2.2 Calculated PD per beam ID

The simulated time-average *PD* calculated for the selected evaluation planes for all beams in the codebook are presented in this section. The calculations are done for the LOW, MID, and HIGH channels of n260 and n261 frequency bands for both Plane A Module and Plane B Module. Since the beams of H+V configuration are not phase coherent, the relative phase difference between the corresponding H+V beams with vertical and horizontal polarizations is swept from 0° to 360° in 5° steps, and the PD_{ave} is calculated for all of these phase difference values in order to capture the largest possible PD_{ave} value. The PD_{ave} values for every beam ID are reported in the Tables 2-2 to Table 2-13. For H+V configuration, the largest possible PD_{ave} values calculated using this relative phase difference sweeping method are reported.

Table 2-2 Simulated averaged PD over 4 [cm^2] area on Plane A Module - n260 Low Channel.

PD Simulation(W/㎡) Limit=10W/㎡		Low Channel												
		2 mm					40.20%	40.20%	67.97%	10 mm				64.87%
		S1	S2	S2 (CB)	S3	S5	S1/S5	S2/S5	S3/S5	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S5/S5
H	0	4.47	5.95	4.93	0.62	12.21	0.37	0.37	0.49	0.852	1.72	0.44	7.48	0.61
H	1	5.26	7.25	5.99	1.44	13.46	0.39	0.39	0.54	1.102	1.89	1.10	8.35	0.62
H	2	5.25	7.70	6.19	1.23	13.77	0.38	0.38	0.56	1.362	1.74	0.62	7.64	0.55
H	3	4.20	6.73	5.64	3.59	13.99	0.30	0.30	0.48	0.973	1.96	2.12	7.34	0.52
H	4	4.37	7.39	6.19	1.81	13.69	0.32	0.32	0.54	0.815	2.03	0.60	7.64	0.56
H	5	5.24	7.15	5.82	1.82	14.13	0.37	0.37	0.51	1.104	1.72	1.20	8.12	0.57
H	6	5.18	7.17	5.74	2.27	14.36	0.36	0.36	0.50	0.887	1.77	1.10	8.39	0.58
V	0	4.98	5.94	4.64	1.71	13.17	0.38	0.38	0.45	1.199	1.02	0.95	6.29	0.48
V	1	4.92	7.77	6.50	1.59	13.95	0.35	0.35	0.56	1.099	1.91	0.94	7.60	0.54
V	2	5.19	7.02	5.71	1.40	14.23	0.36	0.36	0.49	1.236	1.91	0.62	8.19	0.58
V	3	4.42	9.00	7.44	1.10	13.25	0.33	0.33	0.68	1.072	2.14	0.36	8.59	0.65
V	4	3.66	7.87	6.32	0.43	12.17	0.30	0.30	0.65	0.778	2.21	0.25	7.18	0.59
V	5	3.28	8.02	6.71	0.79	12.85	0.25	0.25	0.62	0.726	2.35	0.36	7.70	0.60
V	6	3.42	7.36	6.28	1.37	13.39	0.26	0.26	0.55	0.760	2.18	0.74	7.03	0.53
H+V	0	10.17	12.87	10.38	2.63	26.85	0.38	0.38	0.48	2.725	3.25	1.87	14.65	0.55
H+V	1	11.51	15.85	13.27	4.30	29.71	0.39	0.39	0.53	2.819	4.01	3.09	15.54	0.52
H+V	2	12.72	16.17	13.43	3.24	31.64	0.40	0.40	0.51	2.812	4.42	1.96	16.39	0.52
H+V	3	9.44	17.06	14.38	4.71	29.95	0.32	0.32	0.57	2.325	4.74	2.73	14.57	0.49
H+V	4	9.17	17.20	14.60	2.75	29.18	0.31	0.31	0.59	2.182	5.23	1.10	15.61	0.53
H+V	5	9.36	16.49	14.09	3.20	29.19	0.32	0.32	0.56	2.201	4.76	1.78	15.49	0.53
H+V	6	8.59	13.36	11.22	3.94	29.12	0.30	0.30	0.46	1.991	3.79	2.02	13.44	0.46

Table 2-3 Simulated averaged PD over 4 [cm^2] area on Plane A Module - n260 Mid Channel.

