



CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (112) / (223) pages

		3.630 to 3.639	-39.24	-39.48	-39.25	-39.31	-25.04	-14.20
		3.639 to 3.640	-27.71	-26.12	-26.83	-27.95	-25.04	-1.08
		3.700 to 3.701	-29.00	-30.03	-29.77	-29.07	-25.04	-3.96
		3.701 to 3.710	-40.40	-40.81	-40.66	-40.38	-25.04	-15.34
9		3.710 to 3.720	-40.58	-40.62	-40.75	-40.43	-37.04	-3.39
		3.530 to 3.630	-41.17	-40.83	-41.30	-41.10	-37.04	-3.79
		3.630 to 3.639	-40.42	-40.05	-40.34	-40.54	-25.04	-15.01
		3.639 to 3.640	-26.95	-26.45	-27.13	-26.49	-25.04	-1.41
		3.700 to 3.701	-29.02	-28.71	-29.29	-29.31	-25.04	-3.67
		3.701 to 3.710	-41.45	-41.77	-41.47	-41.56	-25.04	-16.41
10		3.710 to 3.720	-41.59	-41.93	-41.72	-41.91	-37.04	-4.55
		3.530 to 3.630	-39.93	-40.03	-40.25	-39.74	-37.04	-2.70
		3.630 to 3.639	-39.14	-39.03	-39.00	-39.25	-25.04	-13.96
		3.639 to 3.640	-28.10	-27.03	-26.09	-27.38	-25.04	-1.05
		3.700 to 3.701	-28.88	-28.95	-29.43	-29.15	-25.04	-3.84
		3.701 to 3.710	-40.42	-40.81	-40.54	-40.51	-25.04	-15.38
11		3.710 to 3.720	-40.55	-40.84	-40.44	-40.47	-37.04	-3.40
		3.530 to 3.630	-40.47	-40.48	-40.63	-40.55	-37.04	-3.43
		3.630 to 3.639	-39.57	-40.02	-39.78	-39.88	-25.04	-14.53
		3.639 to 3.640	-28.82	-27.72	-27.78	-26.78	-25.04	-1.74
		3.700 to 3.701	-29.13	-28.30	-30.03	-29.05	-25.04	-3.26
		3.701 to 3.710	-40.72	-41.17	-41.13	-41.07	-25.04	-15.68
12		3.710 to 3.720	-40.88	-41.29	-41.20	-41.09	-37.04	-3.84
		3.530 to 3.630	-40.73	-40.84	-40.80	-40.70	-37.04	-3.66
		3.630 to 3.639	-39.90	-39.64	-39.92	-39.91	-25.04	-14.60
		3.639 to 3.640	-28.74	-26.83	-27.17	-26.39	-25.04	-1.35
		3.700 to 3.701	-29.14	-29.14	-30.22	-29.24	-25.04	-4.10
		3.701 to 3.710	-41.01	-41.36	-41.22	-40.83	-25.04	-15.79
13		3.710 to 3.720	-41.17	-41.75	-41.38	-41.08	-37.04	-4.04
		3.530 to 3.630	-40.45	-40.53	-40.71	-40.35	-37.04	-3.31
		3.630 to 3.639	-39.73	-39.63	-39.56	-39.46	-25.04	-14.42
		3.639 to 3.640	-27.16	-26.65	-26.47	-27.06	-25.04	-1.43
		3.700 to 3.701	-29.49	-28.66	-29.23	-29.04	-25.04	-3.62
		3.701 to 3.710	-40.62	-41.16	-40.98	-40.98	-25.04	-15.58
14		3.710 to 3.720	-40.83	-41.34	-41.19	-40.79	-37.04	-3.75
		3.530 to 3.630	-40.84	-40.65	-40.85	-40.44	-37.04	-3.40
		3.630 to 3.639	-39.76	-39.50	-39.44	-39.62	-25.04	-14.40
		3.639 to 3.640	-27.76	-27.19	-27.68	-28.01	-25.04	-2.15
		3.700 to 3.701	-30.48	-28.20	-29.26	-29.26	-25.04	-3.16
		3.701 to 3.710	-41.08	-41.24	-40.96	-40.80	-25.04	-15.76
15		3.710 to 3.720	-41.20	-41.43	-41.02	-40.89	-37.04	-3.85
		3.530 to 3.630	-41.85	-41.82	-41.85	-41.78	-37.04	-4.74
		3.630 to 3.639	-40.97	-40.94	-40.96	-41.12	-25.04	-15.90
		3.639 to 3.640	-27.94	-27.07	-28.12	-27.06	-25.04	-2.02
		3.700 to 3.701	-29.68	-28.84	-30.72	-29.63	-25.04	-3.80
		3.701 to 3.710	-42.34	-42.43	-42.30	-42.17	-25.04	-17.13
		3.710 to 3.720	-42.45	-42.74	-42.59	-42.56	-37.04	-5.41

Table 8-39. Channel Edge Emission Summary Data (n48_1C_60M)

