	62.91%	9.16%	0.53%
		26	N/A	5	4.82	1.74	0.05	14.39	0.41	0.01	33.50%	12.09%	0.35%	100.00%	2.85%	0.07%	3.52	1.37	0.04	11.53	0.36	0.01	24.46%	9.52%	0.28%	80.13%	2.50%	0.07%
		27	N/A	5	5.54	1.87	0.07	14.06	0.17	0.01	39.40%	13.30%	0.50%	100.00%	1.21%	0.07%	4.29	1.48	0.06	10.93	0.14	0.01	30.51%	10.53%	0.43%	77.74%	1.00%	0.07%
		28	N/A	5	5.55	1.78	0.08	13.21	0.28	0.01	42.01%	13.47%	0.61%	100.00%	2.12%	0.08%	4.27	1.47	0.08	10.37	0.23	0.01	32.32%	11.13%	0.61%	78.50%	1.74%	0.08%
		34	N/A	5	5.18	1.39	0.05	14.8	0.26	0	35.00%	13.45%	0.34%	100.00%	1.76%	0.00%	3.93	1.59	0.05	11.76	0.21	0	26.55%	10.74%	0.34%	79.46%	1.42%	0.00%
		35	N/A	5	4.79	1.2	0.03	14.22	1.08	0.1	33.68%	8.44%	0.21%	100.00%	7.59%	0.70%	3.23	1.03	0.03	9.93	0.86	0.09	22.71%	7.24%	0.21%	67.16%	6.05%	0.63%
		36	N/A	5	5.38	1.2	0.06	14.72	0.7	0.03	36.55%	8.15%	0.41%	100.00%	4.76%	0.20%	3.85	0.97	0.06	10.98	0.54	0.02	26.43%	6.59%	0.41%	74.59%	3.67%	0.14%
		37	N/A	5	5.1	0.9	0.03	16.38	1.15	0.03	31.17%	5.50%	0.18%	100.00%	7.03%	0.18%	3.59	0.73	0.03	11.73	1.02	0.03	21.94%	4.46%	0.18%	71.70%	6.23%	0.18%
		128	N/A	1	1.13	0.14	0.01	3.92	0.18	0.01	28.83%	3.57%	0.26%	100.00%	4.59%	0.26%	0.68	0.12	0.01	2.53	0.15	0.01	17.60%	3.06%	0.26%	64.54%	3.83%	0.26%
		130	N/A	1	1.21	0.22	0.01	4.3	0.09	0.01	28.14%	5.12%	0.23%	100.00%	2.09%	0.23%	0.72	0.18	0.01	3.06	0.08	0.01	16.74%	4.19%	0.23%	71.16%	1.86%	0.23%
		132	N/A	1	1.37	0.25	0.01	4.75	0.12	0.01	28.84%	5.26%	0.21%	100.00%	2.53%	0.21%	0.86	0.22	0.01	3.36	0.1	0.01	17.89%	4.63%	0.21%	70.74%	2.11%	0.21%
		134	N/A	1	1.28	0.19	0.01	4.12	0.11	0	31.07%	4.61%	0.24%	100.00%	2.67%	0.00%	0.81	0.15	0.01	2.83	0.1	0	19.66%	3.64%	0.24%	68.69%	2.43%	0.00%
		136	N/A	1	1.1	0.1	0.01	3.11	0.06	0	35.37%	3.22%	0.32%	100.00%	1.93%	0.00%	0.77	0.08	0.01	2.21	0.05	0	24.76%	2.57%	0.32%	71.06%	1.61%	0.00%
		138	N/A	2	1.92	0.29	0.01	7.14	0.3	0.01	26.89%	4.06%	0.14%	100.00%	4.20%	0.14%	1.34	0.23	0.01	4.31	0.26	0.01	18.77%	3.22%	0.14%	60.36%	3.64%	0.14%
		139	N/A	2	2.16	0.37	0.01	8.7	0.47	0.03	24.83%	4.25%	0.11%	100.00%	5.40%	0.34%	1.28	0.33	0.01	5.32	0.38	0.03	14.71%	3.68%	0.11%	61.15%	4.37%	0.34%
		140	N/A	2	2.82	0.77	0.02	8.68	0.15	0.02	32.60%	8.90%	0.23%	100.00%	1.73%	0.23%	1.54	0.65	0.02	6.23	0.12	0.02	22.43%	7.51%	0.23%	72.02%	1.39%	0.23%
		141	N/A	2	3.07	0.44	0.02	6.88	0.03	0	44.56%	6.39%	0.29%	100.00%	0.44%	0.00%	2.32	0.32	0.02	5.3	0.03	0	33.67%	4.64%	0.29%	79.83%	0.44%	0.00%
		146	N/A	2	3.06	0.74	0.02	8.57	0.1	0	35.71%	8.63%	0.23%	100.00%	1.17%	0.00%	2.1	0.59	0.02	6.58	0.09	0	24.50%	6.88%	0.23%	76.78%	1.05%	0.00%
1	Patch	147	N/A	2	2.76	0.59	0.01	7.68	0.23	0.02	35.94%	7.68%	0.13%	100.00%	2.99%	0.26%	1.86	0.48	0.01	5.38	0.2	0.02	24.22%	6.25%	0.13%	70.05%	2.60%	0.26%
		148	N/A	2	2.01	0.54	0.01	9.18	0.35	0.02	21.90%	5.88%	0.11%	100.00%	3.81%	0.22%	1.37	0.45	0.01	5.79	0.3	0.02	14.92%	4.90%	0.11%	63.07%	3.27%	0.22%
		152	N/A	5	5.56	1.65	0.03	15.42	0.68	0.04	36.03%	10.69%	0.19%	100.00%	4.41%	0.26%	4.03	1.38	0.03	11.37	0.61	0.04	26.12%	8.94%	0.19%	73.36%	3.95%	0.26%
		153	N/A	5	4.97	0.99	0.03	18	1.67	0.05	27.61%	5.50%	0.17%	100.00%	9.28%	0.28%	3.21	0.78	0.02	10.56	1.5	0.05	17.83%	4.33%	0.11%	58.67%	8.33%	0.28%
		154	N/A	5	7.17	1.72	0.06	16.26	0.31	0.02	44.12%	10.58%	0.37%	100.00%	1.91%	0.12%	5.31	1.42	0.06	12.83	0.27	0.01	32.68%	8.74%	0.37%	78.95%	1.66%	0.06%
		155	N/A	5	6.41	1.99	0.04	16.12	0.24	0.02	39.76%	12.34%	0.25%	100.00%	1.49%	0.12%	4.6	1.74	0.04	12.89	0.2	0.02	28.54%	10.79%	0.25%	79.71%	1.24%	0.12%
		156	N/A	5	7.63	1.68	0.07	16.33	0.24	0.02	46.66%	10.29%	0.43%	100.00%	1.47%	0.12%	5.78	1.36	0.06	12.88	0.21	0.02	35.39%	8.33%	0.37%	78.87%	1.29%	0.12%
		162	N/A	5	7.18	1.75	0.05	15.65	0.25	0.01	45.88%	11.44%	0.32%	100.00%	1.60%	0.06%	5.26	1.44	0.05	12.51	0.2	0.01	33.61%	9.20%	0.32%	79.94%	1.28%	0.06%
		163	N/A	5	6.35	1.14	0.03	17.4	1.55	0.07	36.49%	6.55%	0.17%	100.00%	8.91%	0.40%	4.53	0.93	0.03	12.12	1.16	0.06	26.03%	5.34%	0.17%	69.66%	6.67%	0.34%
		164	N/A	5	5.74	1.58	0.04	15.1	0.47	0.05	38.01%	10.46%	0.26%	100.00%	3.11%	0.33%	3.98	1.33	0.04	11.4	0.34	0.05	26.36%	8.81%	0.26%	76.82%	2.25%	0.33%
		165	N/A	5	4.89	1.46	0.03	15.79	1.05	0.03	30.97%	9.25%	0.19%	100.00%	6.65%	0.19%	3.49	1.22	0.03	10.97	0.94	0.03	22.10%	7.73%	0.19%	69.47%	5.95%	0.19%
		0	128	2	3.28	0.59	0.03	9.21	0.68	0.03	35.61%	6.41%	0.33%	100.00%	7.38%	0.33%	2.13	0.46	0.03	6.62	0.57	0.03	23.13%	4.99%	0.33%	71.88%	6.19%	0.22%
		2	130	2	3.64	0.74	0.02	8.89	0.31	0.03	40.94%	8.32%	0.22%	100.00%	3.49%	0.34%	2.36	0.6	0.02	6.42	0.25	0.03	26.55%	6.75%	0.22%	72.22%	2.81%	0.34%
		4	132	2	3.8	0.79	0.03	9.81	0.33	0.02	38.74%	8.05%	0.31%	100.00%	3.36%	0.20%	2.54	0.66	0.03	7.19	0.29	0.02	25.89%	6.73%	0.31%	73.29%	2.96%	0.20%
		6	134	2	3.15	0.66	0.03	8.45	0.29	0.02	37.28%	7.81%	0.36%	100.00%	3.43%	0.24%	2.02	0.53	0.02	6.21	0.26	0.02	23.91%	6.27%	0.24%	73.49%	3.08%	0.24%
		8	136	2	2.69	0.37	0.01	7.45	0.19	0.01	36.11%	4.97%	0.13%	100.00%	2.55%	0.13%	1.81	0.3	0.01	5.49	0.17	0.01	24.30%	4.03%	0.13%	73.69%	2.28%	0.13%
		10	138	4	5.16	0.94	0.03	15.88	0.88	0.04	32.49%	5.92%	0.13%	100.00%	5.54%	0.25%	3.57	0.78	0.02	10.56	0.8	0.04	22.48%	4.91%	0.13%	65.24%	5.04%	0.25%
		11	139	4	3.75	0.75	0.02	12.03	0.8	0.07	31.17%	6.23%	0.17%	100.00%	6.65%	0.58%	2.4	0.62	0.02	8.51	0.7	0.06	19.95%	5.15%	0.17%	70.74%	5.82%	0.50%
		12	140	4	8.22	2.03	0.05	17.86	0.67	0.05	46.02%	11.37%	0.28%	100.00%	3.75%	0.28%	6.13	1.71	0.05	13.63	0.53	0.05	34.32%	9.57%	0.28%	76.32%	2.97%	0.28%
		13	141	4	7.3	1.56	0.06	14.46	0.1	0.01	50.48%	10.79%	0.41%	100.00%	0.69%	0.07%	5.4	1.28	0.06	11.66	0.09	0.01	37.34%	8.85%	0.41%	80.64%	0.62%	0.07%
		18	146	4	6.13	1.92	0.04	16.34	0.49	0.01	37.52%	11.75%	0.24%	100.00%	3.00%	0.06%	4.47	1.56	0.03	13.3	0.43	0.01	27.36%	9.55%	0.18%	81.40%	2.63%	0.06%
		19	147	4	7.82	2.18	0.07	19.5	0.87	0.03	40.10%	11.18%	0.36%	100.00%	4.46%	0.15%	5.6	1.75	0.07	15.09	0.73	0.03	28.72%	8.97%	0.36%	77.38%	3.74%	0.15%
		20	148	4	5.8	1.59	0.06	18.52	1.23	0.06	31.32%	8.59%	0.32%	100.00%	6.64%	0.32%	3.95	1.31	0.06	13.24	1.07	0.06	21.33%	7.07%	0.32%	71.49%	5.78%	0.32%
		24	152	10	14.12	4.61	0.13	40.27	2.02	0.08	35.06%	11.45%	0.25%	100.00%	5.02%	0.20%	10.23	3.72	0.09	32.98	1.75	0.08	25.40%	9.24%	0.22%	81.90%	4.35%	0.20%
		25	153	10	14.86	1.92	0.09	39.33	4.26	0.19	37.78%	4.88%	0.23%	100.00%	10.83%	0.48%	9.72	1.59	0.09	27.25	3.8	0.18	24.71%	4.04%	0.23%	69.39%	9.66%	0.46%
		26	154	10	15.51	5.3	0.19	37.05	1.06	0.05	41.86%	14.30%	0.51%	100.00%	2.86%	0.13%	11.43	4.31	0.19	30.52	0.76	0.05	30.85%	11.63%	0.51%	82.38%	2.05%	0.13%
		27	155	10	15.04	5.2	0.14	33.65	0.52	0.04	44.70%	15.45%	0.42%	100.00%	1.55%	0.12%	11.53	4.37	0.13	26.74	0.46	0.04	34.26%	12.99%	0.39%	79.47%	1.37%	0.12%
		28	156	10	16.24	5.42	0.15	34.1	0.92	0.04	47.62%	15.89%	0.44%	100.00%	2.70%	0.12%	12.87	4.37	0.15	28.13	0.79	0.04	37.74%	12.82%	0.44%	82.49%	2.32%	0.12%
		34	162	10	15.95	6.22	0.14	37.39	0.75	0.02	42.66%	16.64%	0.37%	100.00%	2.01%	0.05%	12.19	5.07	0.14	31.53	0.63	0.02	32.60%	13.56%	0.37%	84.33%	1.68%	0.05%
		35	163	10	15.16	2.71	0.1	36.57	3.56	0.23	41.45%	7.41%	0.27%	100.00%	9.73%	0.63%	10.68	2.27	0.1	26.62	2.73	0.22	29.20%	6.21%	0.27%	72.79%	7.47%	0.60%
		36	164	10	16.01	3.66	0.12	37.64	1.8	0.13	42.53%	9.72%	0.32%	100.00%	4.78%	0.35%	11.61	2.99	0.11	29.33	1.38	0.13	30.84%	7.94%	0.29%	77.92%	3.67%	0.35%
		37	165	10	13.04	3.45	0.09	41.05	2.92	0.1	31.77%	8.40%	0.22%	100.00%	7.11%	0.24%	9.38	2.83	0.09	31.51	2.57	0.1	22.85%	6.89%	0.22%	76.76%	6.26%	0.24%

3.1.3 PD simulation at 25GHz

Table 4 and Table 5 show the PD simulation evaluation of ANT#0 and ANT#1 patch antenna at 25GHz for the corresponding evaluation planes specified in Table 1.