PD Simulation(W/㎡) Limit=10W/㎡		Mid Channel												
		2 mm					41.73%	41.73%	63.92%	10 mm				62.44%
		S1	S2	S2 (CB)	S3	S5	S1/S5	S2/S5	S3/S5	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S5/S5
H	0	3.98	5.22	4.13	0.85	11.52	0.35	0.35	0.45	0.76	1.10	0.63	6.33	0.55
H	1	4.68	4.84	3.88	1.29	11.97	0.39	0.39	0.40	1.02	1.15	1.05	6.43	0.54
H	2	4.43	5.58	4.75	1.27	12.15	0.36	0.36	0.46	1.09	1.47	0.75	6.11	0.50
H	3	3.71	6.89	5.75	3.01	12.82	0.29	0.29	0.54	0.76	1.95	2.07	6.41	0.50
H	4	5.02	6.73	5.42	1.31	13.86	0.36	0.36	0.49	1.09	1.54	0.59	7.10	0.51
H	5	5.09	6.23	5.19	1.57	13.83	0.37	0.37	0.45	0.96	1.46	0.88	7.76	0.56
H	6	6.08	7.46	5.84	2.27	14.81	0.41	0.41	0.50	1.10	1.49	1.09	9.05	0.61
V	0	5.30	5.41	4.51	1.90	13.30	0.40	0.40	0.41	1.20	1.33	1.09	6.43	0.48
V	1	5.25	6.95	5.67	1.71	13.24	0.40	0.40	0.52	1.17	1.58	0.86	7.60	0.57
V	2	5.43	7.70	6.31	0.90	14.22	0.38	0.38	0.54	1.29	1.56	0.41	8.28	0.58
V	3	4.71	8.05	6.89	0.64	12.59	0.37	0.37	0.64	1.08	2.21	0.17	7.86	0.62
V	4	3.74	7.21	5.96	0.58	11.83	0.32	0.32	0.61	0.94	1.59	0.32	6.99	0.59
V	5	3.88	6.99	5.82	1.28	12.26	0.32	0.32	0.57	0.77	1.76	0.68	7.10	0.58
V	6	3.57	6.15	5.15	1.79	12.74	0.28	0.28	0.48	1.15	1.78	0.98	6.63	0.52
H+V	0	10.64	11.65	9.41	3.57	27.72	0.38	0.38	0.42	2.28	3.14	2.59	13.19	0.48
H+V	1	11.86	12.96	10.68	3.52	29.25	0.41	0.41	0.44	2.74	3.52	2.44	14.77	0.50
H+V	2	13.51	13.96	11.62	2.88	32.37	0.42	0.42	0.43	3.39	3.56	1.09	16.39	0.51
H+V	3	11.17	14.90	12.35	4.11	29.64	0.38	0.38	0.50	2.70	3.80	2.84	13.50	0.46
H+V	4	10.09	14.02	11.82	1.88	27.75	0.36	0.36	0.51	2.68	4.25	1.05	14.03	0.51
H+V	5	10.32	14.12	12.15	3.99	28.48	0.36	0.36	0.50	2.24	4.16	2.23	15.00	0.53
H+V	6	10.39	13.53	11.27	4.66	31.53	0.33	0.33	0.43	2.48	3.32	2.27	14.88	0.47

Table 2-4 Simulated averaged PD over 4 [cm^2] area on Plane A Module - n260 High Channel.

PD Simulation(W/㎡) Limit=10W/㎡		High Channel												
		2 mm					48.40%	48.40%	54.34%	10 mm				67.07%
		S1	S2	S2 (CB)	S3	S5	S1/S5	S2/S5	S3/S5	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S5/S5
H	0	3.79	3.92	3.20	0.68	9.79	0.39	0.39	0.40	0.77	0.69	0.48	5.24	0.54
H	1	4.40	3.71	3.03	1.16	10.63	0.41	0.41	0.35	0.99	0.89	0.95	5.12	0.48
H	2	4.55	5.37	4.30	1.85	11.75	0.39	0.39	0.46	0.96	0.96	1.14	6.22	0.53
H	3	3.65	5.40	4.45	2.36	11.18	0.33	0.33	0.48	0.77	1.32	1.18	5.70	0.51
H	4	4.93	6.19	5.11	0.95	13.40	0.37	0.37	0.46	0.90	1.30	0.61	7.16	0.53
H	5	4.19	5.64	4.57	1.19	12.36	0.34	0.34	0.46	0.73	1.38	0.66	6.87	0.56
H	6	5.37	6.67	5.29	1.63	13.29	0.40	0.40	0.50	0.89	1.37	0.69	8.34	0.63
V	0	5.44	6.17	5.04	1.89	13.89	0.39	0.39	0.44	1.20	1.47	1.25	7.27	0.52
V	1	6.06	6.64	5.45	1.59	13.01	0.47	0.47	0.51	1.40	1.32	0.78	8.12	0.62
V	2	5.68	6.45	5.33	0.95	13.06	0.44	0.44	0.49	1.23	1.34	0.44	8.15	0.62
V	3	4.71	6.33	5.23	0.42	11.76	0.40	0.40	0.54	0.88	1.47	0.16	7.89	0.67
V	4	4.05	5.55	4.80	0.46	10.22	0.40	0.40	0.54	0.89	1.72	0.28	6.17	0.60
V	5	3.24	5.50	4.54	1.24	10.86	0.30	0.30	0.51	0.69	1.44	0.73	6.20	0.57
V	6	3.53	5.93	4.94	1.78	11.97	0.30	0.30	0.50	1.28	1.73	1.08	6.21	0.52
H+V	0	10.07	11.12	8.73	3.26	26.71	0.38	0.38	0.42	2.07	2.88	2.48	13.42	0.50
H+V	1	13.17	12.45	9.95	3.03	27.98	0.47	0.47	0.45	3.16	2.39	2.01	15.23	0.54
H+V	2	13.70	12.30	10.03	2.64	28.31	0.48	0.48	0.43	3.20	2.41	1.58	15.86	0.56
H+V	3	10.62	11.75	9.78	3.32	27.45	0.39	0.39	0.43	2.15	2.85	1.48	14.29	0.52
H+V	4	10.36	12.18	10.02	1.77	26.14	0.40	0.40	0.47	2.25	3.43	0.92	13.73	0.53
H+V	5	8.84	12.84	10.99	3.06	26.63	0.33	0.33	0.48	1.70	3.92	1.75	14.21	0.53
H+V	6	8.72	12.97	10.86	3.05	28.78	0.30	0.30	0.45	1.89	3.37	1.69	14.30	0.50

Table 2-5 Simulated averaged PD over 4 [cm^2] area on Plane B Module - n260 Low Channel.