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (113) / (223) pages

Ch.	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	3.530 to 3.540	-43.75	-43.32	-43.36	-43.81	-37.04	-6.28
		3.540 to 3.549	-39.56	-38.73	-40.01	-40.56	-25.04	-13.69
		3.549 to 3.550	-38.91	-39.12	-38.27	-36.95	-25.04	-11.90
		3.620 to 3.621	-38.69	-39.14	-38.97	-38.34	-25.04	-13.30
		3.621 to 3.630	-40.00	-39.83	-39.96	-39.91	-25.04	-14.79
		3.630 to 3.720	-40.65	-40.52	-40.85	-40.90	-37.04	-3.48
	1	3.530 to 3.540	-44.56	-44.80	-45.16	-44.72	-37.04	-7.52
		3.540 to 3.549	-38.23	-39.04	-39.57	-40.18	-25.04	-13.19
		3.549 to 3.550	-38.44	-38.59	-39.49	-38.35	-25.04	-13.31
		3.620 to 3.621	-39.01	-38.75	-39.41	-39.41	-25.04	-13.70
		3.621 to 3.630	-40.19	-39.68	-40.00	-40.21	-25.04	-14.64
		3.630 to 3.720	-40.71	-40.84	-41.08	-41.05	-37.04	-3.67
	2	3.530 to 3.540	-43.38	-43.55	-43.06	-43.25	-37.04	-6.02
		3.540 to 3.549	-40.46	-38.69	-38.56	-38.69	-25.04	-13.52
		3.549 to 3.550	-37.41	-37.95	-38.46	-38.25	-25.04	-12.37
		3.620 to 3.621	-38.18	-38.05	-38.83	-38.11	-25.04	-13.01
		3.621 to 3.630	-39.26	-39.42	-39.19	-39.21	-25.04	-14.15
		3.630 to 3.720	-40.06	-39.97	-39.99	-40.34	-37.04	-2.93
	3	3.530 to 3.540	-43.96	-44.53	-44.08	-43.88	-37.04	-6.84
		3.540 to 3.549	-41.28	-39.84	-39.33	-39.15	-25.04	-14.11
		3.549 to 3.550	-38.09	-38.83	-39.23	-38.95	-25.04	-13.05
		3.620 to 3.621	-39.62	-39.06	-38.79	-38.97	-25.04	-13.75
		3.621 to 3.630	-40.20	-40.23	-40.02	-40.09	-25.04	-14.98
		3.630 to 3.720	-40.90	-40.89	-40.77	-41.04	-37.04	-3.73
	4	3.530 to 3.540	-44.21	-44.33	-42.48	-43.54	-37.04	-5.44
		3.540 to 3.549	-39.98	-39.14	-37.29	-39.26	-25.04	-12.25
		3.549 to 3.550	-37.47	-37.99	-36.31	-37.55	-25.04	-11.27
		3.620 to 3.621	-38.26	-38.49	-37.95	-38.85	-25.04	-12.91
		3.621 to 3.630	-39.59	-39.57	-37.73	-39.40	-25.04	-12.69
		3.630 to 3.720	-40.73	-40.19	-38.62	-40.56	-37.04	-1.58
	5	3.530 to 3.540	-44.57	-45.04	-45.05	-45.02	-37.04	-7.53
		3.540 to 3.549	-40.06	-40.35	-40.09	-39.11	-25.04	-14.07
		3.549 to 3.550	-38.68	-38.55	-38.95	-38.50	-25.04	-13.46
		3.620 to 3.621	-39.00	-38.82	-39.08	-38.74	-25.04	-13.70
		3.621 to 3.630	-40.01	-39.79	-40.04	-40.16	-25.04	-14.75
		3.630 to 3.720	-41.22	-40.86	-41.17	-40.82	-37.04	-3.78
	6	3.530 to 3.540	-43.14	-43.00	-43.14	-42.70	-37.04	-5.66
		3.540 to 3.549	-38.44	-40.73	-38.91	-39.31	-25.04	-13.40
		3.549 to 3.550	-37.69	-39.02	-37.75	-37.11	-25.04	-12.07
		3.620 to 3.621	-39.15	-38.20	-38.24	-38.81	-25.04	-13.16
		3.621 to 3.630	-39.55	-39.44	-39.61	-39.45	-25.04	-14.40
		3.630 to 3.720	-40.38	-40.37	-40.31	-40.25	-37.04	-3.21
	7	3.530 to 3.540	-44.26	-43.61	-44.26	-44.14	-37.04	-6.57
		3.540 to 3.549	-39.11	-41.09	-38.92	-38.96	-25.04	-13.88
		3.549 to 3.550	-37.76	-39.22	-37.81	-37.52	-25.04	-12.48
		3.620 to 3.621	-39.07	-38.79	-38.77	-38.79	-25.04	-13.73
		3.621 to 3.630	-39.87	-39.76	-39.62	-39.44	-25.04	-14.40
		3.630 to 3.720	-40.67	-40.67	-40.66	-40.64	-37.04	-3.60
	8	3.530 to 3.540	-43.26	-43.20	-43.06	-43.66	-37.04	-6.02
		3.540 to 3.549	-38.27	-38.86	-38.76	-39.01	-25.04	-13.23
		3.549 to 3.550	-37.28	-37.88	-37.71	-37.27	-25.04	-12.23
		3.620 to 3.621	-38.28	-38.40	-38.47	-38.53	-25.04	-13.24
		3.621 to 3.630	-39.22	-38.99	-39.17	-39.41	-25.04	-13.95
		3.630 to 3.720	-40.16	-39.68	-40.24	-40.22	-37.04	-2.64
	9	3.530 to 3.540	-44.56	-44.25	-45.20	-44.94	-37.04	-7.21
		3.540 to 3.549	-42.35	-39.94	-38.98	-39.58	-25.04	-13.94
		3.549 to 3.550	-38.21	-40.04	-38.88	-38.29	-25.04	-13.17
		3.620 to 3.621	-39.06	-39.37	-39.27	-39.43	-25.04	-14.02

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (114) / (223) pages

Mid	10	3.621 to 3.630	-40.47	-40.32	-40.55	-40.49	-25.04	-15.28
		3.630 to 3.720	-41.05	-41.14	-41.19	-41.46	-37.04	-4.01
		3.530 to 3.540	-42.04	-41.57	-42.22	-42.39	-37.04	-4.53
		3.540 to 3.549	-39.39	-40.43	-38.58	-38.31	-25.04	-13.27
		3.549 to 3.550	-38.33	-38.22	-37.96	-37.21	-25.04	-12.17
		3.620 to 3.621	-38.45	-37.96	-37.90	-38.77	-25.04	-12.86
		3.621 to 3.630	-39.24	-39.01	-39.46	-39.22	-25.04	-13.97
	11	3.630 to 3.720	-39.88	-39.73	-40.27	-39.69	-37.04	-2.65
		3.530 to 3.540	-43.30	-43.23	-43.96	-43.46	-37.04	-6.19
		3.540 to 3.549	-39.55	-39.86	-39.02	-39.86	-25.04	-13.98
		3.549 to 3.550	-38.30	-38.72	-37.85	-37.83	-25.04	-12.79
		3.620 to 3.621	-39.62	-37.98	-39.02	-39.44	-25.04	-12.93
		3.621 to 3.630	-39.79	-39.62	-39.49	-39.99	-25.04	-14.45
	12	3.630 to 3.720	-40.43	-40.29	-40.69	-40.69	-37.04	-3.25
		3.530 to 3.540	-44.48	-44.56	-44.46	-44.69	-37.04	-7.42
		3.540 to 3.549	-39.82	-39.07	-39.19	-39.20	-25.04	-14.03
		3.549 to 3.550	-38.29	-38.55	-37.31	-38.14	-25.04	-12.27
		3.620 to 3.621	-39.68	-38.98	-38.90	-39.09	-25.04	-13.85
		3.621 to 3.630	-40.04	-39.01	-39.99	-39.54	-25.04	-13.97
	13	3.630 to 3.720	-40.76	-40.59	-40.79	-40.55	-37.04	-3.51
		3.530 to 3.540	-43.42	-43.49	-43.64	-43.62	-37.04	-6.38
		3.540 to 3.549	-39.79	-39.88	-39.58	-39.97	-25.04	-14.54
		3.549 to 3.550	-38.94	-38.58	-37.12	-37.99	-25.04	-12.08
		3.620 to 3.621	-38.78	-39.37	-38.61	-39.12	-25.04	-13.57
		3.621 to 3.630	-39.81	-39.59	-40.01	-39.79	-25.04	-14.55
	14	3.630 to 3.720	-40.75	-40.45	-40.70	-41.06	-37.04	-3.41
		3.530 to 3.540	-44.34	-43.34	-43.67	-43.22	-37.04	-6.18
		3.540 to 3.549	-39.82	-39.53	-39.58	-38.60	-25.04	-13.56
		3.549 to 3.550	-37.79	-37.65	-37.85	-38.65	-25.04	-12.61
		3.620 to 3.621	-38.68	-38.30	-39.08	-38.35	-25.04	-13.26
		3.621 to 3.630	-39.68	-39.34	-39.82	-39.72	-25.04	-14.30
	15	3.630 to 3.720	-40.35	-40.52	-40.72	-40.67	-37.04	-3.31
		3.530 to 3.540	-44.44	-44.18	-44.10	-44.31	-37.04	-7.06
		3.540 to 3.549	-41.31	-41.43	-39.49	-40.02	-25.04	-14.45
		3.549 to 3.550	-38.97	-39.46	-37.64	-38.24	-25.04	-12.59
		3.620 to 3.621	-39.95	-39.91	-39.83	-39.91	-25.04	-14.79
		3.621 to 3.630	-41.00	-40.56	-40.95	-40.98	-25.04	-15.52
Mid	0	3.630 to 3.720	-41.92	-41.77	-42.06	-42.04	-37.04	-4.73
		3.530 to 3.580	-39.73	-40.43	-40.53	-40.40	-37.04	-2.69
		3.580 to 3.589	-38.37	-38.44	-38.42	-39.08	-25.04	-13.33
		3.589 to 3.590	-37.88	-37.20	-36.13	-37.77	-25.04	-11.08
		3.660 to 3.661	-39.73	-39.91	-39.45	-39.91	-25.04	-14.41
		3.661 to 3.670	-40.05	-40.10	-40.44	-40.49	-25.04	-15.01
	1	3.670 to 3.720	-40.72	-40.63	-41.11	-40.98	-37.04	-3.59
		3.530 to 3.580	-41.37	-41.74	-41.69	-41.39	-37.04	-4.33
		3.580 to 3.589	-38.82	-40.10	-40.18	-39.45	-25.04	-13.78
		3.589 to 3.590	-37.44	-37.37	-37.21	-36.94	-25.04	-11.90
		3.660 to 3.661	-39.19	-40.26	-39.63	-39.45	-25.04	-14.15
		3.661 to 3.670	-40.25	-40.92	-40.84	-40.60	-25.04	-15.21
	2	3.670 to 3.720	-41.11	-41.62	-41.68	-41.63	-37.04	-4.07
		3.530 to 3.580	-40.59	-40.22	-40.32	-40.38	-37.04	-3.18
		3.580 to 3.589	-38.56	-38.11	-37.80	-37.86	-25.04	-12.76
		3.589 to 3.590	-36.96	-36.40	-37.46	-36.44	-25.04	-11.36
		3.660 to 3.661	-39.08	-39.12	-39.32	-39.30	-25.04	-14.03
		3.661 to 3.670	-39.69	-39.84	-39.80	-39.98	-25.04	-14.65
	3	3.670 to 3.720	-40.48	-40.41	-40.58	-40.52	-37.04	-3.37
		3.530 to 3.580	-40.85	-40.85	-40.97	-41.16	-37.04	-3.81
		3.580 to 3.589	-38.43	-38.70	-38.69	-38.54	-25.04	-13.39
		3.589 to 3.590	-37.54	-37.69	-37.55	-38.45	-25.04	-12.50
		3.660 to 3.661	-39.16	-39.84	-39.15	-39.73	-25.04	-14.10
		3.661 to 3.670	-40.64	-40.89	-40.29	-40.85	-25.04	-15.25