Table 6. PD of ANT#0 – patch antenna (25GHz)

- ANT#0 Low CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
		1	N/A	1	1.24	0.3	4.03	0.03	0.01	0.02	30.77%	7.44%	100.00%	0.74%	0.25%	0.50%	0.78	0.25	2.59	0.02	0.01	0.02	19.35%	6.20%	64.27%	0.50%	0.25%	0.50%
		3	N/A	1	0.77	0.32	3.08	0.04	0.01	0.04	25.00%	10.39%	100.00%	1.30%	0.32%	1.30%	0.51	0.26	2.02	0.02	0.01	0.02	16.56%	8.44%	65.58%	0.65%	0.32%	0.65%
		5	N/A	1	0.66	0.16	2.75	0.01	0.01	0.04	24.00%	5.82%	100.00%	0.36%	0.36%	1.45%	0.37	0.14	1.54	0.01	0.01	0.04	13.45%	5.09%	56.00%	0.36%	0.36%	1.45%
		7	N/A	1	0.57	0.12	2.35	0.01	0.01	0.06	24.26%	5.11%	100.00%	0.43%	0.43%	2.55%	0.3	0.09	1.21	0.01	0.01	0.05	12.77%	3.83%	51.49%	0.43%	0.43%	2.13%
		9	N/A	1	0.35	0.16	2.22	0.01	0.01	0.09	15.77%	7.21%	100.00%	0.45%	0.45%	4.05%	0.22	0.12	1.33	0.01	0.01	0.06	9.91%	5.41%	59.91%	0.45%	0.45%	2.70%
		14	N/A	2	1.52	0.53	5.91	0.04	0.04	0.1	25.72%	8.97%	100.00%	0.68%	0.68%	1.69%	0.98	0.44	3.37	0.02	0.04	0.06	16.58%	7.45%	57.02%	0.34%	0.68%	1.02%
		15	N/A	2	2.38	0.95	7.58	0.05	0.03	0.06	31.40%	12.53%	100.00%	0.66%	0.40%	0.79%	1.66	0.79	5.08	0.04	0.03	0.04	21.90%	10.42%	67.02%	0.53%	0.40%	0.53%
		16	N/A	2	0.78	0.34	4.24	0.02	0.01	0.17	18.40%	8.02%	100.00%	0.47%	0.24%	4.01%	0.42	0.28	2.56	0.01	0.01	0.15	9.91%	6.60%	60.38%	0.24%	0.24%	3.54%
		17	N/A	2	1.3	0.23	4.67	0.02	0.03	0.19	23.55%	4.93%	100.00%	0.43%	0.64%	4.07%	0.62	0.2	2.33	0.02	0.03	0.12	13.28%	4.28%	49.89%	0.43%	0.64%	2.57%
		21	N/A	2	0.93	0.31	4.73	0.01	0.02	0.05	19.66%	6.55%	100.00%	0.21%	0.42%	1.06%	0.56	0.25	2.97	0.01	0.02	0.04	11.84%	5.29%	62.79%	0.21%	0.42%	0.85%
		22	N/A	2	2.49	0.91	7.82	0.07	0.01	0.03	31.84%	11.64%	100.00%	0.90%	0.13%	0.38%	1.7	0.77	5.48	0.05	0.01	0.03	21.74%	9.85%	70.08%	0.64%	0.13%	0.38%
		23	N/A	2	1.8	0.61	5.84	0.03	0.01	0.05	30.82%	10.45%	100.00%	0.51%	0.17%	0.86%	1.23	0.53	4.2	0.02	0.01	0.04	21.06%	9.08%	71.92%	0.34%	0.17%	0.68%
		29	N/A	5	6.98	1.69	19.55	0.09	0.18	0.14	35.70%	8.64%	100.00%	0.46%	0.92%	0.72%	4.13	1.42	11.21	0.06	0.18	0.1	21.13%	7.26%	57.34%	0.31%	0.92%	0.51%
		30	N/A	5	5.09	1.84	14.16	0.1	0.01	0.12	35.95%	12.99%	100.00%	0.71%	0.07%	0.85%	3.82	1.65	10.7	0.07	0.01	0.09	26.98%	11.65%	75.56%	0.49%	0.07%	0.64%
		31	N/A	5	3.71	1.29	12.7	0.1	0.02	0.17	29.21%	10.08%	100.00%	0.79%	0.16%	1.34%	2.68	1.1	8.99	0.06	0.02	0.15	20.94%	8.66%	70.79%	0.47%	0.16%	1.18%
		32	N/A	5	2.53	1.27	11.81	0.09	0.03	0.39	21.42%	10.75%	100.00%	0.76%	0.25%	3.30%	1.75	0.99	6.87	0.06	0.03	0.35	14.82%	8.38%	58.17%	0.51%	0.25%	2.96%
		33	N/A	5	1.42	0.94	8.39	0.08	0.02	0.39	16.92%	11.20%	100.00%	0.95%	0.24%	4.65%	0.92	0.76	3.92	0.06	0.02	0.36	10.97%	9.06%	46.72%	0.72%	0.24%	4.29%
		38	N/A	5	3.99	1.21	11.72	0.05	0.02	0.16	34.04%	10.32%	100.00%	0.43%	0.17%	1.37%	2.82	1.06	8.58	0.04	0.02	0.12	24.06%	9.04%	73.21%	0.34%	0.17%	1.02%
		39	N/A	5	4.2	1.82	13.78	0.08	0.02	0.09	30.48%	13.21%	100.00%	0.58%	0.15%	0.65%	3.08	1.59	9.94	0.05	0.02	0.06	22.35%	11.54%	72.13%	0.36%	0.15%	0.44%
		40	N/A	5	2.82	1.22	10.98	0.07	0.02	0.16	25.73%	11.13%	100.00%	0.64%	0.18%	1.46%	1.91	1	7.23	0.05	0.02	0.15	17.43%	9.12%	65.97%	0.46%	0.18%	1.37%
		41	N/A	5	2.99	0.91	9.9	0.05	0.03	0.29	30.20%	9.19%	100.00%	0.91%	0.30%	2.93%	2.01	0.75	6.33	0.04	0.03	0.26	20.30%	7.58%	63.94%	0.61%	0.30%	2.63%
		129	N/A	1	0.71	0.37	3.04	0.02	0.02	0.04	23.36%	12.17%	100.00%	0.66%	0.66%	1.32%	0.46	0.27	1.89	0.01	0.01	0.04	14.80%	8.88%	62.17%	0.33%	0.33%	1.32%
		131	N/A	1	0.84	0.22	3.22	0.01	0.01	0.06	26.09%	6.83%	100.00%	0.31%	0.31%	1.86%	0.47	0.18	1.71	0.01	0.01	0.05	14.60%	5.59%	53.11%	0.31%	0.31%	1.55%
		133	N/A	1	0.7	0.28	2.69	0.03	0.01	0.03	26.02%	10.41%	100.00%	1.12%	0.37%	1.12%	0.46	0.22	1.8	0.02	0.01	0.03	17.10%	8.18%	66.91%	0.74%	0.37%	1.12%
		135	N/A	1	0.82	0.21	2.61	0.07	0.01	0.05	31.44%	7.95%	100.00%	2.65%	0.38%	1.89%	0.48	0.18	1.61	0.05	0.01	0.05	18.18%	6.06%	60.98%	1.89%	0.38%	1.89%
		137	N/A	1	0.21	0.05	0.62	0	0	0.03	33.87%	8.06%	100.00%	0.00%	0.00%	4.84%	0.14	0.03	0.37	0	0	0.02	22.58%	4.84%	59.68%	0.00%	0.00%	3.23%
		142	N/A	2	1.45	0.58	6.09	0.03	0.03	0.05	23.81%	9.52%	100.00%	0.49%	0.49%	0.82%	0.97	0.48	3.97	0.02	0.03	0.05	15.93%	7.88%	65.19%	0.33%	0.49%	0.82%
		143	N/A	2	2.11	0.69	7.21	0.05	0	0.11	29.26%	9.57%	100.00%	0.69%	0.00%	1.53%	1.33	0.57	4.89	0.04	0	0.1	18.45%	7.91%	67.82%	0.55%	0.00%	1.39%
		144	N/A	2	1.74	0.76	5.72	0.11	0	0.07	30.42%	13.29%	100.00%	1.92%	0.00%	1.22%	1.19	0.55	3.98	0.08	0.00	0.05	20.80%	9.62%	69.58%	1.40%	0.00%	0.87%
		145	N/A	2	1.59	0.58	5.85	0.03	0.02	0.15	26.50%	9.51%	100.00%	0.51%	0.34%	2.56%	0.88	0.5	2.68	0.03	0.02	0.14	15.21%	8.55%	45.81%	0.51%	0.34%	2.39%
		149	N/A	2	1.45	0.6	6.19	0.03	0.02	0.05	23.42%	9.69%	100.00%	0.48%	0.32%	0.81%	0.97	0.5	4.13	0.02	0.03	0.04	15.67%	8.08%	66.72%	0.32%	0.32%	0.65%
0	Patch	150	N/A	2	1.45	0.63	6.46	0.02	0.02	0.04	22.45%	9.75%	100.00%	0.31%	0.31%	0.62%	0.96	0.53	4.39	0.02	0.01	0.03	14.86%	8.20%	67.96%	0.31%	0.15%	0.46%
		151	N/A	2	1.18	0.4	3.67	0.09	0	0.05	32.15%	10.90%	100.00%	2.45%	0.00%	1.36%	0.8	0.28	2.38	0.07	0	0.05	21.80%	7.63%	64.85%	1.91%	0.00%	1.36%
		157	N/A	5	1.95	0.74	7.82	0.16	0.1	0.18	24.94%	9.46%	100.00%	2.05%	1.28%	2.30%	1.17	0.61	4.72	0.11	0.09	0.14	14.96%	7.80%	60.36%	1.41%	1.15%	1.79%
		158	N/A	5	3.78	1.68	12.62	0.12	0.02	0.12	29.95%	13.31%	100.00%	0.95%	0.16%	0.95%	2.8	1.46	9.01	0.09	0.02	0.11	22.19%	11.57%	71.39%	0.71%	0.16%	0.87%
		159	N/A	5	3.82	1.77	12.28	0.27	0.02	0.06	31.11%	14.41%	100.00%	2.20%	0.16%	0.49%	2.82	1.33	8.78	0.2	0.02	0.05	23.05%	10.71%	71.50%	1.63%	0.16%	0.41%
		160	N/A	5	2.79	1.44	10.22	0.15	0.03	0.08	27.30%	14.09%	100.00%	1.47%	0.29%	0.78%	2.07	1.09	6.5	0.1	0.03	0.08	20.25%	10.67%	63.60%	0.98%	0.29%	0.78%
		161	N/A	5	4.51	1.33	13.68	0.09	0.03	0.45	32.97%	9.72%	100.00%	0.66%	0.22%	3.29%	2.91	1.07	7.96	0.06	0.03	0.42	21.27%	7.82%	58.19%	0.44%	0.22%	3.07%
		166	N/A	5	3.2	1.34	10.98	0.12	0.02	0.16	29.14%	12.20%	100.00%	1.09%	0.18%	1.46%	2.34	1.13	7.69	0.08	0.02	0.15	21.31%	10.29%	70.04%	0.73%	0.18%	1.37%
		167	N/A	5	4.34	1.73	13	0.24	0.02	0.06	33.38%	13.31%	100.00%	1.85%	0.15%	0.46%	3.2	1.53	9.46	0.18	0.02	0.05	24.62%	11.77%	72.77%	1.38%	0.15%	0.38%
		168	N/A	5	3.62	1.96	11.51	0.21	0.01	0.1	31.45%	17.03%	100.00%	1.82%	0.09%	0.87%	2.68	1.51	7.95	0.13	0.01	0.09	23.28%	13.12%	69.07%	1.13%	0.09%	0.78%
		169	N/A	5	3.96	1.85	13.04	0.17	0.03	0.28	30.37%	14.19%	100.00%	1.30%	0.23%	2.15%	2.75	1.56	8.51	0.1	0.03	0.25	21.09%	11.96%	65.26%	0.77%	0.23%	1.92%
		1	129	2	1.94	0.82	8.09	0.05	0.05	0.11	23.98%	10.14%	100.00%	0.62%	0.62%	1.36%	1.3	0.6	5.07	0.03	0.04	0.1	16.07%	7.42%	62.67%	0.37%	0.49%	1.24%
		3	131	2	2.16	0.71	9.78	0.06	0.04	0.12	22.09%	7.26%	100.00%	0.61%	0.41%	1.23%	1.26	0.58	5.82	0.05	0.04	0.1	12.88%	5.93%	59.51%	0.51%	0.41%	1.02%
		5	133	2	1.91	0.62	8.31	0.08	0.03	0.11	22.98%	7.46%	100.00%	0.96%	0.36%	1.32%	1.17	0.51	5.22	0.06	0.03	0.08	14.08%	6.14%	62.82%	0.72%	0.36%	0.96%
		7	135	2	2.07	0.45	8.2	0.13	0.04	0.14	24.54%	5.42%	100.00%	1.45%	0.48%	1.69%	1.31	0.37	4.86	0.09	0.04	0.13	13.37%	3.86%	58.55%	1.08%	0.48%	1.57%
		9	137	2	0.97	0.36	4.4	0.02	0.01	0.21	22.05%	8.18%	100.00%	0.45%	0.23%	4.77%	0.63	0.27	2.71	0.01	0.01	0.14	14.32%	6.14%	61.59%	0.23%	0.23%	3.18%
		14	142	4	3.5	1.62	15.51	0.08	0.09	0.22	22.57%	10.44%	100.00%	0.52%	0.58%	1.42%	2.15	1.33	9.25	0.05	0.09	0.2	13.86%	8.58%	59.64%	0.32%	0.58%	1.29%
		15	143	4	4.44	1.95	16.59	0.19	0.05	0.16	26.76%	11.75%	100.00%	1.15%	0.30%	0.96%	2.98	1.68	10.69	0.13	0.05	0.14	17.96%	10.13%	64.44%	0.78%	0.30%	0.84%
		16	144	4	3.91	1.61	16.85	0.19	0.02	0.31	23.20%	9.55%	100.00%	1.13%	0.12%	1.84%	2.5	1.13	11.38	0.12	0.02	0.28	14.84%	6.65%	67.54%	0.71%	0.12%	1.66%
		17	145	4	2.47	1.1	8.09	0.08	0.08	0.39	30.53%	13.60%	100.00%	0.99%	0.99%	4.82%	1.48	0.99	4.77	0.07	0.08	0.31	18.42%	11.74%	58.96%	0.87%	0.99%	3.83%
		21	149	4	2.42	1.02	8.69	0.09	0.07	0.11	27.85%	11.85%	100.00%	0.58%	0.81%	1.27%	1.67	0.89	5.73	0.03	0.07	0.08	19.22%	10.24%	65.94%	0.35%	0.81%	0.92%
		22	150	4	5.04	2.07	18.57	0.16	0.03	0.09	27.14%	11.15%	100.00%	0.81%	0.16%	0.48%	3.42	1.62	12.66	0.1	0.03	0.09	18.42%	8.72%	68.17%	0.54%	0.16%	0.48%
		23	151	4	3.72	1.01	11.15	0.21	0.02	0.11	33.36%	9.06%	100.00%	1.88%	0.18%	0.99%	2.49	0.84	8.22	0.15	0.02	0.1	22.33%	7.53%	73.72%	1.35%	0.18%	0.90%