PD Simulation(W/㎡) Limit=10W/㎡		Low Channel												
		2 mm					14.17%	43.80%	43.30%	10 mm				50.96%
		S1	S2	S2 (CB)	S3	S5	S1/S2	S3/S2	S5/S2	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S2/S2
H	0	0.68	6.81	5.58	0.70	2.41	0.10	0.10	0.35	0.23	2.89	0.22	0.86	0.42
H	1	0.63	6.49	5.58	0.56	2.57	0.10	0.09	0.40	0.26	3.15	0.24	1.21	0.49
H	2	0.66	5.86	4.73	1.33	2.16	0.11	0.23	0.37	0.25	2.76	0.57	0.83	0.47
H	3	0.51	6.98	5.75	1.30	2.03	0.07	0.19	0.29	0.20	2.98	0.63	0.73	0.43
H	4	0.67	8.15	6.67	3.11	2.72	0.08	0.38	0.33	0.26	3.08	1.03	1.11	0.38
H	5	0.70	7.53	6.27	1.20	2.12	0.09	0.16	0.28	0.27	3.24	0.56	0.77	0.43
H	6	0.81	6.76	5.57	1.63	2.20	0.12	0.24	0.33	0.35	3.27	0.59	0.72	0.48
V	0	0.64	5.77	4.62	1.36	2.24	0.11	0.24	0.39	0.19	2.72	0.58	0.85	0.47
V	1	0.60	8.05	6.29	1.97	2.86	0.07	0.24	0.36	0.20	3.07	0.69	1.08	0.38
V	2	0.69	6.95	5.62	0.86	2.48	0.10	0.12	0.36	0.22	2.18	0.41	1.02	0.31
V	3	0.67	7.09	5.66	0.58	1.80	0.09	0.08	0.25	0.26	2.65	0.29	0.40	0.37
V	4	0.64	5.80	4.68	1.28	1.60	0.11	0.22	0.28	0.28	2.56	0.38	0.49	0.44
V	5	0.36	5.78	4.82	0.80	1.74	0.06	0.14	0.30	0.16	2.84	0.38	0.71	0.49
V	6	0.58	5.66	4.48	1.36	2.20	0.10	0.24	0.39	0.20	2.55	0.61	0.84	0.45
H+V	0	1.38	12.70	10.63	2.79	5.26	0.11	0.22	0.41	0.54	6.05	0.93	2.35	0.48
H+V	1	1.55	14.36	11.88	3.01	6.22	0.11	0.21	0.43	0.59	7.32	1.00	2.61	0.51
H+V	2	1.53	14.49	12.13	2.24	5.53	0.11	0.15	0.38	0.65	6.51	0.88	2.44	0.45
H+V	3	1.60	15.28	12.45	2.20	4.48	0.10	0.14	0.29	0.49	6.00	0.91	1.36	0.39
H+V	4	1.97	13.93	11.34	6.10	4.57	0.14	0.44	0.33	0.68	5.40	1.52	1.58	0.39
H+V	5	1.20	13.11	10.96	2.51	4.10	0.09	0.19	0.31	0.45	6.26	0.84	1.42	0.48
H+V	6	1.49	13.17	11.09	4.03	5.14	0.11	0.31	0.39	0.66	6.29	1.38	1.82	0.48

Table 2-6 Simulated averaged PD over 4 [cm^2] area on Plane B Module - n260 Mid Channel.