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (115) / (223) pages

4	3.670 to 3.720	-41.36	-41.37	-41.25	-41.32	-37.04	-4.21
	3.530 to 3.580	-40.55	-40.68	-40.73	-40.67	-37.04	-3.51
	3.580 to 3.589	-38.73	-38.29	-38.91	-39.21	-25.04	-13.25
	3.589 to 3.590	-36.27	-37.53	-37.40	-36.74	-25.04	-11.23
	3.660 to 3.661	-39.52	-39.26	-39.42	-39.44	-25.04	-14.22
5	3.661 to 3.670	-40.18	-40.63	-40.66	-40.49	-25.04	-15.14
	3.670 to 3.720	-41.17	-41.19	-41.20	-41.10	-37.04	-4.06
	3.530 to 3.580	-41.07	-40.65	-40.92	-41.07	-37.04	-3.61
	3.580 to 3.589	-38.50	-38.58	-38.36	-38.85	-25.04	-13.32
	3.589 to 3.590	-37.44	-36.95	-36.86	-37.01	-25.04	-11.82
6	3.660 to 3.661	-39.23	-39.70	-39.54	-39.22	-25.04	-14.18
	3.661 to 3.670	-40.74	-40.44	-40.83	-40.68	-25.04	-15.40
	3.670 to 3.720	-41.11	-41.32	-41.48	-41.39	-37.04	-4.07
	3.530 to 3.580	-40.09	-40.17	-40.09	-40.20	-37.04	-3.05
	3.580 to 3.589	-37.17	-38.08	-38.72	-38.07	-25.04	-12.13
7	3.589 to 3.590	-36.27	-36.83	-35.86	-36.56	-25.04	-10.82
	3.660 to 3.661	-38.83	-39.63	-38.71	-38.54	-25.04	-13.49
	3.661 to 3.670	-40.16	-40.23	-40.38	-40.15	-25.04	-15.11
	3.670 to 3.720	-41.01	-41.12	-41.09	-40.91	-37.04	-3.87
	3.530 to 3.580	-40.25	-40.89	-40.50	-40.55	-37.04	-3.21
8	3.580 to 3.589	-39.61	-37.61	-37.54	-38.67	-25.04	-12.50
	3.589 to 3.590	-36.20	-38.26	-37.66	-36.31	-25.04	-11.16
	3.660 to 3.661	-39.36	-38.61	-39.24	-38.90	-25.04	-13.57
	3.661 to 3.670	-40.21	-40.47	-40.39	-40.04	-25.04	-15.00
	3.670 to 3.720	-41.01	-41.12	-41.10	-40.92	-37.04	-3.88
9	3.530 to 3.580	-40.46	-40.05	-39.54	-39.78	-37.04	-2.50
	3.580 to 3.589	-38.14	-38.16	-38.05	-38.70	-25.04	-13.01
	3.589 to 3.590	-36.18	-36.36	-36.86	-36.69	-25.04	-11.13
	3.660 to 3.661	-38.93	-38.67	-39.23	-38.61	-25.04	-13.57
	3.661 to 3.670	-39.81	-40.02	-40.09	-39.85	-25.04	-14.77
10	3.670 to 3.720	-40.65	-40.65	-40.73	-40.71	-37.04	-3.61
	3.530 to 3.580	-40.87	-41.39	-41.34	-41.62	-37.04	-3.83
	3.580 to 3.589	-39.63	-38.70	-39.28	-39.17	-25.04	-13.66
	3.589 to 3.590	-36.26	-37.64	-37.63	-37.82	-25.04	-11.22
	3.660 to 3.661	-39.78	-40.08	-39.76	-39.93	-25.04	-14.72
11	3.661 to 3.670	-40.98	-40.74	-41.23	-41.13	-25.04	-15.70
	3.670 to 3.720	-41.65	-41.71	-41.89	-41.89	-37.04	-4.61
	3.530 to 3.580	-40.36	-39.98	-40.04	-40.08	-37.04	-2.94
	3.580 to 3.589	-38.15	-38.03	-38.30	-38.12	-25.04	-12.99
	3.589 to 3.590	-36.83	-36.42	-36.81	-36.98	-25.04	-11.37
12	3.660 to 3.661	-39.64	-39.09	-38.67	-39.42	-25.04	-13.63
	3.661 to 3.670	-39.95	-40.30	-40.20	-40.17	-25.04	-14.91
	3.670 to 3.720	-40.76	-40.80	-40.88	-40.73	-37.04	-3.69
	3.530 to 3.580	-40.50	-40.35	-40.02	-40.36	-37.04	-2.98
	3.580 to 3.589	-39.26	-38.72	-38.51	-37.81	-25.04	-12.77
13	3.589 to 3.590	-36.77	-37.01	-37.27	-36.81	-25.04	-11.73
	3.660 to 3.661	-39.43	-38.99	-39.17	-39.23	-25.04	-13.95
	3.661 to 3.670	-40.36	-40.63	-40.42	-40.48	-25.04	-15.32
	3.670 to 3.720	-40.94	-40.97	-40.97	-41.04	-37.04	-3.90
	3.530 to 3.580	-41.05	-40.72	-40.92	-41.15	-37.04	-3.68
14	3.580 to 3.589	-37.92	-39.28	-38.73	-38.89	-25.04	-12.88
	3.589 to 3.590	-37.94	-36.88	-37.44	-36.93	-25.04	-11.84
	3.660 to 3.661	-39.86	-39.58	-39.53	-39.83	-25.04	-14.49
	3.661 to 3.670	-40.23	-40.71	-40.72	-40.58	-25.04	-15.19
	3.670 to 3.720	-41.08	-41.33	-41.46	-41.28	-37.04	-4.04
15	3.530 to 3.580	-40.03	-40.64	-40.20	-40.12	-37.04	-2.99
	3.580 to 3.589	-38.51	-37.91	-38.88	-38.11	-25.04	-12.87
	3.589 to 3.590	-36.71	-36.06	-36.13	-36.73	-25.04	-11.02
	3.660 to 3.661	-39.44	-38.84	-39.33	-39.38	-25.04	-13.80
	3.661 to 3.670	-40.61	-40.84	-40.70	-40.54	-25.04	-15.50
16	3.670 to 3.720	-41.31	-41.46	-41.22	-41.22	-37.04	-4.18