		29	157	10	14.08	3.66	34.93	0.47	0.46	0.46	40.31%	10.48%	100.00%	1.35%	1.32%	1.32%	7.4	3.17	20.74	0.29	0.45	0.38	21.19%	9.08%	59.38%	0.83%	1.29%	1.09%
		30	158	10	13.39	4.79	36.86	0.41	0.04	0.29	36.33%	13.00%	100.00%	1.11%	0.11%	0.79%	9.76	4.05	28.63	0.3	0.04	0.27	26.56%	10.99%	77.67%	0.81%	0.11%	0.73%
		31	159	10	8.92	3.6	29.58	0.49	0.06	0.24	30.16%	12.17%	100.00%	1.66%	0.20%	0.81%	6.43	3.1	20.81	0.35	0.05	0.22	21.74%	10.48%	70.35%	1.18%	0.17%	0.74%
		32	160	10	7.63	2.81	28.68	0.32	0.1	0.47	26.60%	9.80%	100.00%	1.12%	0.35%	1.64%	5.47	2.29	17.72	0.22	0.1	0.43	19.07%	7.95%	61.79%	0.77%	0.35%	1.50%
		33	161	10	7.3	3.1	27.8	0.3	0.08	1.08	26.26%	11.15%	100.00%	1.08%	0.29%	3.88%	5.58	2.29	16.24	0.22	0.08	1	20.07%	8.24%	58.42%	0.79%	0.29%	3.60%
		38	166	10	11.12	3.79	34.96	0.32	0.06	0.45	31.81%	10.84%	100.00%	0.92%	0.17%	1.29%	7.55	3.19	25.93	0.22	0.05	0.4	21.60%	9.12%	74.17%	0.63%	0.14%	1.14%
		39	167	10	10.97	5.28	33.06	0.5	0.06	0.22	33.18%	15.97%	100.00%	1.51%	0.18%	0.67%	8.19	4.64	25.33	0.38	0.06	0.15	24.77%	14.04%	76.62%	1.15%	0.18%	0.45%
		40	168	10	7.54	3.85	26.16	0.33	0.04	0.31	28.82%	14.72%	100.00%	1.26%	0.15%	1.19%	5.63	3.19	18.9	0.24	0.04	0.29	21.52%	12.19%	72.29%	0.92%	0.15%	1.11%
		41	169	10	9.71	3.62	27.5	0.3	0.11	0.76	35.31%	13.16%	100.00%	1.09%	0.40%	2.76%	6.17	3.07	18.38	0.19	0.1	0.73	22.44%	11.16%	66.84%	0.69%	0.36%	2.62%

- ANT#0 Mid CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
0	Patch	1	N/A	1	1.28	0.28	4.1	0.02	0.01	0.02	31.22%	6.83%	100.00%	0.49%	0.24%	0.49%	0.83	0.22	2.82	0.02	0.01	0.02	20.24%	5.37%	68.78%	0.49%	0.24%	0.49%
		3	N/A	1	0.84	0.35	3.03	0.04	0.01	0.02	27.72%	10.89%	100.00%	1.32%	0.33%	0.99%	0.55	0.27	2.01	0.03	0.01	0.02	18.15%	8.91%	66.34%	0.99%	0.33%	0.66%
		5	N/A	1	0.81	0.17	3.23	0.01	0.02	0.04	25.08%	5.26%	100.00%	0.31%	0.62%	1.24%	0.44	0.15	1.82	0.01	0.02	0.04	13.62%	4.64%	56.35%	0.31%	0.62%	1.24%
		7	N/A	1	0.74	0.12	2.82	0.01	0.01	0.06	26.24%	4.26%	100.00%	0.35%	0.35%	2.13%	0.4	0.09	1.55	0.01	0.01	0.05	14.18%	3.19%	54.96%	0.35%	0.35%	1.77%
		9	N/A	1	0.37	0.14	2.16	0.01	0.01	0.08	17.13%	6.48%	100.00%	0.46%	0.46%	3.70%	0.23	0.11	1.26	0.01	0.01	0.06	10.65%	5.09%	58.33%	0.46%	0.46%	2.78%
		14	N/A	2	1.47	0.5	5.86	0.04	0.04	0.08	25.09%	8.53%	100.00%	0.68%	0.68%	1.37%	0.98	0.42	3.57	0.03	0.04	0.05	16.89%	7.17%	60.92%	0.51%	0.68%	0.85%
		15	N/A	2	2.54	0.91	7.75	0.06	0.02	0.05	32.77%	11.74%	100.00%	0.77%	0.26%	0.65%	1.79	0.77	5.38	0.04	0.02	0.03	23.10%	9.94%	69.42%	0.52%	0.26%	0.39%
		16	N/A	2	1	0.33	5.02	0.01	0.01	0.15	19.92%	6.57%	100.00%	0.20%	0.20%	2.99%	0.63	0.27	3.15	0.01	0.01	0.13	12.55%	5.38%	62.75%	0.20%	0.20%	2.59%
		17	N/A	2	1.3	0.3	4.89	0.02	0.02	0.17	26.58%	6.13%	100.00%	0.41%	0.41%	3.48%	0.76	0.27	2.38	0.02	0.02	0.11	15.54%	5.52%	48.67%	0.41%	0.41%	2.25%
		21	N/A	2	1.28	0.35	5.61	0.01	0.03	0.05	22.82%	6.24%	100.00%	0.18%	0.53%	0.89%	0.75	0.26	3.6	0.01	0.03	0.04	13.37%	4.63%	64.17%	0.18%	0.53%	0.71%
		22	N/A	2	2.68	0.88	7.94	0.06	0	0.03	33.75%	11.08%	100.00%	0.76%	0.00%	0.38%	1.9	0.75	5.7	0.04	0	0.02	23.93%	9.45%	71.79%	0.50%	0.00%	0.25%
		23	N/A	2	2.06	0.68	6.69	0.03	0.01	0.05	30.79%	10.16%	100.00%	0.45%	0.15%	0.75%	1.39	0.58	4.8	0.02	0.01	0.04	20.78%	8.67%	71.75%	0.30%	0.15%	0.60%
		29	N/A	5	7.53	1.58	20.91	0.09	0.2	0.12	36.01%	7.56%	100.00%	0.43%	0.96%	0.57%	4.46	1.34	11.87	0.06	0.19	0.1	21.33%	6.41%	56.77%	0.29%	0.91%	0.48%
		30	N/A	5	5.68	2.09	16.22	0.1	0.01	0.1	35.02%	12.89%	100.00%	0.62%	0.06%	0.62%	4.24	1.87	12.28	0.07	0.01	0.07	26.14%	11.53%	75.71%	0.43%	0.06%	0.43%
		31	N/A	5	4.11	1.49	13.49	0.09	0.03	0.14	30.56%	11.08%	100.00%	0.67%	0.22%	1.04%	3.01	1.31	9.59	0.07	0.02	0.11	22.38%	9.74%	71.30%	0.52%	0.15%	0.82%
		32	N/A	5	3.1	1.14	11.41	0.08	0.05	0.29	27.17%	9.99%	100.00%	0.70%	0.44%	2.54%	2.21	0.9	7.11	0.06	0.05	0.26	19.37%	7.89%	62.31%	0.53%	0.44%	2.28%
		33	N/A	5	1.81	0.82	8.36	0.09	0.04	0.39	21.65%	9.81%	100.00%	1.08%	0.48%	4.67%	1.02	0.71	3.9	0.07	0.03	0.33	12.20%	8.49%	46.65%	0.84%	0.36%	3.95%
		38	N/A	5	4.46	1.42	13.42	0.05	0.02	0.12	33.23%	10.58%	100.00%	0.37%	0.15%	0.89%	3.16	1.24	9.95	0.03	0.02	0.09	23.55%	9.24%	74.14%	0.22%	0.15%	0.67%
		39	N/A	5	4.78	1.9	15.24	0.07	0.01	0.08	31.36%	12.47%	100.00%	0.46%	0.07%	0.52%	3.53	1.68	11.25	0.05	0.01	0.06	23.16%	11.02%	73.82%	0.33%	0.07%	0.39%
		40	N/A	5	3.6	1.68	12.72	0.07	0.02	0.15	28.30%	13.21%	100.00%	0.55%	0.16%	1.18%	2.55	1.42	8.58	0.05	0.02	0.11	20.05%	11.16%	67.45%	0.39%	0.16%	0.86%
		41	N/A	5	3.33	0.88	10.2	0.06	0.03	0.24	32.65%	8.63%	100.00%	0.59%	0.29%	2.35%	2.31	0.74	6.98	0.04	0.03	0.23	22.65%	7.25%	68.43%	0.39%	0.29%	2.25%
		129	N/A	1	0.72	0.24	3.35	0.03	0.01	0.04	21.49%	10.15%	100.00%	0.90%	0.30%	1.19%	0.45	0.25	2.19	0.02	0.01	0.04	13.43%	7.46%	65.37%	0.60%	0.30%	1.19%
		131	N/A	1	0.92	0.24	3.55	0.01	0.01	0.07	25.92%	6.76%	100.00%	0.28%	0.28%	1.97%	0.54	0.2	1.92	0.01	0.01	0.06	15.21%	5.63%	54.08%	0.28%	0.28%	1.69%
		133	N/A	1	0.73	0.37	2.91	0.03	0.01	0.03	25.09%	12.71%	100.00%	1.03%	0.34%	1.03%	0.48	0.3	1.89	0.02	0.01	0.03	16.49%	10.31%	64.95%	0.69%	0.34%	1.03%
		135	N/A	1	0.87	0.21	2.7	0.05	0.01	0.06	32.22%	7.78%	100.00%	1.85%	0.37%	2.22%	0.49	0.16	1.68	0.04	0.01	0.04	18.15%	5.93%	62.22%	1.48%	0.37%	1.48%
		137	N/A	1	0.3	0.06	0.79	0.01	0	0.04	37.97%	7.59%	100.00%	1.27%	0.00%	5.06%	0.2	0.05	0.48	0.01	0	0.03	25.32%	6.33%	60.76%	1.27%	0.00%	3.80%
		142	N/A	2	1.54	0.66	6.51	0.02	0.03	0.05	23.55%	10.09%	100.00%	0.46%	0.46%	0.76%	1.01	0.54	4.26	0.02	0.03	0.04	15.44%	8.26%	65.14%	0.31%	0.46%	0.61%
		143	N/A	2	2.31	0.83	8.01	0.06	0	0.1	28.84%	10.36%	100.00%	0.75%	0.00%	1.25%	1.48	0.69	5.54	0.05	0	0.1	18.48%	8.61%	69.16%	0.62%	0.00%	1.25%
		144	N/A	2	1.72	0.76	6.05	0.05	0.01	0.08	28.43%	12.56%	100.00%	1.49%	0.17%	1.32%	1.17	0.59	4.04	0.07	0.01	0.06	19.34%	9.75%	66.78%	1.16%	0.17%	0.99%
		145	N/A	2	1.61	0.58	6.32	0.06	0.02	0.19	25.47%	9.18%	100.00%	0.95%	0.32%	3.01%	0.96	0.47	3.04	0.05	0.02	0.17	15.19%	7.44%	48.10%	0.79%	0.32%	2.69%
		149	N/A	2	1.55	0.69	6.72	0.03	0.03	0.04	23.07%	10.27%	100.00%	0.45%	0.45%	0.60%	1.03	0.56	4.48	0.02	0.03	0.03	15.33%	8.33%	66.67%	0.30%	0.45%	0.45%
		150	N/A	2	1.69	0.71	7.28	0.03	0.02	0.03	23.21%	9.75%	100.00%	0.41%	0.27%	0.41%	1.12	0.57	4.58	0.02	0.02	0.03	15.38%	7.83%	68.41%	0.27%	0.27%	0.41%
		151	N/A	2	1.29	0.42	4.03	0.09	0.01	0.05	32.01%	10.42%	100.00%	2.23%	0.25%	1.24%	0.88	0.31	2.68	0.07	0.01	0.05	21.84%	7.69%	66.50%	1.74%	0.25%	1.24%
		157	N/A	5	2.23	0.91	8.48	0.17	0.12	0.26	26.30%	10.73%	100.00%	2.00%	1.42%	3.07%	1.4	0.76	5.02	0.12	0.11	0.19	16.51%	8.96%	59.20%	1.42%	1.30%	2.12%
		158	N/A	5	4.05	1.83	13.41	0.1	0.03	0.11	30.20%	13.65%	100.00%	0.75%	0.22%	0.82%	3.01	1.59	9.35	0.07	0.03	0.1	22.45%	11.86%	69.72%	0.52%	0.22%	0.75%
		159	N/A	5	3.86	2	12.77	0.25	0.03	0.05	30.23%	15.66%	100.00%	1.96%	0.23%	0.39%	2.87	1.51	9.27	0.19	0.02	0.04	22.47%	11.82%	72.59%	1.49%	0.16%	0.31%
		160	N/A	5	3	1.53	11.08	0.14	0.06	0.07	27.08%	13.81%	100.00%	1.26%	0.54%	0.63%	2.22	1.22	6.75	0.09	0.05	0.06	20.04%	11.01%	60.92%	0.81%	0.45%	0.54%
		161	N/A	5	4.34	1.57	14.93	0.13	0.03	0.47	29.83%	10.79%	100.00%	1.03%	0.21%	3.23%	2.89	1.25	8.45	0.1	0.03	0.44	19.86%	8.59%	58.08%	0.69%	0.21%	3.02%
		166	N/A	5	3.34	1.61	11.75	0.1	0.02	0.18	28.43%	13.70%	100.00%	0.85%	0.17%	1.53%	2.49	1.4	7.96	0.06	0.02	0.16	21.19%	11.91%	67.74%	0.51%	0.17%	1.36%
		167	N/A	5	4.53	1.81	14.13	0.21	0.02	0.06	32.06%	12.81%	100.00%	1.49%	0.14%	0.42%	3.34	1.57	10.45	0.17	0.02	0.04	23.64%	11.11%	73.96%	1.20%	0.14%	0.28%
		168	N/A	5	4.43	2.18	13.41	0.18	0.01	0.12	33.04%	16.26%	100.00%	1.34%	0.07%	0.89%	3.24	1.72	9.43	0.13	0.01	0.11	24.16%	12.83%	70.32%	0.97%	0.07%	0.82%
		169	N/A	5	4.35	2.15	14.42	0.15	0.03	0.29	30.17%	14.91%	100.00%	1.04%	0.21%	2.01%	3.02	1.79	9.51	0.08	0.02	0.25	20.94%	12.41%	65.95%	0.55%	0.14%	1.73%
		1	129	2	2.12	0.71	8.42	0.09	0.04	0.1	24.59%	8.24%	100.00%	0.58%	0.46%	1.16%	1.35	0.56	5.58	0.04	0.04	0.09	15.66%	6.50%	64.73%	0.46%	0.46%	1.04%
		3	131	2	2.44	0.78	9.9	0.08	0.05	0.13	24.65%	7.88%	100.00%	0.81%	0.51%	1.31%	1.48	0.64	6.1	0.06	0.05	0.11	14.95%	6.46%	61.62%	0.61%	0.51%	1.11%
		5	133	2	2.22	0.86	9.28	0.08	0.04	0.1	23.92%	9.27%	100.00%	0.86%	0.43%	1.08%	1.34	0.68	5.72	0.06	0.04	0.08	14.44%	7.33%	61.64%	0.65%	0.43%	0.86%
		7	135	2	2.31	0.44	9.13	0.07	0.04	0.15	25.30%	4.82%	100.00%	0.77%	0.44%	1.64%	1.24	0.33	5.48	0.06	0.04	0.13	13.58%	3.61%	60.02%	0.66%	0.44%	1.42%