PD Simulation(W/㎡) Limit=10W/㎡		Mid Channel												
		2 mm					15.37%	41.54%	42.99%	10 mm				47.80%
		S1	S2	S2 (CB)	S3	S5	S1/S2	S3/S2	S5/S2	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S2/S2
H	0	1.31	8.62	6.94	1.01	3.33	0.15	0.12	0.39	0.44	3.51	0.53	1.38	0.41
H	1	1.22	8.88	7.16	0.90	3.82	0.14	0.10	0.43	0.51	3.63	0.36	1.81	0.41
H	2	1.27	8.67	7.01	0.83	3.51	0.15	0.10	0.40	0.47	3.63	0.28	1.28	0.42
H	3	0.91	9.11	7.75	2.30	2.85	0.10	0.25	0.31	0.35	4.14	0.97	1.09	0.45
H	4	1.12	10.21	8.67	3.67	3.63	0.11	0.36	0.36	0.42	3.79	1.31	1.61	0.37
H	5	1.08	9.05	7.56	1.37	2.72	0.12	0.15	0.30	0.44	4.23	0.50	1.02	0.47
H	6	1.20	8.21	6.52	2.50	2.90	0.15	0.30	0.35	0.47	3.74	0.90	0.98	0.46
V	0	0.78	9.50	7.60	2.06	3.15	0.08	0.22	0.33	0.29	4.42	0.76	1.28	0.47
V	1	0.71	10.53	8.79	1.64	3.64	0.07	0.16	0.35	0.26	4.59	0.52	1.68	0.44
V	2	0.96	9.98	8.30	0.67	3.96	0.10	0.07	0.40	0.28	3.46	0.26	1.72	0.35
V	3	0.96	9.82	7.59	0.66	3.24	0.10	0.07	0.33	0.44	3.76	0.36	1.26	0.38
V	4	1.28	9.76	7.63	1.83	3.12	0.13	0.19	0.32	0.60	3.52	0.53	0.87	0.36
V	5	1.23	8.46	6.88	1.06	3.32	0.15	0.13	0.39	0.55	4.04	0.38	0.93	0.48
V	6	0.78	9.33	7.63	2.15	2.96	0.08	0.23	0.32	0.30	4.05	0.87	1.04	0.43
H+V	0	2.30	19.02	15.02	3.64	6.73	0.12	0.19	0.35	1.05	8.26	1.39	2.89	0.43
H+V	1	2.35	21.00	16.79	3.49	8.13	0.11	0.17	0.39	0.96	8.70	0.82	3.73	0.41
H+V	2	2.20	19.68	16.58	2.02	7.63	0.11	0.10	0.39	0.90	8.85	0.89	3.46	0.45
H+V	3	2.81	20.63	16.95	3.53	7.93	0.14	0.17	0.38	0.95	9.24	1.78	2.60	0.45
H+V	4	3.10	20.21	16.07	8.39	7.68	0.15	0.42	0.38	1.38	7.47	2.21	3.47	0.37
H+V	5	2.44	18.41	14.77	3.87	7.20	0.13	0.21	0.39	1.21	8.79	0.90	2.98	0.48
H+V	6	2.02	18.60	14.69	7.59	6.33	0.11	0.41	0.34	0.94	8.30	2.31	2.54	0.45

Table 2-7 Simulated averaged PD over 4 [cm^2] area on Plane B Module - n260 High Channel.

PD Simulation(W/㎡) Limit=10W/㎡		High Channel												
		2 mm					14.61%	35.83%	44.87%	10 mm				50.85%
		S1	S2	S2 (CB)	S3	S5	S1/S2	S3/S2	S5/S2	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S2/S2
H	0	1.03	7.91	6.48	0.94	3.08	0.13	0.12	0.39	0.31	3.68	0.37	0.98	0.46
H	1	1.03	8.63	7.10	1.94	3.55	0.12	0.22	0.41	0.39	3.91	0.37	1.60	0.45
H	2	1.16	9.56	7.93	0.76	3.36	0.12	0.08	0.35	0.42	4.22	0.38	1.20	0.44
H	3	1.11	8.95	7.25	3.10	3.23	0.12	0.35	0.36	0.46	3.71	0.87	1.17	0.41
H	4	0.99	9.74	8.50	2.30	3.46	0.10	0.24	0.36	0.39	3.90	0.90	1.57	0.40
H	5	1.07	8.73	7.09	1.13	3.01	0.12	0.13	0.34	0.42	3.41	0.49	1.05	0.39
H	6	1.23	8.41	6.80	1.46	3.75	0.15	0.17	0.45	0.43	3.27	0.72	1.28	0.39
V	0	0.77	9.36	7.87	1.68	4.11	0.08	0.18	0.44	0.24	4.42	0.46	1.40	0.47
V	1	0.80	9.22	7.77	2.22	3.21	0.09	0.24	0.35	0.28	3.95	0.44	1.39	0.43
V	2	1.16	9.69	8.18	1.02	4.35	0.12	0.11	0.45	0.39	3.50	0.37	1.88	0.36
V	3	0.80	8.52	6.54	1.41	3.63	0.09	0.16	0.43	0.37	2.78	0.51	1.33	0.33
V	4	0.63	8.49	6.96	1.60	2.18	0.07	0.19	0.26	0.29	3.23	0.58	0.93	0.38
V	5	0.65	8.60	7.00	1.38	3.11	0.08	0.16	0.36	0.26	3.72	0.61	1.22	0.43
V	6	0.78	9.34	7.76	1.96	3.92	0.08	0.21	0.42	0.22	4.17	0.62	1.38	0.45
H+V	0	2.20	18.50	15.64	3.35	7.46	0.12	0.18	0.40	0.81	9.41	1.12	2.36	0.51
H+V	1	2.40	19.71	16.36	5.43	8.15	0.12	0.28	0.41	0.92	8.67	0.88	3.47	0.44
H+V	2	2.47	20.16	16.49	1.94	8.42	0.12	0.10	0.42	0.93	8.41	0.73	3.47	0.42
H+V	3	2.27	19.94	15.74	7.14	8.25	0.11	0.36	0.41	0.84	7.18	2.03	3.61	0.36
H+V	4	2.02	21.76	17.11	4.23	6.57	0.09	0.19	0.30	0.74	7.94	1.68	2.99	0.36
H+V	5	2.07	20.40	16.19	3.85	8.00	0.10	0.19	0.39	0.65	8.66	1.68	3.48	0.42
H+V	6	2.19	22.76	18.74	4.90	9.86	0.10	0.22	0.43	0.88	9.86	2.02	3.87	0.43

Table 2-8 Simulated averaged PD over 4 [cm^2] area on Plane A Module - n261 Low Channel.