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (116) / (223) pages

	14	3.530 to 3.580	-40.21	-40.14	-40.46	-40.37	-37.04	-3.10
		3.580 to 3.589	-39.29	-37.99	-38.12	-39.05	-25.04	-12.95
		3.589 to 3.590	-37.71	-36.90	-37.02	-36.68	-25.04	-11.64
		3.660 to 3.661	-39.73	-38.95	-39.58	-39.15	-25.04	-13.91
		3.661 to 3.670	-39.95	-40.29	-40.55	-40.02	-25.04	-14.91
		3.670 to 3.720	-40.95	-41.13	-41.13	-41.02	-37.04	-3.91
	15	3.530 to 3.580	-41.91	-41.61	-41.98	-41.75	-37.04	-4.57
		3.580 to 3.589	-39.23	-39.05	-38.87	-39.13	-25.04	-13.83
		3.589 to 3.590	-38.13	-37.70	-36.92	-37.88	-25.04	-11.88
		3.660 to 3.661	-40.31	-39.81	-40.41	-40.71	-25.04	-14.77
		3.661 to 3.670	-41.27	-41.54	-41.74	-41.10	-25.04	-16.06
		3.670 to 3.720	-42.50	-42.48	-42.63	-42.34	-37.04	-5.30
High	0	3.530 to 3.620	-40.66	-40.36	-40.47	-40.58	-37.04	-3.32
		3.620 to 3.629	-38.23	-37.83	-38.21	-38.08	-25.04	-12.79
		3.629 to 3.630	-35.93	-37.22	-36.69	-37.62	-25.04	-10.89
		3.700 to 3.701	-39.46	-40.10	-39.99	-40.21	-25.04	-14.42
		3.701 to 3.710	-40.88	-40.84	-41.04	-40.85	-25.04	-15.80
		3.710 to 3.720	-40.87	-41.01	-41.07	-41.02	-37.04	-3.83
	1	3.530 to 3.620	-41.41	-41.29	-41.29	-41.30	-37.04	-4.25
		3.620 to 3.629	-38.33	-37.95	-38.28	-39.04	-25.04	-12.91
		3.629 to 3.630	-38.69	-37.88	-36.91	-36.92	-25.04	-11.86
		3.700 to 3.701	-40.28	-40.37	-39.73	-39.89	-25.04	-14.69
		3.701 to 3.710	-41.00	-41.22	-41.02	-40.82	-25.04	-15.78
		3.710 to 3.720	-41.38	-41.40	-41.55	-41.48	-37.04	-4.34
	2	3.530 to 3.620	-40.04	-40.03	-39.95	-40.07	-37.04	-2.91
		3.620 to 3.629	-37.85	-37.69	-37.52	-37.28	-25.04	-12.24
		3.629 to 3.630	-36.41	-37.04	-38.00	-36.40	-25.04	-11.36
		3.700 to 3.701	-39.49	-38.94	-39.40	-39.28	-25.04	-13.90
		3.701 to 3.710	-40.43	-40.03	-40.54	-40.52	-25.04	-14.99
		3.710 to 3.720	-40.30	-40.38	-40.76	-40.68	-37.04	-3.26
	3	3.530 to 3.620	-40.94	-40.86	-40.79	-40.92	-37.04	-3.75
		3.620 to 3.629	-38.54	-39.02	-38.67	-38.27	-25.04	-13.23
		3.629 to 3.630	-36.99	-37.40	-38.05	-37.30	-25.04	-11.95
		3.700 to 3.701	-40.01	-39.80	-39.75	-40.26	-25.04	-14.71
		3.701 to 3.710	-41.11	-41.09	-41.04	-40.95	-25.04	-15.91
		3.710 to 3.720	-41.08	-41.26	-41.26	-41.36	-37.04	-4.04
	4	3.530 to 3.620	-40.40	-40.41	-40.54	-40.55	-37.04	-3.36
		3.620 to 3.629	-37.49	-38.06	-37.41	-37.87	-25.04	-12.37
		3.629 to 3.630	-36.65	-37.03	-37.19	-37.03	-25.04	-11.60
		3.700 to 3.701	-39.72	-40.10	-40.20	-39.77	-25.04	-14.68
		3.701 to 3.710	-40.87	-40.98	-40.79	-40.92	-25.04	-15.75
		3.710 to 3.720	-41.20	-41.10	-41.21	-41.02	-37.04	-3.98
	5	3.530 to 3.620	-41.14	-40.90	-40.90	-41.08	-37.04	-3.86
		3.620 to 3.629	-38.70	-37.98	-38.52	-38.99	-25.04	-12.94
		3.629 to 3.630	-37.07	-37.36	-37.48	-38.01	-25.04	-12.03
		3.700 to 3.701	-40.39	-40.09	-40.43	-40.47	-25.04	-15.05
		3.701 to 3.710	-40.98	-41.25	-41.28	-41.24	-25.04	-15.94
		3.710 to 3.720	-41.38	-41.22	-41.51	-41.32	-37.04	-4.18
	6	3.530 to 3.620	-40.37	-40.18	-40.45	-40.48	-37.04	-3.14
		3.620 to 3.629	-37.74	-37.52	-38.14	-37.38	-25.04	-12.34
		3.629 to 3.630	-37.05	-37.47	-36.63	-37.61	-25.04	-11.59
		3.700 to 3.701	-39.26	-40.05	-40.02	-39.74	-25.04	-14.22
		3.701 to 3.710	-40.60	-40.60	-40.88	-40.86	-25.04	-15.56
		3.710 to 3.720	-40.83	-40.92	-41.02	-40.98	-37.04	-3.79
	7	3.530 to 3.620	-40.73	-40.85	-40.55	-40.79	-37.04	-3.51
		3.620 to 3.629	-38.46	-37.96	-37.79	-38.62	-25.04	-12.75
		3.629 to 3.630	-36.75	-37.30	-37.88	-36.73	-25.04	-11.69
		3.700 to 3.701	-39.73	-39.96	-40.16	-39.76	-25.04	-14.68
		3.701 to 3.710	-40.78	-40.76	-40.66	-40.76	-25.04	-15.62
		3.710 to 3.720	-40.85	-40.88	-41.00	-41.07	-37.04	-3.81
	8	3.530 to 3.620	-40.11	-40.00	-40.00	-40.32	-37.04	-2.96