		9	137	2	1.01	0.29	4.48	0.02	0.02	0.21	22.54%	6.47%	100.00%	0.45%	0.45%	4.69%	0.65	0.22	2.8	0.02	0.02	0.14	14.51%	4.91%	62.50%	0.45%	0.45%	3.13%
		14	142	4	3.54	1.69	15.79	0.08	0.12	0.18	22.43%	10.71%	100.00%	0.51%	0.76%	1.14%	2.21	1.4	9.71	0.05	0.12	0.14	14.01%	8.87%	61.53%	0.32%	0.76%	0.89%
		15	143	4	4.85	2.05	17.85	0.22	0.04	0.15	27.17%	11.71%	100.00%	1.23%	0.22%	0.84%	3.25	1.78	11.93	0.15	0.04	0.13	18.43%	9.97%	66.83%	0.84%	0.22%	0.73%
		16	144	4	4.22	1.82	18.61	0.13	0.02	0.25	22.68%	9.78%	100.00%	0.70%	0.11%	1.34%	2.77	1.44	12.47	0.09	0.02	0.23	14.88%	7.74%	67.01%	0.48%	0.11%	1.24%
		17	145	4	2.78	1.03	8.61	0.12	0.06	0.4	32.29%	11.96%	100.00%	1.39%	0.70%	4.65%	1.53	0.79	5.15	0.09	0.06	0.33	17.77%	9.18%	59.81%	1.05%	0.70%	3.83%
		21	149	4	2.68	1.13	9.88	0.05	0.09	0.13	27.13%	11.44%	100.00%	0.51%	0.91%	1.32%	1.86	0.94	6.52	0.04	0.08	0.1	18.83%	9.51%	65.99%	0.40%	0.81%	1.01%
		22	150	4	5.7	2.07	19.43	0.13	0.03	0.08	29.34%	10.65%	100.00%	0.67%	0.15%	0.41%	3.85	1.55	13.75	0.1	0.03	0.07	19.81%	7.98%	70.77%	0.51%	0.15%	0.36%
		23	151	4	4.04	1.08	12.18	0.19	0.03	0.13	33.17%	8.87%	100.00%	1.56%	0.25%	1.07%	2.71	0.89	9.03	0.14	0.03	0.12	22.25%	7.31%	74.14%	1.15%	0.25%	0.99%
		29	157	10	15.41	3.69	37.42	0.46	0.53	0.52	41.18%	9.86%	100.00%	1.23%	1.42%	1.39%	8.46	3.2	21.93	0.3	0.51	0.35	22.61%	8.55%	58.61%	0.80%	1.36%	0.94%
		30	158	10	14.65	5.58	40.56	0.34	0.04	0.29	36.12%	13.76%	100.00%	0.84%	0.10%	0.71%	10.72	4.8	31.25	0.24	0.04	0.22	26.43%	11.83%	77.05%	0.59%	0.10%	0.54%
		31	159	10	9.38	4.62	31.62	0.48	0.07	0.23	29.66%	14.61%	100.00%	1.52%	0.22%	0.73%	6.78	3.52	22.43	0.36	0.07	0.21	21.44%	11.13%	70.94%	1.14%	0.22%	0.66%
		32	160	10	9.29	2.91	29.81	0.3	0.17	0.41	31.16%	9.76%	100.00%	1.01%	0.57%	1.38%	6.44	2.45	18.3	0.21	0.17	0.35	21.60%	8.22%	61.39%	0.70%	0.57%	1.17%
		33	161	10	7.41	3.32	27.66	0.43	0.08	1.12	26.79%	12.00%	100.00%	1.55%	0.29%	4.05%	5.76	2.45	16.27	0.32	0.08	0.93	20.82%	8.86%	58.82%	1.16%	0.29%	3.33%
		38	166	10	12.3	4.39	37.74	0.26	0.05	0.43	32.59%	11.63%	100.00%	0.69%	0.13%	1.14%	8.58	3.79	27.72	0.17	0.05	0.39	22.66%	10.04%	73.45%	0.45%	0.13%	1.03%
		39	167	10	11.42	5.58	35.68	0.43	0.06	0.21	32.01%	15.64%	100.00%	1.26%	0.17%	0.59%	8.58	4.91	27.61	0.34	0.06	0.14	24.05%	13.76%	77.38%	0.95%	0.17%	0.39%
		40	168	10	8.98	4.93	31.29	0.34	0.05	0.33	28.70%	15.76%	100.00%	1.09%	0.16%	1.05%	6.71	4.18	22.76	0.24	0.05	0.31	21.44%	13.36%	72.74%	0.77%	0.16%	0.99%
		41	169	10	10.64	3.92	29.23	0.24	0.11	0.7	36.40%	13.41%	100.00%	0.82%	0.38%	2.39%	7.08	3.34	20.26	0.17	0.11	0.66	24.22%	11.43%	69.31%	0.58%	0.38%	2.26%

- ANT#0 High CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
		1	N/A	1	1.33	0.3	4.46	0.02	0.01	0.02	29.82%	6.73%	100.00%	0.45%	0.22%	0.45%	0.86	0.24	3.11	0.01	0.01	0.02	19.28%	5.38%	69.73%	0.22%	0.22%	0.45%
		3	N/A	1	0.91	0.26	3.07	0.03	0.01	0.03	29.64%	8.47%	100.00%	0.98%	0.33%	0.98%	0.59	0.21	2.16	0.02	0.01	0.03	19.22%	6.84%	70.38%	0.65%	0.33%	0.65%
		5	N/A	1	0.95	0.19	3.66	0.01	0.02	0.05	25.96%	5.19%	100.00%	0.27%	0.55%	1.37%	0.54	0.16	2.13	0.01	0.02	0.04	14.75%	4.37%	58.20%	0.27%	0.55%	1.09%
		7	N/A	1	0.92	0.17	3.34	0.01	0.01	0.06	27.54%	5.09%	100.00%	0.30%	0.30%	1.80%	0.53	0.14	1.99	0.01	0.01	0.05	15.87%	4.19%	59.58%	0.30%	0.30%	1.50%
		9	N/A	1	0.43	0.14	2.39	0.01	0.01	0.07	17.99%	5.86%	100.00%	0.42%	0.42%	2.93%	0.25	0.1	1.35	0.01	0.01	0.05	10.46%	4.18%	56.49%	0.42%	0.42%	2.09%
		14	N/A	2	1.58	0.5	6.01	0.04	0.03	0.08	26.29%	8.32%	100.00%	0.67%	0.50%	1.33%	1.07	0.41	3.79	0.03	0.03	0.05	17.80%	6.82%	63.06%	0.50%	0.50%	0.83%
		15	N/A	2	2.77	0.85	8.29	0.04	0.02	0.04	33.45%	10.27%	100.00%	0.48%	0.24%	0.48%	1.94	0.72	5.91	0.03	0.01	0.04	23.43%	8.70%	71.38%	0.36%	0.12%	0.48%
		16	N/A	2	1.25	0.45	5.84	0.02	0.01	0.15	21.40%	7.71%	100.00%	0.34%	0.17%	2.57%	0.87	0.36	3.77	0.01	0.01	0.14	14.90%	6.16%	64.55%	0.17%	0.17%	2.40%
		17	N/A	2	1.41	0.28	5.38	0.02	0.03	0.16	26.31%	5.22%	100.00%	0.37%	0.56%	2.99%	0.92	0.22	2.54	0.01	0.03	0.12	15.30%	4.10%	47.39%	0.19%	0.56%	2.24%
		21	N/A	2	1.68	0.47	6.68	0.01	0.03	0.04	25.15%	7.04%	100.00%	0.15%	0.45%	0.60%	1.04	0.37	4.48	0.01	0.03	0.04	15.57%	5.54%	67.07%	0.15%	0.45%	0.60%
		22	N/A	2	2.84	0.81	8.64	0.06	0.01	0.03	32.87%	9.38%	100.00%	0.69%	0.12%	0.35%	1.97	0.69	6.35	0.04	0.01	0.03	22.80%	7.99%	73.50%	0.46%	0.12%	0.35%
		23	N/A	2	2.28	0.68	7.3	0.03	0.01	0.04	31.23%	9.32%	100.00%	0.41%	0.14%	0.55%	1.58	0.58	5.4	0.02	0.01	0.03	21.23%	7.95%	73.97%	0.27%	0.14%	0.41%
		29	N/A	5	8.03	1.45	22.23	0.13	0.22	0.14	36.12%	6.52%	100.00%	0.58%	0.99%	0.63%	4.87	1.23	12.97	0.08	0.22	0.1	21.91%	5.53%	58.34%	0.36%	0.99%	0.45%
		30	N/A	5	6.33	2.17	18.29	0.08	0.01	0.07	34.61%	11.86%	100.00%	0.44%	0.05%	0.38%	4.7	1.93	13.99	0.06	0.01	0.05	25.70%	10.55%	76.49%	0.33%	0.05%	0.27%
		31	N/A	5	4.92	1.64	14.99	0.12	0.03	0.15	32.82%	10.94%	100.00%	0.80%	0.20%	1.00%	3.6	1.46	11.05	0.08	0.03	0.13	24.02%	9.74%	73.72%	0.53%	0.20%	0.87%
		32	N/A	5	3.78	1	13.01	0.09	0.06	0.3	29.05%	7.69%	100.00%	0.69%	0.46%	2.31%	2.74	0.87	8.72	0.07	0.05	0.25	21.06%	6.69%	67.03%	0.54%	0.38%	2.23%
		33	N/A	5	1.98	0.58	9.31	0.05	0.04	0.41	21.27%	6.23%	100.00%	0.97%	0.43%	4.40%	1.14	0.5	4.1	0.07	0.04	0.35	12.24%	5.37%	44.04%	0.75%	0.43%	4.19%
		38	N/A	5	4.96	1.5	14.87	0.05	0.01	0.09	33.36%	10.09%	100.00%	0.34%	0.07%	0.61%	3.52	1.33	11.28	0.04	0.01	0.08	23.67%	8.88%	75.86%	0.27%	0.07%	0.54%
		39	N/A	5	5.74	1.97	16.93	0.11	0.01	0.07	33.90%	11.64%	100.00%	0.65%	0.06%	0.41%	4.21	1.76	12.77	0.07	0.01	0.06	24.87%	10.40%	75.43%	0.41%	0.06%	0.35%
		40	N/A	5	4.57	1.96	15.12	0.07	0.03	0.12	30.22%	12.96%	100.00%	0.46%	0.20%	0.79%	3.29	1.7	10.86	0.06	0.03	0.09	21.76%	11.24%	71.83%	0.40%	0.20%	0.60%
		41	N/A	5	3.4	0.86	11.29	0.06	0.03	0.24	30.12%	7.62%	100.00%	0.53%	0.27%	2.13%	2.41	0.72	8.06	0.05	0.02	0.2	21.35%	6.38%	71.39%	0.44%	0.18%	1.77%
		129	N/A	1	0.88	0.31	3.98	0.02	0.01	0.04	22.11%	7.79%	100.00%	0.50%	0.25%	1.01%	0.54	0.24	2.55	0.02	0.01	0.04	13.57%	6.03%	64.07%	0.50%	0.25%	1.01%
		131	N/A	1	0.9	0.21	3.82	0.01	0.01	0.08	23.56%	5.50%	100.00%	0.26%	0.26%	2.09%	0.55	0.18	2.22	0.01	0.01	0.06	14.40%	4.71%	58.12%	0.26%	0.26%	1.57%
		133	N/A	1	0.78	0.32	2.87	0.02	0.01	0.03	27.18%	11.15%	100.00%	0.70%	0.35%	1.05%	0.53	0.26	1.88	0.02	0.01	0.03	18.47%	9.06%	65.51%	0.70%	0.35%	1.05%
		135	N/A	1	0.88	0.18	2.68	0.03	0.01	0.07	32.84%	6.72%	100.00%	1.12%	0.37%	2.61%	0.53	0.13	1.73	0.02	0.01	0.05	19.78%	4.85%	64.55%	0.75%	0.37%	1.87%
		137	N/A	1	0.44	0.07	1.1	0.01	0	0.05	40.00%	6.36%	100.00%	0.91%	0.00%	4.55%	0.29	0.05	0.68	0.01	0	0.03	26.36%	4.55%	61.82%	0.91%	0.00%	2.73%
		142	N/A	2	1.9	0.74	7.32	0.02	0.03	0.06	25.96%	10.11%	100.00%	0.27%	0.41%	0.82%	1.22	0.62	4.8	0.02	0.03	0.04	16.67%	8.47%	65.57%	0.27%	0.41%	0.55%
		143	N/A	2	2.45	0.77	8.43	0.05	0	0.05	29.06%	9.13%	100.00%	0.59%	0.00%	1.07%	1.61	0.64	6.02	0.04	0	0.08	19.10%	7.59%	71.41%	0.47%	0.00%	0.95%
		144	N/A	2	1.84	0.74	6.32	0.08	0.01	0.08	29.11%	11.71%	100.00%	1.27%	0.16%	1.27%	1.25	0.6	4.2	0.06	0.01	0.06	19.78%	9.49%	66.46%	0.95%	0.16%	0.95%
		145	N/A	2	1.74	0.49	7.01	0.05	0.03	0.22	24.82%	6.99%	100.00%	0.71%	0.43%	3.14%	1.07	0.41	3.55	0.04	0.03	0.18	15.26%	5.85%	50.64%	0.57%	0.43%	2.57%
		149	N/A	2	1.89	0.79	7.61	0.02	0.03	0.05	24.84%	10.38%	100.00%	0.26%	0.39%	0.66%	1.22	0.65	5.08	0.02	0.03	0.04	16.03%	8.54%	66.75%	0.26%	0.39%	0.53%
0	Patch	150	N/A	2	1.98	0.85	8.45	0.02	0.02	0.03	23.43%	10.06%	100.00%	0.24%	0.24%	0.36%	1.31	0.7	5.83	0.02	0.02	0.03	15.50%	8.28%	68.99%	0.24%	0.24%	0.36%
		151	N/A	2	1.49	0.4	4.59	0.07	0	0.06	32.82%	8.81%	100.00%	1.54%	0.00%	1.32%	1.04	0.28	3.14	0.06	0	0.05	22.91%	6.17%	69.16%	1.32%	0.00%	1.10%
		157	N/A	5	2.53	0.97	9.07	0.1	0.11	0.36	27.89%	10.69%	100.00%	1.10%	1.21%	3.97%	1.6	0.78	5.27	0.07	0.11	0.25	17.64%	8.60%	58.10%	0.77%	1.21%	2.76%
		158	N/A	5	4.5	1.89	14.64	0.1	0.03	0.12	30.74%	12.91%	100.00%	0.68%	0.20%	0.82%	3.34	1.65	10.28	0.08	0.03	0.09	22.81%	11.27%	70.22%	0.55%	0.20%	0.61%
		159	N/A	5	4.37	1.79	13.31	0.23	0.02	0.05	32.83%	13.45%	100.00%	1.73%	0.15%	0.38%	3.26	1.36	10	0.17	0.02	0.04	24.49%	10.22%	75.13%	1.28%	0.15%	0.30%
		160	N/A	5	3.31	1.34	12.18	0.14	0.06	0.07	27.18%	11.00%	100.00%	1.15%	0.49%	0.57%	2.45	1.15	7.6	0.1	0.06	0.06	20.11%	9.44%	62.40%	0.82%	0.49%	0.49%