PD Simulation(W/㎡) Limit=10W/㎡		Low Channel												
		2 mm					46.68%	46.68%	57.30%	10 mm				50.82%
		S1	S2	S2 (CB)	S3	S5	S1/S5	S2/S5	S3/S5	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S5/S5
H	0	5.80	8.11	6.99	1.09	16.00	0.36	0.36	0.51	1.488	3.31	0.50	8.11	0.51
H	1	5.88	7.79	6.65	2.05	15.14	0.39	0.39	0.51	1.660	2.68	0.93	7.63	0.50
H	2	5.47	5.17	4.35	2.28	14.90	0.37	0.37	0.35	1.805	1.77	1.29	5.56	0.37
H	3	3.49	4.36	3.68	4.04	14.06	0.25	0.25	0.31	1.179	1.06	2.53	3.13	0.22
H	4	2.98	3.54	2.84	3.03	11.77	0.25	0.25	0.30	0.705	0.88	1.94	2.52	0.21
H	5	4.46	4.33	3.26	0.96	10.31	0.43	0.43	0.42	1.623	1.31	0.42	3.59	0.35
H	6	6.13	5.76	5.05	0.49	13.12	0.47	0.47	0.44	2.044	2.25	0.30	5.81	0.44
V	0	5.96	9.03	7.99	0.70	16.57	0.36	0.36	0.55	1.764	3.76	0.33	8.42	0.51
V	1	5.14	9.36	8.05	1.88	16.34	0.31	0.31	0.57	1.210	3.15	0.74	7.70	0.47
V	2	4.53	8.68	7.16	3.11	16.11	0.28	0.28	0.54	1.001	2.95	1.97	6.90	0.43
V	3	5.11	6.40	5.16	2.84	17.92	0.29	0.29	0.36	1.358	2.38	1.80	5.99	0.33
V	4	4.91	4.42	3.79	1.74	14.55	0.34	0.34	0.30	1.584	1.59	0.95	4.85	0.33
V	5	3.68	4.47	3.38	1.23	9.46	0.39	0.39	0.47	1.335	1.82	0.66	3.63	0.38
V	6	3.01	5.04	3.90	1.49	9.57	0.31	0.31	0.53	0.813	1.98	1.00	3.00	0.31
H+V	0	13.93	20.93	17.42	2.00	39.88	0.35	0.35	0.52	3.576	7.78	1.01	20.02	0.50
H+V	1	12.45	20.10	16.84	4.60	36.97	0.34	0.34	0.54	3.095	6.34	2.28	18.22	0.49
H+V	2	12.98	17.06	13.98	5.80	37.45	0.35	0.35	0.46	3.647	5.21	3.74	16.42	0.44
H+V	3	8.97	11.54	9.50	8.86	36.47	0.25	0.25	0.32	2.981	4.72	5.37	10.40	0.29
H+V	4	9.74	9.27	7.74	6.32	29.70	0.33	0.33	0.31	2.807	3.23	3.93	7.78	0.26
H+V	5	9.30	9.91	8.68	3.36	21.84	0.43	0.43	0.45	3.571	4.37	1.50	8.61	0.39
H+V	6	9.60	11.61	9.90	2.49	24.83	0.39	0.39	0.47	3.081	4.66	1.58	9.88	0.40

Table 2-9 Simulated averaged PD over 4 [cm^2] area on Plane A Module - n261 Mid Channel.