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (117) / (223) pages

		3.620 to 3.629	-38.47	-37.68	-38.68	-38.10	-25.04	-12.64
		3.629 to 3.630	-37.16	-36.80	-36.94	-36.62	-25.04	-11.57
		3.700 to 3.701	-39.47	-40.03	-39.44	-39.85	-25.04	-14.40
		3.701 to 3.710	-40.50	-40.64	-40.56	-40.73	-25.04	-15.46
		3.710 to 3.720	-40.64	-40.69	-40.74	-40.82	-37.04	-3.60
	9	3.530 to 3.620	-41.25	-40.92	-41.06	-41.31	-37.04	-3.88
		3.620 to 3.629	-38.50	-37.98	-38.34	-38.02	-25.04	-12.94
		3.629 to 3.630	-36.73	-36.48	-36.82	-37.12	-25.04	-11.44
		3.700 to 3.701	-39.96	-40.73	-39.96	-40.45	-25.04	-14.92
		3.701 to 3.710	-41.34	-41.20	-41.43	-41.61	-25.04	-16.16
		3.710 to 3.720	-41.66	-41.79	-41.97	-41.93	-37.04	-4.62
	10	3.530 to 3.620	-40.07	-40.01	-40.08	-40.22	-37.04	-2.97
		3.620 to 3.629	-37.54	-37.73	-38.26	-38.23	-25.04	-12.50
		3.629 to 3.630	-36.23	-37.09	-37.55	-36.61	-25.04	-11.18
		3.700 to 3.701	-39.88	-39.46	-40.34	-39.80	-25.04	-14.42
		3.701 to 3.710	-40.56	-40.67	-40.33	-40.47	-25.04	-15.29
		3.710 to 3.720	-40.63	-40.76	-40.84	-40.42	-37.04	-3.38
	11	3.530 to 3.620	-40.68	-39.95	-40.36	-40.63	-37.04	-2.91
		3.620 to 3.629	-38.70	-38.34	-37.07	-38.59	-25.04	-12.03
		3.629 to 3.630	-37.16	-37.29	-36.62	-36.46	-25.04	-11.41
		3.700 to 3.701	-39.88	-40.23	-40.49	-39.95	-25.04	-14.84
		3.701 to 3.710	-40.61	-40.84	-41.00	-40.89	-25.04	-15.57
		3.710 to 3.720	-41.07	-41.04	-41.45	-41.07	-37.04	-4.00
	12	3.530 to 3.620	-40.87	-40.67	-40.89	-40.92	-37.04	-3.63
		3.620 to 3.629	-37.94	-38.19	-38.36	-38.37	-25.04	-12.90
		3.629 to 3.630	-37.11	-37.42	-38.46	-37.53	-25.04	-12.07
		3.700 to 3.701	-40.04	-39.99	-39.73	-40.24	-25.04	-14.69
		3.701 to 3.710	-41.13	-41.08	-41.21	-41.18	-25.04	-16.04
		3.710 to 3.720	-41.25	-41.48	-41.61	-41.42	-37.04	-4.21
	13	3.530 to 3.620	-40.68	-40.34	-40.80	-40.60	-37.04	-3.30
		3.620 to 3.629	-37.81	-38.20	-37.54	-38.02	-25.04	-12.50
		3.629 to 3.630	-36.82	-37.46	-36.96	-37.32	-25.04	-11.78
		3.700 to 3.701	-40.06	-39.52	-39.83	-40.01	-25.04	-14.48
		3.701 to 3.710	-40.56	-40.87	-40.84	-40.98	-25.04	-15.52
		3.710 to 3.720	-41.02	-41.10	-41.16	-41.07	-37.04	-3.98
	14	3.530 to 3.620	-40.82	-40.52	-40.90	-40.68	-37.04	-3.48
		3.620 to 3.629	-38.49	-38.22	-37.91	-37.97	-25.04	-12.87
		3.629 to 3.630	-37.03	-37.63	-36.98	-36.96	-25.04	-11.92
		3.700 to 3.701	-39.97	-39.55	-39.99	-39.99	-25.04	-14.51
		3.701 to 3.710	-40.55	-41.00	-40.88	-40.89	-25.04	-15.51
		3.710 to 3.720	-41.10	-41.26	-41.04	-41.21	-37.04	-4.00
	15	3.530 to 3.620	-42.16	-41.54	-41.86	-42.06	-37.04	-4.50
		3.620 to 3.629	-38.39	-38.82	-39.84	-38.57	-25.04	-13.35
		3.629 to 3.630	-39.03	-38.72	-37.10	-38.08	-25.04	-12.06
		3.700 to 3.701	-40.89	-40.53	-41.06	-40.89	-25.04	-15.48
		3.701 to 3.710	-41.94	-41.97	-42.10	-42.00	-25.04	-16.90
		3.710 to 3.720	-42.10	-42.80	-42.59	-42.80	-37.04	-5.06

Table 8-40. Channel Edge Emission Summary Data (n48_4C_10M+10M+10M+40M)

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (118) / (223) pages

Ch.	Port	Measured Range (GHz)	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	3.530 to 3.540	-42.99	-43.06	-42.98	-43.16	-37.04	-5.94
		3.540 to 3.549	-41.97	-41.81	-41.40	-41.67	-25.04	-16.36
		3.549 to 3.550	-35.77	-40.41	-40.28	-39.79	-25.04	-10.72
		3.630 to 3.631	-35.11	-39.48	-39.36	-39.58	-25.04	-10.07
		3.631 to 3.640	-39.97	-40.07	-39.96	-40.44	-25.04	-14.92
		3.640 to 3.720	-40.71	-40.91	-40.88	-40.97	-37.04	-3.67
	1	3.530 to 3.540	-44.13	-43.81	-43.86	-43.84	-37.04	-6.77
		3.540 to 3.549	-42.05	-42.45	-42.63	-42.47	-25.04	-17.01
		3.549 to 3.550	-38.56	-40.58	-40.77	-40.58	-25.04	-13.51
		3.630 to 3.631	-38.20	-39.27	-39.31	-38.51	-25.04	-13.16
		3.631 to 3.640	-40.49	-40.37	-40.38	-40.42	-25.04	-15.33
		3.640 to 3.720	-40.91	-40.99	-41.24	-41.38	-37.04	-3.87
	2	3.530 to 3.540	-42.64	-42.84	-42.65	-42.96	-37.04	-5.60
		3.540 to 3.549	-41.65	-41.12	-40.84	-41.65	-25.04	-15.80
		3.549 to 3.550	-39.01	-39.73	-39.67	-39.54	-25.04	-13.97
		3.630 to 3.631	-38.24	-38.31	-38.66	-38.84	-25.04	-13.20
		3.631 to 3.640	-39.43	-39.70	-39.60	-39.80	-25.04	-14.39
		3.640 to 3.720	-40.24	-40.47	-40.29	-40.43	-37.04	-3.20
	3	3.530 to 3.540	-43.70	-43.65	-43.35	-43.54	-37.04	-6.31
		3.540 to 3.549	-42.17	-42.26	-42.63	-42.66	-25.04	-17.13
		3.549 to 3.550	-40.72	-40.72	-41.09	-40.56	-25.04	-15.52
		3.630 to 3.631	-39.15	-39.35	-39.27	-39.10	-25.04	-14.06
		3.631 to 3.640	-40.17	-40.29	-40.61	-40.53	-25.04	-15.13
		3.640 to 3.720	-40.94	-40.82	-40.91	-41.42	-37.04	-3.78
	4	3.530 to 3.540	-43.60	-43.46	-43.75	-43.60	-37.04	-6.42
		3.540 to 3.549	-41.45	-41.72	-42.04	-41.66	-25.04	-16.41
		3.549 to 3.550	-40.19	-40.20	-40.50	-40.22	-25.04	-15.15
		3.630 to 3.631	-38.76	-39.08	-39.32	-39.19	-25.04	-13.72
		3.631 to 3.640	-40.15	-40.21	-40.38	-40.47	-25.04	-15.11
		3.640 to 3.720	-40.99	-41.06	-41.27	-41.21	-37.04	-3.95
	5	3.530 to 3.540	-44.22	-44.25	-44.04	-44.33	-37.04	-7.00
		3.540 to 3.549	-42.84	-42.16	-42.81	-42.41	-25.04	-17.12
		3.549 to 3.550	-40.55	-41.25	-40.76	-40.50	-25.04	-15.46
		3.630 to 3.631	-39.03	-39.75	-39.51	-39.20	-25.04	-13.98
		3.631 to 3.640	-40.08	-40.01	-40.45	-40.62	-25.04	-14.97
		3.640 to 3.720	-41.12	-40.96	-41.39	-41.36	-37.04	-3.92
	6	3.530 to 3.540	-42.73	-42.75	-42.63	-42.69	-37.04	-5.59
		3.540 to 3.549	-41.91	-41.84	-41.75	-41.87	-25.04	-16.71
		3.549 to 3.550	-39.55	-39.78	-39.89	-39.96	-25.04	-14.51
		3.630 to 3.631	-38.85	-38.86	-38.66	-38.84	-25.04	-13.62
		3.631 to 3.640	-39.83	-39.82	-39.79	-40.15	-25.04	-14.75
		3.640 to 3.720	-40.82	-40.39	-40.85	-40.68	-37.04	-3.35
	7	3.530 to 3.540	-43.23	-43.37	-43.38	-43.11	-37.04	-6.07
		3.540 to 3.549	-41.89	-42.14	-42.36	-42.49	-25.04	-16.85
		3.549 to 3.550	-39.69	-40.42	-40.76	-40.36	-25.04	-14.64
		3.630 to 3.631	-39.54	-39.33	-39.04	-39.16	-25.04	-13.99
		3.631 to 3.640	-40.17	-39.86	-39.82	-40.07	-25.04	-14.78
		3.640 to 3.720	-40.59	-40.67	-40.95	-41.01	-37.04	-3.55
	8	3.530 to 3.540	-42.54	-42.44	-42.47	-43.14	-37.04	-5.40
		3.540 to 3.549	-41.52	-41.22	-41.43	-41.26	-25.04	-16.18
		3.549 to 3.550	-39.86	-39.74	-39.38	-40.05	-25.04	-14.33
		3.630 to 3.631	-38.62	-39.30	-38.65	-38.66	-25.04	-13.58
		3.631 to 3.640	-39.55	-39.54	-39.53	-39.83	-25.04	-14.49
		3.640 to 3.720	-40.30	-40.19	-40.12	-40.36	-37.04	-3.08
	9	3.530 to 3.540	-44.14	-43.92	-43.65	-44.29	-37.04	-6.61
		3.540 to 3.549	-42.50	-42.97	-42.80	-43.08	-25.04	-17.46
		3.549 to 3.550	-40.54	-40.37	-40.98	-40.69	-25.04	-15.33
		3.630 to 3.631	-39.73	-39.98	-39.78	-39.48	-25.04	-14.44