		161	N/A	5	4.56	1.56	15.86	0.13	0.02	0.54	28.75%	9.84%	100.00%	0.82%	0.13%	3.40%	3.09	1.28	9.33	0.09	0.02	0.46	19.48%	7.94%	58.83%	0.57%	0.13%	2.90%
		166	N/A	5	3.53	1.74	12.52	0.07	0.02	0.17	28.19%	13.90%	100.00%	0.56%	0.16%	1.36%	2.62	1.53	8.41	0.05	0.02	0.14	20.93%	12.14%	67.17%	0.40%	0.16%	1.12%
		167	N/A	5	5.15	1.89	15.93	0.15	0.02	0.08	33.12%	12.15%	100.00%	0.96%	0.13%	0.51%	3.78	1.64	11.77	0.12	0.02	0.05	24.31%	10.55%	75.69%	0.77%	0.13%	0.32%
		168	N/A	5	5.44	1.93	15.26	0.18	0.01	0.09	35.65%	12.65%	100.00%	1.18%	0.07%	0.59%	4.02	1.6	11.32	0.14	0.01	0.08	26.34%	10.48%	74.18%	0.92%	0.07%	0.52%
		169	N/A	5	4.91	2.19	15.88	0.11	0.02	0.3	30.92%	13.79%	100.00%	0.69%	0.13%	1.89%	3.46	1.86	10.84	0.08	0.02	0.25	21.79%	11.71%	68.26%	0.50%	0.13%	1.57%
		1	129	2	2.51	0.73	9.83	0.05	0.04	0.1	25.53%	7.43%	100.00%	0.51%	0.41%	1.02%	1.57	0.59	6.51	0.04	0.04	0.09	15.97%	6.00%	66.23%	0.41%	0.41%	0.92%
		3	131	2	2.46	0.7	9.92	0.07	0.04	0.13	24.70%	7.06%	100.00%	0.71%	0.40%	1.31%	1.53	0.59	6.52	0.05	0.04	0.11	15.42%	5.95%	65.73%	0.50%	0.40%	1.11%
		5	133	2	2.46	0.77	9.86	0.06	0.04	0.1	24.95%	7.81%	100.00%	0.61%	0.41%	1.01%	1.53	0.64	6.25	0.04	0.04	0.09	15.52%	6.49%	63.39%	0.41%	0.41%	0.91%
		7	135	2	2.44	0.5	9.8	0.05	0.04	0.15	25.68%	5.26%	100.00%	0.53%	0.42%	1.58%	1.41	0.39	5.91	0.04	0.04	0.14	14.84%	4.11%	62.21%	0.42%	0.42%	1.47%
		9	137	2	1.05	0.27	4.82	0.03	0.02	0.2	21.78%	5.60%	100.00%	0.62%	0.41%	4.15%	0.66	0.21	3.02	0.02	0.02	0.14	13.69%	4.36%	62.66%	0.41%	0.41%	2.90%
		14	142	4	3.98	1.79	16.28	0.07	0.09	0.18	24.45%	11.00%	100.00%	0.43%	0.55%	1.11%	2.6	1.49	10.4	0.05	0.09	0.13	15.97%	9.15%	63.88%	0.31%	0.55%	0.80%
		15	143	4	5.49	2.13	18.67	0.17	0.02	0.12	29.41%	11.41%	100.00%	0.91%	0.11%	0.64%	3.7	1.83	12.87	0.12	0.02	0.11	19.82%	9.80%	68.93%	0.64%	0.11%	0.59%
		16	144	4	4.47	1.93	19.83	0.14	0.02	0.25	22.54%	9.73%	100.00%	0.71%	0.10%	1.26%	3.03	1.55	13.28	0.1	0.02	0.24	15.28%	7.82%	66.97%	0.50%	0.10%	1.21%
		17	145	4	3.64	0.74	9.88	0.09	0.09	0.37	36.84%	7.49%	100.00%	0.91%	0.91%	3.74%	1.96	0.58	5.66	0.06	0.09	0.33	19.74%	5.87%	57.29%	0.61%	0.91%	3.34%
		21	149	4	3.17	1.21	11.72	0.05	0.11	0.13	27.05%	10.32%	100.00%	0.43%	0.94%	1.11%	2.17	1.04	7.91	0.04	0.1	0.1	18.52%	8.87%	67.49%	0.34%	0.85%	0.85%
		22	150	4	6.2	1.86	20.82	0.11	0.04	0.08	29.78%	8.89%	100.00%	0.53%	0.19%	0.38%	4.15	1.56	15.06	0.08	0.04	0.07	19.93%	7.49%	72.33%	0.38%	0.19%	0.34%
		23	151	4	4.45	1.08	12.85	0.16	0.03	0.12	34.63%	8.40%	100.00%	1.25%	0.23%	0.93%	3.02	0.9	9.73	0.11	0.03	0.1	23.50%	7.00%	75.72%	0.86%	0.23%	0.78%
		29	157	10	16	3.48	38.8	0.21	0.54	0.63	41.24%	8.97%	100.00%	0.54%	1.39%	1.62%	9.1	2.96	22.95	0.15	0.53	0.43	23.45%	7.63%	59.15%	0.39%	1.37%	1.11%
		30	158	10	15.89	6.15	44.11	0.23	0.06	0.27	36.02%	13.94%	100.00%	0.57%	0.14%	0.61%	11.61	5.36	34.46	0.18	0.06	0.21	26.32%	12.15%	78.12%	0.41%	0.14%	0.48%
		31	159	10	11.3	4.25	34.04	0.56	0.09	0.27	33.20%	12.49%	100.00%	1.65%	0.26%	0.79%	8.2	3.78	25.03	0.42	0.09	0.25	24.09%	11.10%	73.53%	1.23%	0.26%	0.73%
		32	160	10	10.59	2.47	32.55	0.39	0.17	0.43	32.53%	7.59%	100.00%	1.20%	0.52%	1.32%	7.49	2.13	21.29	0.29	0.17	0.42	23.01%	6.54%	65.41%	0.89%	0.52%	1.29%
		33	161	10	7.88	2.69	30.54	0.38	0.1	1.15	25.80%	8.81%	100.00%	1.24%	0.33%	3.77%	5.3	2.19	17.61	0.27	0.1	1.09	18.01%	7.17%	57.66%	0.88%	0.33%	3.57%
		38	166	10	12.57	4.76	39.09	0.17	0.06	0.39	32.16%	12.18%	100.00%	0.43%	0.15%	1.00%	8.84	4.15	29	0.13	0.06	0.36	22.61%	10.62%	74.19%	0.33%	0.15%	0.92%
		39	167	10	13.03	6	39.06	0.42	0.06	0.21	33.36%	15.36%	100.00%	1.10%	0.15%	0.54%	9.62	5.34	30.36	0.33	0.06	0.12	24.63%	13.67%	77.73%	0.84%	0.15%	0.31%
		40	168	10	11.43	5.64	36.3	0.42	0.06	0.25	31.49%	15.54%	100.00%	1.16%	0.17%	0.69%	8.12	4.89	27.17	0.32	0.06	0.23	22.37%	13.47%	74.85%	0.88%	0.17%	0.63%
		41	169	10	11.09	4.07	31.74	0.25	0.09	0.62	34.94%	12.82%	100.00%	0.79%	0.28%	1.95%	7.62	3.47	22.44	0.19	0.09	0.53	24.01%	10.93%	70.70%	0.60%	0.28%	1.67%

Table 7. PD of ANT#1 – patch antenna (25GHz)

- ANT#1 Low CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
		0	N/A	1	0.5	0.37	0.03	2.24	0.19	0	22.32%	16.52%	1.34%	100.00%	8.48%	0.00%	0.33	0.29	0.02	1.45	0.11	0	14.73%	12.95%	0.89%	64.73%	4.91%	0.00%
		2	N/A	1	0.5	0.31	0.01	2.82	0.09	0.01	17.73%	10.99%	0.35%	100.00%	3.19%	0.35%	0.28	0.26	0.01	1.65	0.07	0.01	9.93%	9.22%	0.35%	58.51%	2.48%	0.35%
		4	N/A	1	0.66	0.26	0.01	3.13	0.07	0	21.09%	8.31%	0.32%	100.00%	2.24%	0.00%	0.45	0.22	0.01	2.01	0.06	0	14.38%	7.03%	0.32%	64.22%	1.92%	0.00%
		6	N/A	1	0.76	0.14	0.02	2.49	0.05	0.01	30.52%	5.62%	0.80%	100.00%	2.01%	0.40%	0.49	0.13	0.02	1.64	0.04	0.01	19.68%	5.22%	0.80%	65.86%	1.61%	0.40%
		8	N/A	1	1.1	0.17	0.02	3.2	0.06	0	34.38%	5.31%	0.63%	100.00%	1.88%	0.00%	0.69	0.14	0.01	2.03	0.04	0	21.56%	4.38%	0.31%	63.44%	1.25%	0.00%
		10	N/A	2	0.65	0.39	0.05	3.26	0.45	0.02	19.94%	11.96%	1.53%	100.00%	13.80%	0.61%	0.46	0.31	0.04	1.83	0.28	0.02	14.11%	9.51%	1.23%	56.13%	8.59%	0.61%
		11	N/A	2	1.29	0.63	0.05	6.08	0.34	0.01	20.56%	10.36%	0.82%	100.00%	5.59%	0.16%	0.87	0.56	0.04	3.89	0.21	0.01	14.31%	9.21%	0.66%	63.98%	3.45%	0.16%
		12	N/A	2	1.44	0.77	0.03	6.51	0.09	0.01	22.12%	11.83%	0.46%	100.00%	1.38%	0.15%	0.94	0.59	0.02	4.29	0.06	0.01	14.44%	9.06%	0.31%	65.90%	0.92%	0.15%
		13	N/A	2	0.92	0.54	0.03	3.38	0.28	0.02	27.22%	15.98%	0.89%	100.00%	8.28%	0.59%	0.5	0.46	0.02	1.92	0.17	0.02	14.79%	13.61%	0.59%	56.80%	5.03%	0.59%
		18	N/A	2	2.14	0.35	0.04	5.8	0.14	0	38.21%	6.25%	0.71%	100.00%	2.50%	0.00%	1.46	0.3	0.03	4.03	0.12	0	26.07%	5.36%	0.54%	71.96%	2.14%	0.00%
		19	N/A	2	2.16	0.57	0.04	6.96	0.13	0	31.08%	8.20%	0.58%	100.00%	1.87%	0.00%	1.54	0.51	0.03	5.3	0.09	0	22.16%	7.34%	0.43%	73.38%	1.29%	0.00%
		20	N/A	2	1.19	0.7	0.03	4.85	0.15	0.02	24.54%	14.43%	0.62%	100.00%	3.09%	0.41%	0.7	0.57	0.03	3.08	0.11	0.02	14.43%	11.75%	0.62%	63.51%	2.27%	0.41%
		24	N/A	1	1.16	0.92	0.09	7	0.76	0.01	16.57%	13.14%	1.29%	100.00%	10.86%	0.14%	0.82	0.73	0.06	4.33	0.68	0.01	11.71%	10.43%	0.86%	61.86%	9.71%	0.14%
		25	N/A	1	3.89	2.05	0.11	14.05	0.36	0.01	27.69%	14.59%	0.78%	100.00%	2.56%	0.07%	2.92	1.76	0.08	9.97	0.26	0.01	20.78%	12.53%	0.57%	70.96%	1.85%	0.07%
		26	N/A	1	5.52	1.96	0.09	15.87	0.23	0.02	34.78%	12.35%	0.57%	100.00%	1.45%	0.13%	4.08	1.78	0.07	11.8	0.14	0.02	25.71%	11.22%	0.44%	74.35%	0.88%	0.13%
		27	N/A	1	5.07	2.06	0.08	15.36	0.18	0.01	33.01%	13.41%	0.39%	100.00%	1.17%	0.07%	3.77	1.82	0.06	11.15	0.13	0.01	24.54%	11.85%	0.39%	72.59%	0.85%	0.07%
		28	N/A	1	4.5	0.99	0.09	11.91	0.46	0.11	37.78%	8.31%	0.42%	100.00%	3.86%	0.92%	2.78	0.82	0.04	7.01	0.28	0.11	23.34%	6.88%	0.34%	58.86%	2.35%	0.92%
		34	N/A	1	3.57	1.22	0.1	13.13	0.79	0.01	27.19%	9.29%	0.76%	100.00%	6.02%	0.08%	2.54	1	0.08	9.26	0.55	0.01	19.35%	7.62%	0.61%	70.53%	4.19%	0.08%
		35	N/A	1	5.2	2.03	0.1	16.18	0.21	0.01	32.14%	12.55%	0.62%	100.00%	1.30%	0.06%	3.78	1.82	0.07	11.84	0.14	0.01	23.36%	11.25%	0.43%	73.18%	0.87%	0.06%
		36	N/A	1	5.46	2.07	0.09	15.65	0.23	0.01	34.89%	13.23%	0.51%	100.00%	1.47%	0.06%	4.08	1.87	0.07	11.52	0.14	0.01	26.07%	11.95%	0.45%	73.61%	0.89%	0.06%
		37	N/A	1	4.72	1.41	0.06	14.48	0.23	0.03	32.60%	9.74%	0.41%	100.00%	1.59%	0.21%	3.43	1.21	0.05	10.05	0.18	0.03	23.69%	8.36%	0.35%	69.41%	1.24%	0.21%
		128	N/A	1	0.78	0.27	0.01	1.96	0.2	0	39.80%	13.78%	0.51%	100.00%	10.20%	0.00%	0.52	0.22	0.01	1.28	0.12	0	26.53%	11.22%	0.51%	65.31%	6.12%	0.00%
		130	N/A	1	0.93	0.14	0.02	2.82	0.1	0.01	32.98%	4.96%	0.71%	100.00%	3.55%	0.35%	0.61	0.11	0.01	1.89	0.08	0	21.63%	3.90%	0.35%	67.02%	2.84%	0.00%
		132	N/A	1	1.14	0.2	0.03	3.24	0.07	0	35.19%	6.17%	0.93%	100.00%	2.16%	0.00%	0.73	0.17	0.02	2.26	0.05	0	22.53%	5.25%	0.62%	69.75%	1.54%	0.00%
		134	N/A	1	0.59	0.19	0.01	2.49	0.1	0.01	23.69%	7.63%	0.40%	100.00%	4.02%	0.40%	0.37	0.15	0.01	1.6	0.09	0.01	14.86%	6.02%	0.40%	64.26%	3.61%	0.40%
		136	N/A	1	0.43	0.58	0.02	1.95	0.05	0	22.05%	29.74%	1.03%	100.00%	2.56%	0.00%	0.29	0.48	0.01	1.17	0.05	0	14.87%	24.62%	0.51%	60.00%	2.56%	0.00%
		138	N/A	2	1.1	0.8	0.03	4.26	0.21	0.01	25.82%	18.78%	0.70%	100.00%	4.93%	0.23%	0.7	0.68	0.02	2.63	0.19	0.01	16.43%	15.96%	0.47%	61.74%	4.46%	0.23%
		139	N/A	2	2.73	0.48	0.05	7.18	0.1	0	38.02%	6.69%	0.70%	100.00%	1.39%	0.00%	1.87	0.39	0.03	5.24	0.09	0	26.04%	5.43%	0.42%	72.98%	1.25%	0.00%
		140	N/A	2	0.98	0.91	0.04	4.54	0.11	0.01	21.59%	20.04%	0.88%	100.00%	2.42%	0.22%	0.68	0.77	0.03	2.89	0.08	0.01	14.98%	16.96%	0.66%	63.66%	1.76%	0.22%