PD Simulation(W/m²) Limit=10W/m²		Mid Channel													
		2 mm					48.65%	48.65%	56.40%	10 mm				51.39%	
		S1	S2	S2 (CB)	S3	S5	S1/S5	S2/S5	S3/S5	Front	Back	Right	Top	Worst surface 10 mm/2 mm	
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S5/S5	
H	0	5.38	8.08	6.82	1.09	15.80	0.34	0.34	0.51	1.31	3.00	0.55	7.98	0.51	
H	1	5.56	7.42	6.27	1.91	14.62	0.38	0.38	0.51	1.61	2.34	0.93	7.30	0.50	
H	2	4.95	5.31	4.45	2.22	14.14	0.35	0.35	0.38	1.66	1.71	1.33	5.37	0.38	
H	3	3.35	3.82	3.25	3.68	13.76	0.24	0.24	0.28	1.08	1.17	2.26	3.26	0.24	
H	4	3.07	3.90	2.71	2.89	11.73	0.26	0.26	0.33	0.81	1.04	1.85	2.80	0.24	
H	5	4.51	4.36	3.28	1.04	10.16	0.44	0.44	0.43	1.80	1.26	0.44	3.53	0.35	
H	6	6.06	5.19	4.57	0.52	12.45	0.49	0.49	0.42	2.32	1.99	0.29	5.31	0.43	
V	0	5.59	8.53	7.55	0.81	15.78	0.35	0.35	0.54	1.66	3.56	0.40	8.10	0.51	
V	1	4.94	9.17	7.95	1.58	16.26	0.30	0.30	0.56	1.21	3.11	0.70	7.52	0.46	
V	2	4.15	8.80	7.30	2.84	16.39	0.25	0.25	0.54	1.01	2.96	1.88	6.55	0.40	
V	3	4.79	6.56	5.23	2.79	18.10	0.26	0.26	0.36	1.18	2.62	1.80	5.63	0.31	
V	4	4.97	4.76	3.89	1.72	15.14	0.33	0.33	0.31	1.52	1.66	0.96	4.93	0.33	
V	5	4.12	4.95	3.71	1.35	10.55	0.39	0.39	0.47	1.48	1.80	0.61	3.97	0.38	
V	6	3.65	5.42	4.13	1.74	9.85	0.37	0.37	0.55	1.05	1.96	0.92	3.25	0.33	
H+V	0	13.73	21.79	18.29	2.12	39.68	0.35	0.35	0.55	3.50	7.00	1.25	20.39	0.51	
H+V	1	12.54	20.03	16.83	4.20	36.46	0.34	0.34	0.55	3.20	6.29	2.26	18.21	0.50	
H+V	2	12.28	17.49	14.19	5.72	36.93	0.33	0.33	0.47	3.39	5.26	3.78	16.13	0.44	
H+V	3	8.39	13.06	10.19	8.04	37.69	0.22	0.22	0.35	2.68	5.00	4.92	10.60	0.28	
H+V	4	10.08	9.69	8.06	6.00	31.34	0.32	0.32	0.31	3.01	3.69	3.69	8.04	0.26	
H+V	5	10.45	10.46	8.07	3.66	22.37	0.47	0.47	0.47	4.27	4.16	1.76	8.17	0.37	
H+V	6	10.68	11.56	9.43	2.75	24.57	0.43	0.43	0.47	4.14	4.57	1.58	9.52	0.39	

Table 2-10 Simulated averaged *PD* over 4 [cm^2] area on Plane A Module - n261 High Channel.

PD Simulation(W/㎡) Limit=10W/㎡		High Channel												
		2 mm					51.20%	51.20%	57.15%	10 mm				52.63%
		S1	S2	S2 (CB)	S3	S5	S1/S5	S2/S5	S3/S5	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S5/S5
H	0	4.93	8.20	6.83	1.14	15.05	0.33	0.33	0.54	1.14	2.60	0.56	7.70	0.51
H	1	5.10	7.01	5.88	1.65	13.79	0.37	0.37	0.51	1.50	2.04	0.82	6.84	0.50
H	2	4.40	5.48	4.60	2.13	13.58	0.32	0.32	0.40	1.39	1.83	1.36	5.16	0.38
H	3	3.20	3.97	3.12	3.19	13.56	0.24	0.24	0.29	0.86	1.30	1.87	3.47	0.26
H	4	3.25	4.11	2.90	2.51	11.10	0.29	0.29	0.37	1.00	1.17	1.51	3.21	0.29
H	5	4.20	4.24	3.18	1.11	9.63	0.44	0.44	0.44	1.80	1.18	0.55	3.47	0.36
H	6	5.43	4.83	4.27	0.56	11.33	0.48	0.48	0.43	2.37	1.75	0.33	4.72	0.42
V	0	5.19	7.62	6.66	0.84	14.50	0.36	0.36	0.53	1.44	3.08	0.46	7.54	0.52
V	1	4.55	8.56	7.37	1.21	15.49	0.29	0.29	0.55	1.08	2.68	0.56	7.02	0.45
V	2	3.92	8.64	7.20	2.33	16.02	0.24	0.24	0.54	0.99	2.62	1.56	6.20	0.39
V	3	4.63	6.99	5.50	2.43	17.48	0.26	0.26	0.40	1.23	2.51	1.57	5.34	0.31
V	4	5.11	5.52	4.58	1.56	15.73	0.32	0.32	0.35	1.55	1.95	0.87	5.09	0.32
V	5	4.55	5.25	3.87	1.16	11.72	0.39	0.39	0.45	1.68	1.88	0.59	4.52	0.39
V	6	3.96	5.51	4.17	1.71	10.05	0.39	0.39	0.55	1.36	2.08	0.99	3.56	0.35
H+V	0	13.13	21.81	18.40	2.13	38.17	0.34	0.34	0.57	3.48	6.67	1.41	20.09	0.53
H+V	1	12.15	19.23	16.15	3.56	34.86	0.35	0.35	0.55	3.19	5.65	1.93	17.60	0.50
H+V	2	11.55	17.58	14.39	5.51	35.82	0.32	0.32	0.49	3.07	5.51	3.75	15.61	0.44
H+V	3	9.12	14.29	11.39	6.98	38.29	0.24	0.24	0.37	2.41	5.07	4.24	10.96	0.29
H+V	4	10.41	10.76	8.55	5.27	32.06	0.32	0.32	0.34	3.39	4.20	3.11	9.02	0.28
H+V	5	10.83	10.78	8.33	3.45	23.41	0.46	0.46	0.46	4.67	3.83	1.79	8.36	0.36
H+V	6	11.69	11.62	9.49	2.74	22.84	0.51	0.51	0.51	4.89	4.45	1.71	9.33	0.41

Table 2-11 Simulated averaged *PD* over 4 [cm^2] area on Plane B Module - n261 Low Channel.