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (119) / (223) pages

Mid		3.631 to 3.640	-40.40	-40.83	-40.73	-40.81	-25.04	-15.36
		3.640 to 3.720	-41.27	-41.59	-41.35	-41.88	-37.04	-4.23
	10	3.530 to 3.540	-41.55	-41.77	-41.70	-40.34	-37.04	-3.30
		3.540 to 3.549	-40.99	-41.27	-41.44	-40.06	-25.04	-15.02
		3.549 to 3.550	-40.06	-39.98	-39.66	-40.25	-25.04	-14.61
		3.630 to 3.631	-38.55	-39.03	-38.99	-39.12	-25.04	-13.51
		3.631 to 3.640	-39.59	-39.63	-39.48	-38.68	-25.04	-13.64
		3.640 to 3.720	-40.29	-40.07	-40.20	-39.44	-37.04	-2.40
	11	3.530 to 3.540	-43.13	-43.20	-42.97	-43.12	-37.04	-5.93
		3.540 to 3.549	-41.52	-41.61	-42.40	-42.12	-25.04	-16.48
		3.549 to 3.550	-40.30	-40.40	-40.40	-40.21	-25.04	-15.17
		3.630 to 3.631	-39.18	-39.12	-39.58	-39.14	-25.04	-14.08
		3.631 to 3.640	-39.74	-40.18	-40.00	-40.33	-25.04	-14.70
		3.640 to 3.720	-40.72	-40.76	-41.00	-41.13	-37.04	-3.68
	12	3.530 to 3.540	-44.45	-44.67	-44.82	-44.89	-37.04	-7.41
		3.540 to 3.549	-42.56	-42.67	-42.61	-42.55	-25.04	-17.51
		3.549 to 3.550	-40.72	-40.96	-40.90	-40.97	-25.04	-15.67
		3.630 to 3.631	-39.34	-39.59	-39.45	-39.04	-25.04	-14.00
		3.631 to 3.640	-40.16	-40.12	-40.48	-40.66	-25.04	-15.08
		3.640 to 3.720	-40.80	-41.09	-41.09	-41.28	-37.04	-3.76
	13	3.530 to 3.540	-43.01	-43.05	-43.03	-43.07	-37.04	-5.97
		3.540 to 3.549	-42.20	-41.80	-42.05	-41.93	-25.04	-16.76
		3.549 to 3.550	-40.92	-40.38	-40.06	-40.61	-25.04	-15.01
		3.630 to 3.631	-39.05	-38.76	-39.41	-39.21	-25.04	-13.72
		3.631 to 3.640	-39.82	-40.18	-40.24	-40.47	-25.04	-14.78
		3.640 to 3.720	-40.81	-40.62	-40.86	-40.71	-37.04	-3.58
	14	3.530 to 3.540	-42.80	-42.88	-42.72	-43.06	-37.04	-5.68
		3.540 to 3.549	-42.03	-42.03	-42.24	-41.99	-25.04	-16.95
		3.549 to 3.550	-40.43	-40.61	-40.47	-40.50	-25.04	-15.38
		3.630 to 3.631	-39.60	-39.60	-39.11	-39.42	-25.04	-14.06
		3.631 to 3.640	-40.10	-40.22	-40.25	-40.35	-25.04	-15.06
		3.640 to 3.720	-40.81	-40.65	-40.74	-41.00	-37.04	-3.61
	15	3.530 to 3.540	-43.88	-43.70	-44.01	-44.02	-37.04	-6.66
		3.540 to 3.549	-42.67	-42.70	-43.40	-42.84	-25.04	-17.63
		3.549 to 3.550	-41.23	-41.18	-41.13	-41.13	-25.04	-16.09
		3.630 to 3.631	-40.48	-40.29	-40.35	-40.41	-25.04	-15.25
		3.631 to 3.640	-41.33	-41.16	-41.02	-41.60	-25.04	-15.98
		3.640 to 3.720	-41.99	-42.27	-42.11	-42.49	-37.04	-4.95
	0	3.530 to 3.575	-40.00	-40.42	-40.30	-40.22	-37.04	-2.96
		3.575 to 3.584	-40.28	-40.48	-40.21	-40.95	-25.04	-15.17
		3.584 to 3.585	-38.66	-39.07	-39.21	-38.87	-25.04	-13.62
		3.665 to 3.666	-39.54	-39.61	-39.45	-39.79	-25.04	-14.41
		3.666 to 3.675	-40.98	-40.59	-40.75	-40.88	-25.04	-15.55
		3.675 to 3.720	-41.25	-41.03	-41.15	-41.17	-37.04	-3.99
	1	3.530 to 3.575	-41.34	-41.24	-41.55	-41.15	-37.04	-4.11
		3.575 to 3.584	-41.55	-41.16	-41.19	-41.13	-25.04	-16.09
		3.584 to 3.585	-39.49	-39.55	-39.61	-39.77	-25.04	-14.45
		3.665 to 3.666	-39.74	-39.78	-39.76	-39.86	-25.04	-14.70
		3.666 to 3.675	-41.08	-40.77	-41.05	-41.13	-25.04	-15.73
		3.675 to 3.720	-41.64	-41.64	-41.63	-41.43	-37.04	-4.39
	2	3.530 to 3.575	-40.11	-40.22	-39.99	-40.01	-37.04	-2.95
		3.575 to 3.584	-40.27	-40.48	-39.77	-39.92	-25.04	-14.73
		3.584 to 3.585	-38.59	-38.30	-38.88	-38.57	-25.04	-13.26
		3.665 to 3.666	-39.64	-39.23	-39.15	-38.96	-25.04	-13.92
		3.666 to 3.675	-40.27	-40.11	-40.19	-40.22	-25.04	-15.07
		3.675 to 3.720	-40.86	-40.86	-40.56	-40.71	-37.04	-3.52
	3	3.530 to 3.575	-40.40	-40.75	-40.96	-40.77	-37.04	-3.36
		3.575 to 3.584	-41.25	-41.26	-41.14	-40.99	-25.04	-15.95
		3.584 to 3.585	-39.79	-39.42	-39.46	-39.57	-25.04	-14.38
		3.665 to 3.666	-39.76	-40.11	-39.57	-40.05	-25.04	-14.53
		3.666 to 3.675	-41.25	-40.96	-40.74	-40.98	-25.04	-15.70