		141	N/A	2	0.82	0.37	0.02	2.52	0.33	0.02	32.54%	14.68%	0.79%	100.00%	13.10%	0.79%	0.57	0.3	0.02	1.57	0.21	0.02	22.62%	11.90%	0.79%	62.30%	8.33%	0.79%
		146	N/A	2	2.63	0.41	0.04	6.6	0.38	0	39.85%	6.21%	0.61%	100.00%	5.76%	0.00%	1.82	0.35	0.03	4.58	0.23	0	27.58%	5.30%	0.45%	69.39%	3.48%	0.00%
1	Patch	**147**	N/A	2	2.75	0.43	0.05	6.9	0.18	0	39.86%	6.23%	0.72%	100.00%	2.61%	0.00%	1.89	0.38	0.03	5.01	0.14	0	27.39%	5.51%	0.43%	72.61%	2.03%	0.00%
		148	N/A	2	1.56	0.36	0.03	4.93	0.09	0.01	31.64%	7.30%	0.61%	100.00%	1.83%	0.20%	1.09	0.27	0.02	3.62	0.07	0.01	22.11%	5.48%	0.41%	73.43%	1.42%	0.20%
		152	N/A	1	5.41	1.27	0.08	12.62	1.14	0.01	42.87%	10.06%	0.63%	100.00%	9.03%	0.08%	3.65	1.01	0.07	8.06	0.57	0.01	28.92%	8.00%	0.55%	63.87%	7.69%	0.08%
		153	N/A	1	5.72	1.65	0.08	14.45	0.38	0.03	39.48%	11.39%	0.55%	100.00%	2.62%	0.21%	4.38	1.39	0.06	10.8	0.23	0.03	30.23%	9.59%	0.41%	74.53%	1.59%	0.21%
		154	N/A	1	4.87	1.48	0.13	14.22	0.21	0.02	34.25%	10.41%	0.91%	100.00%	1.48%	0.14%	3.5	1.2	0.09	10.35	0.15	0.02	24.61%	8.44%	0.63%	72.78%	1.05%	0.14%
		155	N/A	1	4.83	1.34	0.14	14.28	0.21	0.01	33.82%	9.38%	0.98%	100.00%	1.47%	0.07%	3.56	1.07	0.09	10.5	0.17	0.01	24.93%	7.49%	0.63%	73.53%	1.19%	0.07%
		156	N/A	1	1.6	1.44	0.08	7.07	0.47	0.06	22.63%	20.37%	1.13%	100.00%	6.65%	0.85%	1.05	1.21	0.05	4.15	0.29	0.06	14.85%	17.11%	0.71%	59.26%	4.10%	0.85%
		162	N/A	1	5.33	1.74	0.1	13.86	0.76	0.01	38.46%	12.55%	0.72%	100.00%	5.48%	0.07%	3.88	1.45	0.08	9.86	0.59	0.01	27.99%	10.46%	0.58%	71.14%	4.26%	0.07%
		163	N/A	1	5.48	1.86	0.11	14.95	0.27	0.02	36.66%	12.44%	0.74%	100.00%	1.81%	0.13%	4.08	1.58	0.08	11	0.18	0.02	27.29%	10.57%	0.54%	73.58%	1.20%	0.13%
		164	N/A	1	4.74	1.33	0.14	14.74	0.29	0.02	32.16%	9.02%	0.95%	100.00%	2.65%	0.14%	3.42	1.04	0.11	10.79	0.22	0.01	23.20%	7.06%	0.75%	73.20%	1.49%	0.07%
		165	N/A	1	4.21	1.13	0.11	10.77	0.25	0.02	39.09%	10.49%	1.02%	100.00%	2.32%	0.19%	3.09	0.97	0.07	7.79	0.21	0.02	28.69%	9.01%	0.65%	72.33%	1.95%	0.19%
		0	**128**	2	1.77	1.13	0.06	5.5	0.7	0.02	32.18%	20.55%	1.09%	100.00%	12.73%	0.36%	1.18	0.88	0.05	3.51	0.41	0.02	21.45%	16.00%	0.91%	63.82%	7.45%	0.36%
		2	**130**	2	1.83	0.51	0.03	7.89	0.31	0.03	23.19%	6.46%	0.38%	100.00%	3.93%	0.38%	1.1	0.44	0.02	4.77	0.26	0.02	13.94%	5.58%	0.25%	60.46%	3.30%	0.25%
		4	**132**	2	2.42	0.64	0.04	8.62	0.21	0.01	28.07%	7.42%	0.46%	100.00%	2.44%	0.12%	1.55	0.53	0.03	5.7	0.19	0.01	17.98%	6.15%	0.35%	66.13%	2.20%	0.12%
		6	**134**	2	1.77	0.39	0.04	6.68	0.26	0.02	26.50%	5.65%	0.60%	100.00%	3.89%	0.30%	1.15	0.31	0.03	4.26	0.24	0.02	17.22%	4.64%	0.45%	63.77%	3.59%	0.30%
		8	**136**	2	1.97	1.05	0.04	6.82	0.15	0.01	28.89%	15.40%	0.59%	100.00%	2.20%	0.15%	1.25	0.84	0.03	4.07	0.13	0.01	18.33%	12.32%	0.44%	59.68%	1.91%	0.15%
		10	**138**	4	1.74	1.32	0.1	6.8	0.61	0.04	25.59%	19.41%	1.47%	100.00%	8.97%	0.59%	1.16	1.14	0.08	4.05	0.56	0.04	17.06%	16.76%	1.18%	59.56%	8.24%	0.59%
		11	**139**	4	4.11	1.41	0.1	15.12	0.57	0.02	27.18%	9.33%	0.66%	100.00%	3.77%	0.13%	2.82	1.2	0.08	10.15	0.37	0.02	18.65%	7.94%	0.53%	67.13%	2.45%	0.13%
		12	**140**	4	2.14	1.82	0.1	9.46	0.3	0.03	22.62%	19.24%	1.06%	100.00%	3.17%	0.32%	1.39	1.54	0.07	6.25	0.21	0.03	14.69%	16.28%	0.74%	66.07%	2.22%	0.32%
		13	**141**	4	2.96	1.8	0.09	9.43	1.07	0.07	31.42%	16.99%	0.96%	100.00%	11.36%	0.74%	1.81	1.33	0.09	5.73	0.64	0.07	19.21%	14.33%	0.96%	60.83%	6.79%	0.74%
		18	**146**	4	4.51	1.92	0.13	10.56	0.67	0.01	41.22%	9.32%	1.19%	100.00%	6.12%	0.09%	3.23	0.87	0.09	7.62	0.53	0.01	29.52%	7.95%	0.82%	69.65%	4.84%	0.09%
		19	**147**	4	5.26	1.28	0.12	13.77	0.43	0.01	38.20%	9.30%	0.87%	100.00%	3.12%	0.07%	3.77	1.08	0.08	10.15	0.35	0.01	27.38%	7.84%	0.58%	73.71%	2.54%	0.07%
		20	**148**	4	3.61	1.18	0.06	11.79	0.35	0.03	30.62%	10.01%	0.51%	100.00%	2.97%	0.25%	2.34	0.93	0.05	7.98	0.25	0.03	19.85%	7.89%	0.42%	67.68%	2.12%	0.25%
		24	**152**	10	10.21	3.45	0.26	33.88	3.35	0.04	30.14%	10.18%	0.77%	100.00%	9.89%	0.12%	6.94	2.81	0.19	22	2.54	0.04	20.48%	8.29%	0.56%	64.94%	8.68%	0.12%
		25	**153**	10	10.58	4.89	0.19	35.73	1.13	0.07	29.61%	13.69%	0.53%	100.00%	3.16%	0.20%	7.98	4.05	0.16	25.7	0.75	0.07	22.25%	11.34%	0.45%	71.93%	2.10%	0.20%
		26	**154**	10	12.68	4.13	0.32	33.85	0.8	0.05	37.46%	12.20%	0.95%	100.00%	2.36%	0.15%	9.24	3.79	0.23	25.25	0.5	0.05	27.30%	11.20%	0.65%	74.59%	1.48%	0.15%
		27	**155**	10	14.26	3.78	0.24	38.46	0.52	0.03	37.08%	9.83%	0.62%	100.00%	1.35%	0.08%	10.34	3.16	0.18	28.94	0.41	0.03	26.89%	8.22%	0.47%	75.25%	1.07%	0.08%
		28	**156**	10	9.33	3.05	0.16	27.86	1.62	0.28	33.49%	10.95%	0.57%	100.00%	5.81%	1.01%	5.94	2.69	0.12	16.6	0.97	0.27	21.32%	9.66%	0.43%	59.58%	3.48%	0.97%
		34	**162**	10	9.89	3.67	0.25	32.68	1.58	0.02	30.26%	11.23%	0.76%	100.00%	4.83%	0.06%	7.02	3.1	0.19	22.79	1.27	0.02	21.48%	9.49%	0.58%	69.74%	3.89%	0.06%
		35	**163**	10	12.6	4.72	0.29	34.69	0.81	0.05	36.32%	13.61%	0.84%	100.00%	2.33%	0.14%	9.32	4.15	0.2	25.61	0.49	0.05	26.87%	11.96%	0.58%	73.83%	1.41%	0.14%
		36	**164**	10	13.05	3.79	0.31	36	1.03	0.05	36.25%	10.53%	0.86%	100.00%	2.86%	0.14%	9.42	3.48	0.21	27.27	0.63	0.04	26.17%	9.67%	0.58%	75.75%	1.72%	0.11%
		37	**165**	10	14.43	3.17	0.23	36.12	0.81	0.07	39.95%	8.78%	0.64%	100.00%	2.24%	0.19%	10.38	2.75	0.16	25.98	0.66	0.07	28.68%	7.61%	0.44%	71.93%	1.83%	0.19%

- ANT#1 Mid CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
		0	N/A	1	0.61	0.34	0.03	2.67	0.19	0	22.85%	12.73%	1.12%	100.00%	7.12%	0.00%	0.39	0.26	0.02	1.78	0.11	0	14.61%	9.74%	0.75%	66.67%	4.12%	0.00%
		2	N/A	1	0.64	0.31	0.01	3.12	0.09	0.01	20.51%	9.94%	0.32%	100.00%	2.88%	0.32%	0.35	0.27	0.01	1.89	0.08	0.01	11.22%	8.65%	0.32%	60.26%	2.56%	0.32%
		4	N/A	1	0.78	0.26	0.01	3.53	0.08	0.01	22.10%	7.37%	0.28%	100.00%	2.27%	0.28%	0.51	0.21	0.01	2.25	0.07	0.01	14.45%	5.95%	0.28%	63.74%	1.98%	0.28%
		6	N/A	1	0.91	0.15	0.02	2.98	0.06	0.01	30.54%	5.03%	0.67%	100.00%	2.01%	0.34%	0.58	0.12	0.01	1.95	0.04	0.01	19.80%	4.03%	0.34%	65.44%	1.34%	0.34%
		8	N/A	1	1.25	0.17	0.02	3.41	0.07	0	36.66%	4.99%	0.59%	100.00%	2.05%	0.00%	0.78	0.14	0.01	2.26	0.06	0	22.87%	4.11%	0.29%	66.28%	1.76%	0.00%
		10	N/A	2	0.76	0.33	0.04	3.72	0.43	0.02	20.43%	8.87%	1.08%	100.00%	11.56%	0.54%	0.55	0.25	0.03	2.23	0.27	0.02	14.78%	6.72%	0.81%	59.95%	7.26%	0.54%
		11	N/A	2	1.49	0.72	0.05	6.76	0.3	0.01	21.48%	10.81%	0.74%	100.00%	4.44%	0.15%	1	0.61	0.04	4.48	0.2	0.01	14.81%	9.93%	0.59%	66.37%	2.96%	0.15%
		12	N/A	2	1.83	0.77	0.03	7.41	0.1	0.02	24.70%	10.39%	0.40%	100.00%	1.35%	0.27%	1.2	0.65	0.03	4.95	0.07	0.02	16.19%	8.77%	0.40%	66.80%	0.94%	0.27%
		13	N/A	2	1.22	0.45	0.02	4.04	0.29	0.03	30.20%	11.14%	0.50%	100.00%	7.18%	0.74%	0.68	0.37	0.02	2.43	0.18	0.03	17.08%	9.16%	0.50%	60.15%	4.46%	0.74%
		18	N/A	2	2.54	0.34	0.04	6.4	0.15	0	39.69%	5.31%	0.63%	100.00%	2.34%	0.00%	1.75	0.29	0.03	4.64	0.13	0	27.34%	4.53%	0.47%	72.50%	2.03%	0.00%
		19	N/A	2	2.5	0.55	0.03	7.82	0.1	0.01	31.97%	7.03%	0.38%	100.00%	1.28%	0.13%	1.76	0.48	0.02	5.76	0.07	0.01	22.51%	6.14%	0.26%	73.66%	0.90%	0.13%
		20	N/A	2	1.62	0.61	0.03	5.7	0.17	0.03	28.42%	10.70%	0.53%	100.00%	2.98%	0.53%	0.98	0.49	0.02	3.72	0.1	0.03	17.19%	8.60%	0.35%	65.26%	1.75%	0.53%
		24	N/A	5	1.32	0.8	0.08	6.82	0.75	0.01	19.35%	11.73%	1.17%	100.00%	11.00%	0.15%	0.88	0.63	0.05	4.2	0.68	0.01	12.90%	9.24%	0.73%	61.58%	9.68%	0.15%
		25	N/A	5	4.55	2.17	0.09	15.54	0.32	0.01	29.28%	13.96%	0.58%	100.00%	2.06%	0.06%	3.4	1.9	0.07	11.23	0.26	0.01	21.88%	12.23%	0.45%	72.27%	1.67%	0.06%
		26	N/A	5	6.77	1.97	0.11	18.71	0.18	0.01	36.18%	10.53%	0.59%	100.00%	0.96%	0.05%	5.01	1.77	0.08	14.21	0.12	0.01	26.78%	9.46%	0.43%	75.95%	0.64%	0.05%
		27	N/A	5	6.06	1.99	0.07	17.08	0.18	0.01	35.48%	11.65%	0.41%	100.00%	1.05%	0.06%	4.5	1.77	0.06	12.52	0.13	0.01	26.35%	10.36%	0.35%	73.30%	0.76%	0.06%
		28	N/A	5	5.07	0.92	0.05	14.08	0.45	0.13	36.01%	6.53%	0.36%	100.00%	3.20%	0.92%	3.19	0.79	0.04	8.22	0.26	0.13	22.66%	5.61%	0.28%	58.38%	1.85%	0.92%
		34	N/A	5	4.17	1.52	0.11	15.34	0.65	0.01	27.18%	9.91%	0.72%	100.00%	4.24%	0.07%	2.57	1.26	0.08	10.81	0.48	0.01	19.36%	8.21%	0.52%	70.47%	3.13%	0.07%
		35	N/A	5	6.36	2.04	0.1	18.58	0.19	0.01	34.21%	10.97%	0.54%	100.00%	1.02%	0.05%	4.63	1.83	0.07	14.01	0.13	0.01	24.91%	9.84%	0.38%	75.36%	0.70%	0.05%
		36	N/A	5	6.59	2.06	0.1	18.02	0.18	0.01	36.57%	11.43%	0.55%	100.00%	1.00%	0.06%	4.95	1.81	0.07	13.46	0.14	0.01	27.47%	10.04%	0.39%	74.69%	0.78%	0.06%