PD Simulation(W/m²) Limit=10W/m²		Low Channel												
		2 mm					21.11%	43.03%	53.27%	10 mm				52.23%
		S1	S2	S2 (CB)	S3	S5	S1/S2	S3/S2	S5/S2	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S2/S2
H	0	2.09	16.42	14.16	0.87	6.60	0.13	0.05	0.40	0.840	7.58	0.29	2.70	0.46
H	1	1.93	15.61	13.47	0.78	6.44	0.12	0.05	0.41	0.596	7.81	0.28	2.52	0.50
H	2	2.09	15.54	12.90	1.08	6.68	0.13	0.07	0.43	0.859	7.54	0.56	2.80	0.49
H	3	2.39	17.18	13.76	1.53	6.87	0.14	0.09	0.40	0.648	6.74	0.71	2.89	0.39
H	4	2.27	14.72	11.30	1.90	6.84	0.15	0.13	0.46	0.673	5.15	1.02	2.22	0.35
H	5	2.70	12.85	10.07	1.94	5.97	0.21	0.15	0.46	1.005	5.06	1.20	2.03	0.39
H	6	2.41	11.40	8.38	1.58	5.72	0.21	0.14	0.50	1.006	3.03	0.96	1.67	0.27
V	0	2.99	16.98	14.15	1.35	6.70	0.18	0.08	0.39	1.580	7.73	0.72	3.50	0.46
V	1	2.89	17.33	13.52	2.29	7.28	0.17	0.13	0.42	1.339	6.28	1.17	3.31	0.36
V	2	3.31	17.24	12.33	4.61	8.27	0.19	0.27	0.48	1.304	5.05	2.89	2.22	0.29
V	3	2.17	11.27	8.71	4.85	5.34	0.19	0.43	0.47	0.760	4.05	2.92	2.01	0.36
V	4	1.41	14.93	11.35	2.38	4.78	0.09	0.16	0.32	0.572	5.25	1.10	2.09	0.35
V	5	1.97	18.17	14.93	0.80	7.73	0.11	0.04	0.43	0.897	8.33	0.39	3.61	0.46
V	6	2.14	17.58	15.14	0.55	7.75	0.12	0.03	0.44	0.994	9.18	0.30	3.46	0.52
H+V	0	5.03	37.30	31.47	3.54	14.65	0.13	0.09	0.39	2.060	16.19	1.39	6.67	0.43
H+V	1	5.14	34.79	28.82	4.84	13.07	0.15	0.14	0.38	2.326	12.89	2.16	5.53	0.37
H+V	2	5.71	33.68	25.71	6.73	16.98	0.17	0.20	0.50	2.610	10.96	4.09	5.76	0.33
H+V	3	4.77	28.55	21.71	7.96	15.21	0.17	0.28	0.53	1.489	10.61	4.35	5.04	0.37
H+V	4	4.95	28.99	22.38	6.78	12.57	0.17	0.23	0.43	1.670	9.76	3.22	4.73	0.34
H+V	5	5.77	32.96	27.66	4.38	17.01	0.18	0.13	0.52	2.113	13.97	2.46	7.09	0.42
H+V	6	5.65	33.80	28.54	3.09	17.62	0.17	0.09	0.52	2.494	14.64	1.79	7.25	0.43

Table 2-12 Simulated averaged *PD* over 4 [cm^2] area on Plane B Module - n261 Mid Channel.

PD Simulation(W/㎡) Limit=10W/㎡		Mid Channel												
		2 mm					20.89%	43.31%	50.99%	10 mm				51.83%
		S1	S2	S2 (CB)	S3	S5	S1/S2	S3/S2	S5/S2	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S2/S2
H	0	2.10	16.28	14.06	1.03	6.68	0.13	0.06	0.41	0.84	7.53	0.35	2.66	0.46
H	1	1.96	15.94	13.79	0.89	6.50	0.12	0.06	0.41	0.64	7.91	0.31	2.41	0.50
H	2	2.03	16.03	13.49	1.34	7.32	0.13	0.08	0.46	0.81	7.99	0.77	3.09	0.50
H	3	2.24	17.51	14.14	1.86	7.57	0.13	0.11	0.43	0.62	7.16	0.93	3.05	0.41
H	4	2.34	15.49	12.05	1.79	7.40	0.15	0.12	0.48	0.69	5.51	0.98	2.45	0.36
H	5	2.57	14.02	10.93	1.59	6.79	0.18	0.11	0.48	0.96	5.46	0.94	2.60	0.39
H	6	2.17	12.30	8.88	1.48	6.05	0.18	0.12	0.49	0.89	3.20	0.67	1.81	0.26
V	0	2.84	16.48	13.81	1.48	6.77	0.17	0.09	0.41	1.40	7.67	0.79	3.56	0.47
V	1	2.95	17.04	13.36	2.59	7.12	0.17	0.15	0.42	1.13	6.26	1.27	3.18	0.37
V	2	3.42	16.35	11.74	4.43	7.56	0.21	0.27	0.46	1.20	4.64	3.12	2.17	0.28
V	3	2.07	11.10	8.53	4.81	5.07	0.19	0.43	0.46	0.74	3.73	3.15	1.99	0.34
V	4	1.26	13.16	10.39	2.51	4.58	0.10	0.19	0.35	0.53	5.15	1.19	1.87	0.39
V	5	1.94	18.32	15.21	0.86	7.63	0.11	0.05	0.42	0.92	8.54	0.38	3.53	0.47
V	6	2.12	17.58	15.17	0.54	7.55	0.12	0.03	0.43	0.97	9.11	0.31	3.49	0.52
H+V	0	5.03	36.84	31.32	4.04	14.98	0.14	0.11	0.41	1.98	16.12	1.65	7.34	0.44
H+V	1	4.80	34.47	28.61	5.41	13.35	0.14	0.16	0.39	1.97	12.78	2.52	5.97	0.37
H+V	2	5.65	33.82	26.17	6.27	16.80	0.17	0.19	0.50	2.27	11.89	4.25	5.80	0.35
H+V	3	4.74	30.00	21.12	7.00	15.22	0.16	0.23	0.51	1.66	10.44	4.20	4.71	0.35
H+V	4	4.67	29.70	22.08	6.19	12.85	0.16	0.21	0.43	1.46	10.30	2.94	5.21	0.35
H+V	5	5.54	34.59	29.15	3.86	16.95	0.16	0.11	0.49	2.01	14.42	2.08	7.21	0.42
H+V	6	5.83	35.27	29.73	2.37	17.98	0.17	0.07	0.51	2.42	15.10	1.29	7.65	0.43