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (120) / (223) pages

	4	3.675 to 3.720	-41.42	-41.50	-41.50	-41.58	-37.04	-4.38
		3.530 to 3.575	-40.91	-41.01	-40.68	-40.89	-37.04	-3.64
		3.575 to 3.584	-40.87	-40.51	-40.56	-40.61	-25.04	-15.47
		3.584 to 3.585	-39.47	-39.21	-38.93	-38.65	-25.04	-13.61
		3.665 to 3.666	-40.02	-39.65	-39.85	-39.35	-25.04	-14.31
		3.666 to 3.675	-41.18	-40.78	-40.82	-40.85	-25.04	-15.74
	5	3.675 to 3.720	-41.34	-41.43	-40.86	-41.32	-37.04	-3.82
		3.530 to 3.575	-40.94	-41.42	-41.20	-41.16	-37.04	-3.90
		3.575 to 3.584	-41.51	-41.12	-41.07	-41.05	-25.04	-16.01
		3.584 to 3.585	-39.58	-39.53	-39.35	-39.51	-25.04	-14.31
		3.665 to 3.666	-39.62	-39.85	-39.62	-39.66	-25.04	-14.57
		3.666 to 3.675	-41.13	-41.16	-41.14	-40.94	-25.04	-15.90
	6	3.675 to 3.720	-41.60	-41.59	-41.63	-41.58	-37.04	-4.54
		3.530 to 3.575	-40.21	-40.13	-40.20	-40.08	-37.04	-3.04
		3.575 to 3.584	-40.36	-40.38	-40.55	-40.54	-25.04	-15.32
		3.584 to 3.585	-39.00	-38.62	-39.06	-38.44	-25.04	-13.40
		3.665 to 3.666	-39.18	-39.11	-39.43	-39.31	-25.04	-14.07
		3.666 to 3.675	-40.85	-40.28	-40.57	-40.47	-25.04	-15.24
	7	3.675 to 3.720	-41.42	-41.12	-41.25	-41.17	-37.04	-4.08
		3.530 to 3.575	-40.48	-40.69	-40.65	-40.58	-37.04	-3.44
		3.575 to 3.584	-40.96	-40.89	-40.87	-40.80	-25.04	-15.76
		3.584 to 3.585	-39.91	-39.01	-39.22	-38.93	-25.04	-13.88
		3.665 to 3.666	-39.47	-39.12	-39.53	-38.84	-25.04	-13.80
		3.666 to 3.675	-40.76	-40.66	-40.68	-40.71	-25.04	-15.62
	8	3.675 to 3.720	-41.24	-41.14	-41.12	-41.18	-37.04	-4.08
		3.530 to 3.575	-39.58	-40.13	-39.98	-39.91	-37.04	-2.54
		3.575 to 3.584	-40.03	-40.24	-40.49	-40.01	-25.04	-14.97
		3.584 to 3.585	-38.70	-38.49	-38.51	-38.20	-25.04	-13.16
		3.665 to 3.666	-39.50	-39.01	-39.24	-39.20	-25.04	-13.96
		3.666 to 3.675	-40.46	-40.32	-40.41	-40.24	-25.04	-15.20
	9	3.675 to 3.720	-40.83	-40.67	-40.88	-40.77	-37.04	-3.63
		3.530 to 3.575	-41.01	-41.37	-41.12	-41.27	-37.04	-3.97
		3.575 to 3.584	-41.63	-41.37	-41.10	-41.17	-25.04	-16.06
		3.584 to 3.585	-39.51	-39.55	-39.14	-39.49	-25.04	-14.10
		3.665 to 3.666	-40.19	-39.49	-39.97	-40.14	-25.04	-14.45
		3.666 to 3.675	-41.66	-41.22	-41.51	-41.48	-25.04	-16.18
	10	3.675 to 3.720	-42.09	-41.77	-42.13	-41.93	-37.04	-4.73
		3.530 to 3.575	-39.93	-40.22	-40.02	-39.84	-37.04	-2.80
		3.575 to 3.584	-40.43	-40.36	-40.31	-40.18	-25.04	-15.14
		3.584 to 3.585	-39.00	-38.80	-38.59	-38.75	-25.04	-13.55
		3.665 to 3.666	-39.49	-39.42	-39.33	-39.16	-25.04	-14.11
		3.666 to 3.675	-40.39	-40.42	-40.53	-40.30	-25.04	-15.26
	11	3.675 to 3.720	-40.90	-40.82	-40.92	-40.88	-37.04	-3.78
		3.530 to 3.575	-40.39	-40.62	-40.29	-40.41	-37.04	-3.25
		3.575 to 3.584	-40.77	-40.38	-40.36	-40.83	-25.04	-15.32
		3.584 to 3.585	-39.09	-38.93	-38.96	-39.00	-25.04	-13.89
		3.665 to 3.666	-39.49	-39.61	-39.64	-39.63	-25.04	-14.44
		3.666 to 3.675	-40.97	-40.67	-40.83	-40.92	-25.04	-15.63
	12	3.675 to 3.720	-41.46	-41.17	-41.35	-41.32	-37.04	-4.13
		3.530 to 3.575	-41.28	-41.38	-41.07	-41.34	-37.04	-4.03
		3.575 to 3.584	-41.16	-41.19	-40.92	-41.13	-25.04	-15.88
		3.584 to 3.585	-39.26	-39.72	-39.69	-39.47	-25.04	-14.22
		3.665 to 3.666	-40.19	-40.20	-39.83	-39.71	-25.04	-14.67
		3.666 to 3.675	-41.20	-41.03	-41.03	-41.03	-25.04	-15.99
	13	3.675 to 3.720	-41.34	-41.14	-41.23	-41.25	-37.04	-4.10
		3.530 to 3.575	-40.36	-40.41	-40.38	-40.41	-37.04	-3.32
		3.575 to 3.584	-41.07	-40.41	-40.96	-41.08	-25.04	-15.37
		3.584 to 3.585	-39.13	-39.23	-39.61	-38.72	-25.04	-13.67
		3.665 to 3.666	-39.99	-39.58	-39.58	-39.45	-25.04	-14.40
		3.666 to 3.675	-40.96	-40.94	-40.81	-41.02	-25.04	-15.77
		3.675 to 3.720	-41.47	-41.41	-41.34	-41.46	-37.04	-4.30