		37	N/A	5	5.41	1.47	0.06	16.67	0.18	0.03	32.45%	8.82%	0.36%	100.00%	1.08%	0.18%	3.89	1.27	0.05	11.64	0.15	0.03	23.34%	7.62%	0.30%	69.83%	0.90%	0.18%
		128	N/A	1	0.9	0.19	0.01	2.26	0.17	0	39.82%	8.41%	0.44%	100.00%	7.52%	0.00%	0.61	0.16	0.01	1.53	0.09	0	26.99%	7.08%	0.44%	67.70%	3.98%	0.00%
		130	N/A	1	0.97	0.13	0.01	2.56	0.1	0.01	37.77%	4.35%	0.34%	100.00%	3.38%	0.34%	0.62	0.11	0.01	1.54	0.08	0.01	20.95%	3.72%	0.34%	65.54%	2.70%	0.34%
		132	N/A	1	1.22	0.22	0.03	3.46	0.07	0	35.26%	6.36%	0.87%	100.00%	2.02%	0.00%	0.77	0.19	0.02	2.41	0.06	0	22.25%	5.49%	0.58%	69.65%	1.73%	0.00%
		134	N/A	1	0.67	0.22	0.03	2.98	0.1	0.01	22.48%	7.72%	0.34%	100.00%	3.36%	0.34%	0.42	0.19	0.01	1.89	0.1	0.01	14.09%	6.38%	0.34%	63.42%	3.36%	0.34%
		136	N/A	1	0.49	0.62	0.02	2.01	0.06	0	24.14%	30.54%	0.99%	100.00%	2.96%	0.00%	0.32	0.51	0.01	1.29	0.05	0	15.76%	25.12%	0.49%	63.55%	2.46%	0.00%
		138	N/A	2	1.16	0.82	0.03	4.54	0.24	0.01	25.55%	18.06%	0.66%	100.00%	5.29%	0.22%	0.71	0.68	0.03	2.75	0.22	0.01	15.64%	14.98%	0.66%	60.57%	4.85%	0.22%
		139	N/A	2	2.82	0.5	0.05	7.47	0.11	0	37.75%	6.69%	0.67%	100.00%	1.47%	0.00%	1.56	0.43	0.03	5.53	0.1	0	25.97%	5.62%	0.40%	73.90%	1.34%	0.00%
		140	N/A	2	1.28	1.05	0.05	5.44	0.11	0.01	23.53%	19.30%	0.92%	100.00%	2.02%	0.18%	0.88	0.87	0.03	3.68	0.07	0.01	16.18%	15.99%	0.55%	67.65%	1.29%	0.18%
		141	N/A	2	0.87	0.36	0.02	2.65	0.27	0.02	32.83%	13.58%	0.75%	100.00%	10.19%	0.75%	0.6	0.28	0.02	1.57	0.16	0.02	22.64%	10.57%	0.75%	59.25%	6.04%	0.75%
		146	N/A	2	2.96	0.42	0.04	7.32	0.33	0.01	40.44%	5.74%	0.55%	100.00%	4.51%	0.14%	2.06	0.34	0.03	5.19	0.24	0	28.14%	4.64%	0.41%	70.90%	3.28%	0.00%
1	Patch	147	N/A	2	2.96	0.38	0.04	7.35	0.19	0	40.27%	5.17%	0.54%	100.00%	2.59%	0.00%	2.06	0.33	0.03	5.44	0.16	0	28.03%	4.49%	0.41%	74.01%	2.18%	0.00%
		148	N/A	2	1.72	0.46	0.03	5.66	0.1	0.01	30.39%	8.13%	0.53%	100.00%	1.77%	0.18%	1.21	0.33	0.02	4.19	0.07	0.01	21.38%	6.18%	0.35%	74.03%	1.24%	0.18%
		152	N/A	5	6.05	1.36	0.09	13.93	1.25	0.01	43.43%	9.76%	0.65%	100.00%	8.97%	0.07%	4.05	1.08	0.08	8.92	1.13	0.01	29.07%	7.75%	0.57%	63.32%	8.11%	0.07%
		153	N/A	5	6.5	1.78	0.07	16.24	0.29	0.03	40.02%	10.96%	0.43%	100.00%	1.79%	0.18%	4.97	1.46	0.06	12.13	0.19	0.03	30.60%	8.99%	0.37%	74.69%	1.17%	0.18%
		154	N/A	5	5.75	1.51	0.12	15.8	0.2	0.02	36.39%	9.56%	0.76%	100.00%	1.27%	0.13%	4.21	1.24	0.08	11.83	0.17	0.02	26.65%	7.85%	0.51%	74.87%	1.08%	0.13%
		155	N/A	5	5.36	1.62	0.16	16.14	0.15	0.01	33.21%	10.04%	0.99%	100.00%	0.93%	0.06%	3.88	1.25	0.11	12.04	0.12	0.01	24.04%	7.74%	0.68%	74.60%	0.74%	0.06%
		156	N/A	5	1.54	1.64	0.07	7.32	0.43	0.06	21.04%	22.40%	0.96%	100.00%	5.87%	0.82%	1.01	1.4	0.05	4.35	0.27	0.06	13.80%	19.13%	0.68%	59.43%	3.69%	0.82%
		162	N/A	5	6.05	1.73	0.09	15.78	0.89	0	38.34%	10.96%	0.57%	100.00%	5.64%	0.00%	4.41	1.41	0.07	11.11	0.73	0	27.95%	8.94%	0.44%	70.41%	4.63%	0.00%
		163	N/A	5	6.36	1.88	0.1	16.34	0.22	0.02	38.92%	11.51%	0.61%	100.00%	1.35%	0.12%	4.77	1.58	0.07	12.17	0.16	0.02	29.19%	9.67%	0.43%	74.48%	0.98%	0.12%
		164	N/A	5	5.55	1.8	0.13	16.82	0.31	0.01	33.00%	9.51%	0.77%	100.00%	1.84%	0.06%	4.03	1.22	0.1	12.57	0.18	0.01	23.96%	7.25%	0.59%	74.73%	1.07%	0.06%
		165	N/A	5	4.18	1.16	0.1	11.56	0.2	0.02	36.16%	10.03%	0.87%	100.00%	1.73%	0.17%	3.08	0.99	0.07	8.4	0.13	0.02	26.64%	8.56%	0.61%	72.66%	1.12%	0.17%
		0	128	2	2.12	0.9	0.06	6.45	0.66	0.01	32.87%	13.95%	0.93%	100.00%	10.23%	0.16%	1.4	0.7	0.05	4.2	0.37	0.01	21.71%	10.85%	0.78%	65.12%	5.74%	0.16%
		2	130	2	2.07	0.59	0.03	8.71	0.21	0.02	23.77%	6.77%	0.34%	100.00%	3.56%	0.34%	1.23	0.51	0.02	5.39	0.27	0.03	14.12%	5.86%	0.23%	60.62%	3.10%	0.34%
		4	132	2	2.54	0.68	0.04	9.02	0.24	0.01	28.16%	7.54%	0.44%	100.00%	2.66%	0.11%	1.64	0.57	0.03	5.88	0.23	0.01	18.18%	6.32%	0.33%	65.19%	2.55%	0.11%
		6	134	2	1.91	0.4	0.03	7.5	0.26	0.02	25.47%	5.33%	0.40%	100.00%	3.47%	0.27%	1.23	0.33	0.03	4.75	0.24	0.02	16.40%	4.40%	0.40%	63.33%	3.20%	0.27%
		8	136	2	2.15	1.06	0.04	7.21	0.16	0.01	29.82%	14.70%	0.55%	100.00%	2.22%	0.14%	1.35	0.87	0.03	4.3	0.15	0.01	18.72%	12.07%	0.42%	62.41%	2.08%	0.14%
		10	138	4	2.11	1.26	0.11	7.52	0.7	0.03	28.06%	16.76%	1.46%	100.00%	9.31%	0.40%	1.43	1.07	0.08	4.79	0.63	0.03	19.02%	14.23%	1.06%	63.16%	8.38%	0.40%
		11	139	4	4.48	1.62	0.1	16.49	0.52	0.02	27.17%	9.88%	0.61%	100.00%	3.15%	0.12%	3.11	1.43	0.08	11.19	0.36	0.02	18.86%	8.67%	0.49%	67.80%	2.18%	0.12%
		12	140	4	2.77	1.92	0.09	11.41	0.3	0.05	24.28%	16.83%	0.79%	100.00%	2.63%	0.44%	1.89	1.59	0.06	7.71	0.23	0.04	16.56%	13.94%	0.53%	67.57%	2.02%	0.35%
		13	141	4	3.65	1.22	0.08	10.97	1.01	0.08	33.27%	11.21%	0.73%	100.00%	9.21%	0.73%	2.23	0.98	0.08	6.64	0.57	0.07	20.33%	8.93%	0.73%	60.53%	5.20%	0.64%
		18	146	4	4.89	0.87	0.12	12.68	0.65	0.01	38.53%	6.86%	0.95%	100.00%	5.12%	0.08%	3.45	0.73	0.09	8.97	0.53	0.01	27.19%	5.75%	0.71%	70.69%	4.18%	0.08%
		19	147	4	5.74	1.14	0.12	15.02	0.43	0.01	38.22%	7.59%	0.80%	100.00%	2.86%	0.07%	4.07	0.97	0.07	11.07	0.36	0.01	27.10%	6.46%	0.47%	73.70%	2.40%	0.07%
		20	148	4	4.22	1.12	0.05	13.83	0.36	0.04	30.51%	8.10%	0.36%	100.00%	2.60%	0.29%	2.83	0.9	0.05	9.48	0.24	0.04	20.46%	6.51%	0.36%	68.55%	1.74%	0.29%
		24	152	10	10.31	3.25	0.23	34.43	3.29	0.04	29.94%	9.44%	0.67%	100.00%	9.56%	0.12%	7.01	2.67	0.17	22.34	2.54	0.03	20.36%	7.75%	0.49%	64.89%	8.54%	0.09%
		25	153	10	12.76	5.52	0.21	40.13	0.91	0.05	31.78%	13.75%	0.52%	100.00%	2.27%	0.12%	9.71	4.72	0.16	28.95	0.72	0.05	24.18%	11.76%	0.40%	72.10%	1.79%	0.12%
		26	154	10	14.86	3.93	0.35	38.24	0.66	0.05	38.86%	10.28%	0.92%	100.00%	1.73%	0.13%	11.06	3.55	0.23	28.85	0.52	0.05	28.92%	9.28%	0.60%	75.44%	1.36%	0.13%
		27	155	10	16.42	3.94	0.25	42.33	0.41	0.03	38.79%	9.31%	0.59%	100.00%	0.97%	0.07%	11.9	3.1	0.18	32.03	0.29	0.03	28.11%	7.32%	0.43%	75.67%	0.69%	0.07%
		28	156	10	10.14	3.16	0.14	30.6	1.59	0.32	33.14%	10.33%	0.46%	100.00%	5.20%	1.05%	6.3	2.74	0.12	18.25	0.98	0.31	20.59%	8.95%	0.39%	59.77%	3.14%	1.01%
		34	162	10	11.82	3.96	0.29	37.48	1.95	0.02	31.54%	10.57%	0.77%	100.00%	5.20%	0.05%	8.16	3.27	0.22	26.19	1.6	0.02	21.77%	8.72%	0.59%	69.85%	4.27%	0.05%
		35	163	10	14.86	4.83	0.31	38.37	0.67	0.05	38.73%	12.59%	0.81%	100.00%	1.75%	0.13%	11.16	4.26	0.2	28.58	0.45	0.05	29.09%	11.10%	0.52%	74.49%	1.17%	0.13%
		36	164	10	15.44	3.94	0.31	40.73	0.78	0.05	37.91%	9.67%	0.76%	100.00%	1.92%	0.12%	11.32	3.11	0.21	31.04	0.47	0.05	27.79%	7.64%	0.52%	76.21%	1.15%	0.12%
		37	165	10	15.53	3.01	0.22	39.02	0.6	0.07	39.80%	7.71%	0.56%	100.00%	1.54%	0.18%	11.13	2.53	0.17	28.12	0.42	0.06	28.47%	6.48%	0.44%	72.07%	1.08%	0.15%

- ANT#1 High CH

Module	Type	Meam ID_1	Beam ID_2	Feed no.	4m2 PD [W/m2] at 2mm distance @ 6dBm						Ratio						4m2 PD [W/m2] at 5mm distance @ 6dBm						Ratio					
					Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface)	Rear/ (Worst surface)	Left/ (Worst surface)	Right/ (Worst surface)	Top/ (Worst surface)	Bottom/ (Worst surface)	Front(S1)	Rear(S2)	Left(S3)	Right(S4)	Top(S5)	Bottom(S6)	Front/ (Worst surface at 2mm)	Rear/ (Worst surface at 2mm)	Left/ (Worst surface at 2m)	Right/ (Worst surface at 2mm)	Top/ (Worst surface at 2mm)	Bottom/ (Worst surface at 2mm)
1	Patch	0	N/A	1	0.62	0.32	0.02	2.97	0.19	0.01	20.88%	10.77%	0.67%	100.00%	6.40%	0.34%	0.4	0.24	0.02	2.02	0.11	0.01	13.47%	8.08%	0.67%	68.01%	3.70%	0.34%
		2	N/A	1	0.76	0.29	0.01	3.37	0.1	0.01	22.55%	8.61%	0.30%	100.00%	2.97%	0.30%	0.43	0.27	0.01	2.11	0.09	0.01	12.76%	8.01%	0.30%	62.61%	2.67%	0.30%
		4	N/A	1	0.84	0.26	0.01	3.82	0.08	0.01	21.99%	6.81%	0.26%	100.00%	2.09%	0.26%	0.54	0.22	0.01	2.45	0.07	0.01	14.14%	5.76%	0.26%	64.14%	1.83%	0.26%
		6	N/A	1	0.98	0.19	0.01	3.43	0.06	0.01	28.57%	5.54%	0.29%	100.00%	1.75%	0.29%	0.62	0.16	0.01	2.27	0.05	0.01	18.08%	4.66%	0.29%	66.18%	1.46%	0.29%
		8	N/A	1	1.38	0.15	0.02	3.78	0.07	0	36.51%	3.97%	0.53%	100.00%	1.85%	0.00%	0.88	0.12	0.01	2.59	0.06	0	23.28%	3.17%	0.26%	68.52%	1.59%	0.00%
		10	N/A	2	0.83	0.31	0.04	4.24	0.44	0.02	19.58%	7.31%	0.94%	100.00%	10.38%	0.47%	0.59	0.3	0.03	2.63	0.28	0.02	13.92%	7.08%	0.71%	62.03%	6.60%	0.47%
		11	N/A	2	1.54	0.76	0.09	7.16	0.3	0.01	21.51%	10.61%	0.70%	100.00%	4.19%	0.14%	1.06	0.7	0.04	4.91	0.25	0.01	14.80%	9.78%	0.56%	68.58%	3.49%	0.14%
		12	N/A	2	2.06	0.76	0.03	8.03	0.11	0.02	25.65%	9.22%	0.37%	100.00%	1.37%	0.25%	1.36	0.64	0.03	5.48	0.07	0.02	16.94%	7.97%	0.37%	68.24%	0.87%	0.25%