Table 2-13 Simulated averaged *PD* over 4 [cm^2] area on Plane B Module - n261 High Channel.

PD Simulation(W/m²) Limit=10W/m²		High Channel												
		2 mm					19.61%	42.65%	50.47%	10 mm				53.03%
		S1	S2	S2 (CB)	S3	S5	S1/S2	S3/S2	S5/S2	Front	Back	Right	Top	Worst surface 10 mm/2 mm
Pol	Beam ID	Front	Back	Back	Right	Top				S1	S2	S3	S5	S2/S2
H	0	2.21	15.92	13.63	0.95	6.42	0.14	0.06	0.40	0.87	7.21	0.38	2.39	0.45
H	1	2.05	15.83	13.68	0.85	6.39	0.13	0.05	0.40	0.67	7.77	0.32	2.31	0.49
H	2	2.02	16.39	13.86	1.40	7.56	0.12	0.09	0.46	0.76	8.22	0.80	3.08	0.50
H	3	2.27	17.49	13.92	1.88	7.54	0.13	0.11	0.43	0.69	6.86	1.12	2.88	0.39
H	4	2.44	15.52	11.95	1.91	7.83	0.16	0.12	0.50	0.75	5.36	1.09	2.52	0.35
H	5	2.49	14.52	11.11	1.43	7.09	0.17	0.10	0.49	0.95	5.55	0.79	2.88	0.38
H	6	2.00	12.69	8.92	1.53	5.64	0.16	0.12	0.44	0.82	3.19	0.63	1.83	0.25
V	0	2.77	16.53	13.93	1.44	7.07	0.17	0.09	0.43	1.25	7.68	0.76	3.76	0.46
V	1	3.05	17.52	14.07	2.70	7.35	0.17	0.15	0.42	1.02	6.88	1.29	3.59	0.39
V	2	2.98	15.21	11.25	3.92	6.48	0.20	0.26	0.43	0.99	4.40	2.95	1.82	0.29
V	3	1.73	9.61	7.39	4.10	4.84	0.18	0.43	0.50	0.55	2.84	2.94	1.59	0.30
V	4	1.15	11.76	9.75	2.16	5.21	0.10	0.18	0.44	0.47	5.35	1.02	2.00	0.45
V	5	1.83	18.08	15.33	0.84	8.03	0.10	0.05	0.44	0.87	8.99	0.40	3.45	0.50
V	6	2.02	17.82	15.50	0.55	7.90	0.11	0.03	0.44	0.95	9.45	0.33	3.52	0.53
H+V	0	4.98	36.40	31.01	3.79	15.11	0.14	0.10	0.42	1.96	15.82	1.59	7.79	0.43
H+V	1	4.58	35.02	29.18	5.36	13.82	0.13	0.15	0.39	1.77	13.05	2.51	6.65	0.37
H+V	2	5.05	34.46	27.32	5.52	15.49	0.15	0.16	0.45	1.84	12.99	3.83	5.28	0.38
H+V	3	3.98	30.65	21.54	5.99	14.72	0.13	0.20	0.48	1.64	9.73	3.99	4.30	0.32
H+V	4	4.54	30.67	22.65	5.44	14.50	0.15	0.18	0.47	1.36	9.90	2.65	5.51	0.32
H+V	5	5.23	34.31	29.06	3.76	16.52	0.15	0.11	0.48	1.89	14.57	1.88	7.33	0.42
H+V	6	5.68	36.30	30.39	2.28	17.67	0.16	0.06	0.49	2.20	15.37	1.09	7.90	0.42

3. References

[1] ANSYS HFSS for Antenna Simulation