		13	N/A	2	1.48	0.44	0.03	4.72	0.32	0.03	31.36%	9.32%	0.64%	100.00%	6.78%	0.64%	0.88	0.36	0.02	2.84	0.2	0.03	18.01%	7.63%	0.42%	60.17%	4.24%	0.64%
		18	N/A	2	2.65	0.37	0.04	6.89	0.14	0	38.46%	5.37%	0.58%	100.00%	2.03%	0.00%	1.83	0.31	0.03	5.01	0.12	0	26.56%	4.50%	0.44%	72.71%	1.74%	0.00%
		19	N/A	2	2.59	0.65	0.02	8.53	0.08	0.01	30.36%	7.62%	0.23%	100.00%	0.94%	0.12%	1.81	0.5	0.02	6.33	0.06	0.01	21.22%	5.86%	0.23%	74.09%	0.70%	0.12%
		20	N/A	2	1.94	0.59	0.03	6.42	0.19	0.03	30.22%	9.19%	0.47%	100.00%	2.96%	0.47%	1.2	0.48	0.02	4.22	0.11	0.02	18.69%	7.48%	0.31%	65.73%	1.71%	0.47%
		24	N/A	5	1.46	0.71	0.06	6.98	0.76	0.02	20.92%	10.17%	0.86%	100.00%	10.89%	0.29%	0.96	0.57	0.04	4.2	0.7	0.02	13.75%	8.17%	0.57%	60.17%	10.03%	0.29%
		25	N/A	5	5.09	2.3	0.08	17	0.33	0.01	29.94%	13.53%	0.47%	100.00%	1.94%	0.06%	3.77	1.99	0.06	12.51	0.23	0.01	22.18%	11.71%	0.35%	73.59%	1.35%	0.06%
		26	N/A	5	7.3	2.31	0.09	20.85	0.15	0.01	35.01%	11.08%	0.43%	100.00%	0.72%	0.05%	5.45	1.78	0.07	16.22	0.11	0.01	26.14%	8.54%	0.34%	77.79%	0.53%	0.05%
		27	N/A	5	6.85	2.1	0.06	19.23	0.17	0.01	35.62%	10.92%	0.31%	100.00%	0.88%	0.05%	5.13	1.84	0.06	14.26	0.11	0.01	26.68%	9.57%	0.31%	74.15%	0.57%	0.05%
		28	N/A	5	5.69	0.81	0.08	15.99	0.4	0.13	35.58%	5.07%	0.50%	100.00%	2.50%	0.81%	3.41	0.69	0.05	9.2	0.25	0.13	21.33%	4.32%	0.31%	57.54%	1.56%	0.81%
		34	N/A	5	4.6	1.65	0.1	16.81	0.82	0.01	27.36%	9.82%	0.59%	100.00%	4.88%	0.06%	3.3	1.39	0.08	12.04	0.62	0.01	19.63%	8.27%	0.48%	71.62%	3.69%	0.06%
		35	N/A	5	6.81	2.2	0.1	20.22	0.18	0.01	33.68%	10.88%	0.49%	100.00%	0.89%	0.05%	5	1.77	0.07	15.52	0.17	0.01	24.73%	8.75%	0.35%	76.76%	0.84%	0.05%
		36	N/A	5	7.2	2.19	0.09	20.23	0.14	0.01	35.59%	10.83%	0.44%	100.00%	0.69%	0.05%	5.46	1.84	0.07	15.52	0.13	0.01	26.99%	9.10%	0.35%	76.72%	0.64%	0.05%
		37	N/A	5	6.01	1.61	0.09	18.68	0.19	0.03	32.17%	8.62%	0.27%	100.00%	1.02%	0.16%	4.33	1.37	0.04	13.17	0.17	0.03	23.18%	7.33%	0.21%	70.50%	0.91%	0.16%
		128	N/A	1	0.97	0.17	0.01	2.53	0.15	0	38.34%	6.72%	0.40%	100.00%	5.93%	0.00%	0.65	0.15	0.01	1.77	0.07	0	25.69%	5.93%	0.40%	69.96%	2.77%	0.00%
		130	N/A	1	0.93	0.13	0.01	2.92	0.1	0	31.85%	4.45%	0.34%	100.00%	3.42%	0.00%	0.58	0.11	0.01	1.89	0.09	0	19.86%	3.77%	0.34%	64.38%	3.08%	0.00%
		132	N/A	1	1.25	0.23	0.02	3.58	0.07	0	34.92%	6.42%	0.56%	100.00%	1.96%	0.00%	0.78	0.2	0.01	2.48	0.06	0	21.79%	5.59%	0.28%	69.27%	1.68%	0.00%
		134	N/A	1	0.69	0.29	0.03	3.34	0.11	0.01	20.66%	8.68%	0.30%	100.00%	3.29%	0.30%	0.43	0.25	0.01	2.14	0.1	0.01	12.87%	7.49%	0.30%	64.07%	2.99%	0.30%
		136	N/A	1	0.6	0.53	0.02	2.54	0.06	0	23.62%	20.87%	0.79%	100.00%	2.36%	0.00%	0.38	0.42	0.01	1.76	0.05	0	14.96%	16.54%	0.39%	69.29%	1.97%	0.00%
		138	N/A	2	1.32	0.84	0.03	5.13	0.28	0.01	25.73%	16.37%	0.58%	100.00%	5.46%	0.19%	0.78	0.68	0.03	3.04	0.26	0.01	15.20%	13.26%	0.58%	59.26%	5.07%	0.19%
		139	N/A	2	2.69	0.52	0.03	7.38	0.12	0	36.45%	7.05%	0.41%	100.00%	1.63%	0.00%	1.84	0.44	0.02	5.48	0.1	0	24.93%	5.96%	0.27%	73.98%	1.36%	0.00%
		140	N/A	2	1.57	0.96	0.04	6.55	0.09	0.01	23.97%	14.66%	0.61%	100.00%	1.37%	0.15%	1.09	0.79	0.03	4.7	0.06	0.01	16.64%	12.06%	0.46%	71.76%	0.92%	0.15%
		141	N/A	2	0.89	0.35	0.02	2.79	0.25	0.01	31.90%	12.54%	0.72%	100.00%	8.96%	0.36%	0.6	0.28	0.02	1.58	0.14	0.01	21.51%	10.04%	0.72%	56.63%	5.02%	0.36%
		146	N/A	2	2.96	0.42	0.03	7.6	0.29	0	38.95%	5.53%	0.39%	100.00%	3.82%	0.00%	2.05	0.34	0.02	5.42	0.23	0	26.97%	4.47%	0.26%	71.32%	3.03%	0.00%
		147	N/A	2	2.9	0.42	0.04	7.42	0.18	0	39.08%	5.66%	0.54%	100.00%	2.43%	0.00%	2.03	0.33	0.02	5.57	0.15	0	27.36%	4.45%	0.27%	75.07%	2.02%	0.00%
		148	N/A	2	1.88	0.51	0.03	6.27	0.09	0.01	29.67%	8.13%	0.48%	100.00%	1.44%	0.16%	1.28	0.4	0.02	4.58	0.07	0.01	20.57%	6.38%	0.32%	73.05%	1.12%	0.16%
		152	N/A	5	6.02	1.42	0.08	14.4	1.35	0.01	41.81%	9.86%	0.56%	100.00%	9.38%	0.07%	3.99	1.1	0.07	9.15	1.23	0.01	27.71%	7.64%	0.49%	63.54%	8.54%	0.07%
		153	N/A	5	6.74	2.25	0.06	17.64	0.28	0.02	38.21%	12.76%	0.34%	100.00%	1.59%	0.11%	5.07	1.8	0.05	13.27	0.18	0.02	28.74%	10.20%	0.28%	75.23%	1.02%	0.11%
		154	N/A	5	5.98	1.75	0.1	16.86	0.18	0.01	35.47%	10.38%	0.59%	100.00%	1.07%	0.06%	4.41	1.39	0.07	13.04	0.16	0.01	26.16%	8.24%	0.42%	77.34%	0.95%	0.06%
		155	N/A	5	5.62	1.84	0.15	17.28	0.11	0.01	32.52%	10.65%	0.87%	100.00%	0.64%	0.06%	4.08	1.42	0.11	12.9	0.09	0.01	23.61%	8.22%	0.64%	74.65%	0.52%	0.06%
		156	N/A	5	1.81	1.47	0.05	7.82	0.38	0.05	23.15%	18.80%	0.64%	100.00%	4.86%	0.64%	1.26	1.24	0.04	4.86	0.26	0.05	16.11%	15.86%	0.51%	62.15%	3.32%	0.64%
		162	N/A	5	6.13	1.69	0.08	16.59	0.9	0	36.95%	10.19%	0.48%	100.00%	5.42%	0.00%	4.52	1.36	0.06	11.74	0.74	0	27.25%	8.20%	0.36%	70.77%	4.46%	0.00%
		163	N/A	5	6.65	2.1	0.08	17.41	0.2	0.01	38.20%	12.06%	0.46%	100.00%	1.15%	0.06%	4.98	1.73	0.06	13.39	0.17	0.01	28.66%	9.94%	0.34%	76.68%	0.98%	0.06%
		164	N/A	5	5.82	1.88	0.11	17.88	0.22	0.01	32.53%	10.51%	0.61%	100.00%	1.23%	0.06%	4.27	1.49	0.08	13.95	0.16	0.01	23.87%	8.11%	0.45%	75.74%	0.89%	0.06%
		165	N/A	5	4.33	1.26	0.12	12.6	0.21	0.02	34.37%	10.00%	0.96%	100.00%	1.67%	0.16%	3.13	0.99	0.08	9.06	0.12	0.01	24.84%	7.86%	0.63%	71.90%	0.95%	0.08%
		0	128	2	2.24	0.79	0.06	7.02	0.59	0.01	31.91%	11.25%	0.85%	100.00%	8.40%	0.14%	1.45	0.6	0.05	4.76	0.31	0.01	20.66%	8.55%	0.71%	67.81%	4.42%	0.14%
		2	130	2	2.3	0.62	0.03	9.1	0.31	0.03	24.18%	6.81%	0.33%	100.00%	3.41%	0.33%	1.28	0.54	0.02	5.62	0.28	0.03	14.07%	5.93%	0.22%	61.76%	3.08%	0.33%
		4	132	2	2.59	0.7	0.04	9.26	0.24	0.02	27.97%	7.56%	0.43%	100.00%	2.59%	0.22%	1.64	0.57	0.03	6.02	0.23	0.02	17.71%	6.16%	0.32%	65.01%	2.48%	0.22%
		6	134	2	1.94	0.54	0.03	7.99	0.29	0.02	24.28%	6.76%	0.38%	100.00%	3.63%	0.25%	1.18	0.46	0.03	5.11	0.27	0.02	14.77%	5.76%	0.38%	63.95%	3.38%	0.25%
		8	136	2	2.42	0.89	0.03	7.92	0.17	0.01	30.56%	11.24%	0.38%	100.00%	2.15%	0.13%	1.54	0.73	0.03	5.13	0.15	0.01	19.44%	9.22%	0.38%	64.77%	1.89%	0.13%
		10	138	4	2.26	1.35	0.09	8.61	0.84	0.02	26.25%	15.68%	1.05%	100.00%	9.76%	0.23%	1.54	1.25	0.07	5.15	0.76	0.02	17.89%	14.52%	0.81%	59.81%	8.83%	0.23%
		11	139	4	4.46	1.76	0.09	17.02	0.44	0.01	26.20%	10.34%	0.47%	100.00%	2.59%	0.06%	3.06	1.54	0.06	11.79	0.38	0.01	17.98%	9.05%	0.35%	69.21%	2.23%	0.06%
		12	140	4	3.2	1.73	0.08	13.03	0.27	0.05	24.56%	13.28%	0.61%	100.00%	2.07%	0.38%	2.26	1.42	0.06	9.07	0.2	0.05	17.34%	10.90%	0.46%	69.61%	1.53%	0.38%
		13	141	4	4.03	1.18	0.09	12.05	0.95	0.06	33.44%	9.79%	0.75%	100.00%	7.88%	0.50%	2.48	0.97	0.07	7.12	0.51	0.06	20.58%	8.05%	0.58%	59.09%	4.23%	0.50%
		18	146	4	5.18	0.88	0.11	13.4	0.66	0.01	38.66%	6.57%	0.82%	100.00%	4.93%	0.07%	3.65	0.73	0.08	9.62	0.53	0.01	27.24%	5.45%	0.60%	71.79%	3.96%	0.07%
		19	147	4	5.58	1.12	0.09	15.63	0.4	0.01	35.70%	7.17%	0.58%	100.00%	2.56%	0.06%	3.91	0.94	0.06	11.55	0.33	0.01	25.02%	6.01%	0.38%	73.90%	2.11%	0.06%
		20	148	4	4.69	1.15	0.08	15.05	0.35	0.05	31.16%	7.64%	0.40%	100.00%	2.33%	0.33%	3.21	0.94	0.04	10.42	0.24	0.05	21.33%	6.25%	0.27%	69.24%	1.59%	0.33%
		24	152	10	10.37	3.11	0.19	35.44	3.49	0.04	29.26%	8.78%	0.54%	100.00%	9.85%	0.11%	6.92	2.63	0.14	22.9	3.15	0.04	19.53%	7.42%	0.40%	64.62%	8.89%	0.11%
		25	153	10	13.88	6.07	0.22	42.71	0.82	0.03	32.50%	14.10%	0.52%	100.00%	1.92%	0.07%	10.56	5.16	0.17	31.3	0.66	0.03	24.72%	12.08%	0.40%	73.28%	1.55%	0.07%
		26	154	10	15.24	4.37	0.31	41.54	0.54	0.04	36.69%	10.52%	0.75%	100.00%	1.30%	0.10%	11.37	3.42	0.21	32.06	0.44	0.03	27.37%	8.23%	0.51%	77.18%	1.06%	0.07%
		27	155	10	17.2	4.38	0.24	44.42	0.34	0.03	38.72%	9.86%	0.54%	100.00%	0.77%	0.07%	12.52	3.32	0.18	33.89	0.25	0.03	28.19%	7.47%	0.41%	76.29%	0.56%	0.07%
		28	156	10	11.27	2.87	0.19	32.22	1.29	0.31	34.98%	8.91%	0.59%	100.00%	4.00%	0.96%	6.87	2.33	0.11	19.7	0.78	0.3	21.32%	7.36%	0.34%	61.14%	2.42%	0.93%
		34	162	10	12.88	4.53	0.26	40.31	2.05	0.01	31.95%	11.24%	0.65%	100.00%	5.09%	0.02%	8.96	3.76	0.21	28.39	1.72	0.01	22.23%	9.33%	0.52%	70.40%	4.27%	0.02%
		35	163	10	15.33	4.69	0.29	40.99	0.6	0.04	37.40%	11.44%	0.71%	100.00%	1.46%	0.10%	11.57	4.09	0.19	31.36	0.47	0.04	28.23%	9.98%	0.46%	76.51%	1.15%	0.10%
		36	164	10	16.06	4.5	0.27	43.28	0.55	0.04	37.11%	10.40%	0.62%	100.00%	1.27%	0.09%	11.83	3.48	0.19	33.46	0.44	0.03	27.33%	8.04%	0.44%	77.31%	1.02%	0.07%
		37	165	10	16.23	3.41	0.24	40.92	0.59	0.07	39.66%	8.33%	0.59%	100.00%	1.44%	0.17%	11.55	2.57	0.18	29.59	0.36	0.06	28.23%	6.28%	0.44%	72.31%	0.88%	0.15%