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (121) / (223) pages

	14	3.530 to 3.575	-40.30	-40.57	-40.36	-40.33	-37.04	-3.26
		3.575 to 3.584	-40.65	-40.60	-40.88	-40.91	-25.04	-15.56
		3.584 to 3.585	-39.44	-38.75	-39.24	-39.09	-25.04	-13.70
		3.665 to 3.666	-40.11	-39.18	-39.90	-39.80	-25.04	-14.14
		3.666 to 3.675	-40.91	-40.82	-40.59	-40.90	-25.04	-15.55
	15	3.675 to 3.720	-41.42	-41.36	-41.23	-41.45	-37.04	-4.19
		3.530 to 3.575	-41.82	-42.16	-42.03	-41.96	-37.04	-4.78
		3.575 to 3.584	-41.79	-41.97	-41.86	-41.96	-25.04	-16.75
		3.584 to 3.585	-39.71	-40.15	-40.30	-40.07	-25.04	-14.66
		3.665 to 3.666	-40.99	-40.26	-41.00	-40.41	-25.04	-15.22
	High	3.666 to 3.675	-42.12	-41.91	-41.65	-42.03	-25.04	-16.61
		3.675 to 3.720	-42.77	-42.58	-42.56	-42.72	-37.04	-5.52
	0	3.530 to 3.610	-40.43	-40.49	-40.55	-40.30	-37.04	-3.26
		3.610 to 3.619	-39.84	-39.88	-39.62	-38.86	-25.04	-13.82
		3.619 to 3.620	-38.81	-38.94	-38.99	-38.78	-25.04	-13.74
		3.700 to 3.701	-39.58	-39.84	-39.98	-40.11	-25.04	-14.54
		3.701 to 3.710	-41.08	-41.01	-40.94	-40.94	-25.04	-15.90
	1	3.710 to 3.720	-40.91	-40.93	-40.93	-40.97	-37.04	-3.87
		3.530 to 3.610	-41.52	-41.25	-41.20	-40.86	-37.04	-3.82
		3.610 to 3.619	-39.84	-40.24	-39.85	-39.62	-25.04	-14.58
		3.619 to 3.620	-39.35	-39.34	-39.29	-39.06	-25.04	-14.02
		3.700 to 3.701	-40.52	-40.16	-40.00	-40.00	-25.04	-14.96
	2	3.701 to 3.710	-41.48	-41.15	-41.33	-41.28	-25.04	-16.11
		3.710 to 3.720	-41.55	-41.45	-41.41	-41.49	-37.04	-4.37
		3.530 to 3.610	-40.20	-39.87	-40.21	-40.10	-37.04	-2.83
		3.610 to 3.619	-38.97	-39.36	-38.76	-39.20	-25.04	-13.72
		3.619 to 3.620	-39.03	-38.65	-38.85	-38.55	-25.04	-13.51
	3	3.700 to 3.701	-39.80	-39.48	-39.65	-39.70	-25.04	-14.44
		3.701 to 3.710	-40.65	-40.44	-40.51	-40.64	-25.04	-15.40
		3.710 to 3.720	-40.66	-40.69	-40.46	-40.71	-37.04	-3.42
		3.530 to 3.610	-40.93	-40.84	-41.03	-40.84	-37.04	-3.80
		3.610 to 3.619	-40.11	-39.43	-39.49	-39.69	-25.04	-14.39
	4	3.619 to 3.620	-39.24	-39.43	-38.97	-39.26	-25.04	-13.93
		3.700 to 3.701	-40.20	-39.91	-40.18	-40.00	-25.04	-14.87
		3.701 to 3.710	-41.37	-41.31	-41.18	-41.24	-25.04	-16.14
		3.710 to 3.720	-41.38	-41.37	-41.21	-41.23	-37.04	-4.17
		3.530 to 3.610	-40.59	-40.35	-40.67	-40.53	-37.04	-3.31
	5	3.610 to 3.619	-39.12	-39.32	-39.11	-39.00	-25.04	-13.96
		3.619 to 3.620	-38.61	-38.92	-39.01	-39.13	-25.04	-13.57
		3.700 to 3.701	-40.49	-40.31	-39.86	-39.99	-25.04	-14.82
		3.701 to 3.710	-41.09	-41.18	-41.20	-41.14	-25.04	-16.05
		3.710 to 3.720	-41.38	-41.29	-41.21	-41.18	-37.04	-4.14
	6	3.530 to 3.610	-40.78	-40.95	-40.88	-40.83	-37.04	-3.74
		3.610 to 3.619	-39.74	-39.69	-39.94	-39.70	-25.04	-14.65
		3.619 to 3.620	-39.33	-39.44	-38.76	-39.15	-25.04	-13.72
		3.700 to 3.701	-40.40	-40.12	-40.08	-40.23	-25.04	-15.04
		3.701 to 3.710	-41.40	-41.23	-41.18	-41.17	-25.04	-16.13
	7	3.710 to 3.720	-41.40	-41.21	-41.23	-41.27	-37.04	-4.17
		3.530 to 3.610	-40.23	-40.37	-40.23	-40.27	-37.04	-3.19
		3.610 to 3.619	-39.31	-38.85	-38.85	-38.72	-25.04	-13.68
		3.619 to 3.620	-38.54	-38.88	-38.32	-38.59	-25.04	-13.27
		3.700 to 3.701	-40.02	-39.69	-40.11	-39.94	-25.04	-14.64
	8	3.701 to 3.710	-41.10	-40.89	-40.86	-40.73	-25.04	-15.69
		3.710 to 3.720	-41.07	-40.91	-40.86	-40.74	-37.04	-3.70
		3.530 to 3.610	-40.58	-40.75	-40.58	-40.26	-37.04	-3.22
		3.610 to 3.619	-39.73	-39.17	-39.89	-39.37	-25.04	-14.13
		3.619 to 3.620	-39.08	-38.82	-38.97	-38.53	-25.04	-13.49
		3.700 to 3.701	-40.05	-39.40	-39.43	-39.43	-25.04	-14.36
		3.701 to 3.710	-40.92	-40.65	-40.71	-40.74	-25.04	-15.61
		3.710 to 3.720	-40.79	-40.89	-40.81	-40.78	-37.04	-3.74
		3.530 to 3.610	-39.91	-39.84	-40.00	-39.80	-37.04	-2.76



CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (122) / (223) pages

		3.610 to 3.619	-38.77	-39.21	-39.18	-38.39	-25.04	-13.35
		3.619 to 3.620	-38.78	-38.74	-38.25	-38.19	-25.04	-13.15
		3.700 to 3.701	-39.52	-39.31	-39.40	-39.65	-25.04	-14.27
		3.701 to 3.710	-40.69	-40.74	-40.62	-40.70	-25.04	-15.58
9		3.710 to 3.720	-40.72	-40.65	-40.53	-40.70	-37.04	-3.49
		3.530 to 3.610	-41.21	-41.33	-41.16	-41.07	-37.04	-4.03
		3.610 to 3.619	-40.04	-40.47	-40.00	-39.55	-25.04	-14.51
		3.619 to 3.620	-39.65	-39.14	-39.59	-39.38	-25.04	-14.10
		3.700 to 3.701	-40.57	-40.53	-40.87	-40.36	-25.04	-15.32
		3.701 to 3.710	-41.61	-41.56	-41.47	-41.54	-25.04	-16.43
10		3.710 to 3.720	-41.68	-41.73	-41.75	-41.79	-37.04	-4.64
		3.530 to 3.610	-40.19	-40.30	-39.96	-39.91	-37.04	-2.87
		3.610 to 3.619	-38.83	-39.21	-38.91	-38.99	-25.04	-13.79
		3.619 to 3.620	-38.79	-38.43	-38.74	-38.50	-25.04	-13.39
		3.700 to 3.701	-39.82	-39.48	-39.46	-39.29	-25.04	-14.25
		3.701 to 3.710	-40.78	-40.68	-40.64	-40.77	-25.04	-15.60
11		3.710 to 3.720	-40.72	-40.64	-40.53	-40.64	-37.04	-3.49
		3.530 to 3.610	-40.38	-40.68	-40.25	-40.44	-37.04	-3.21
		3.610 to 3.619	-39.59	-39.04	-39.48	-39.18	-25.04	-14.00
		3.619 to 3.620	-38.68	-38.72	-38.95	-39.21	-25.04	-13.64
		3.700 to 3.701	-40.18	-39.56	-40.17	-39.94	-25.04	-14.52
		3.701 to 3.710	-41.09	-40.70	-41.06	-41.09	-25.04	-15.66
12		3.710 to 3.720	-41.10	-41.10	-41.09	-40.86	-37.04	-3.82
		3.530 to 3.610	-41.03	-41.21	-40.63	-40.99	-37.04	-3.59
		3.610 to 3.619	-39.34	-39.84	-39.46	-39.51	-25.04	-14.30
		3.619 to 3.620	-39.35	-38.99	-39.29	-39.32	-25.04	-13.95
		3.700 to 3.701	-40.43	-40.04	-40.41	-40.05	-25.04	-15.00
		3.701 to 3.710	-41.18	-41.32	-41.25	-41.34	-25.04	-16.14
13		3.710 to 3.720	-41.55	-41.42	-41.44	-41.37	-37.04	-4.33
		3.530 to 3.610	-40.41	-40.76	-40.18	-40.04	-37.04	-3.00
		3.610 to 3.619	-39.21	-39.59	-39.79	-39.03	-25.04	-13.99
		3.619 to 3.620	-39.33	-38.71	-39.44	-38.41	-25.04	-13.37
		3.700 to 3.701	-39.88	-39.86	-40.32	-39.91	-25.04	-14.82
		3.701 to 3.710	-40.86	-40.91	-40.87	-40.98	-25.04	-15.82
14		3.710 to 3.720	-41.13	-41.08	-40.95	-40.96	-37.04	-3.91
		3.530 to 3.610	-40.64	-40.71	-40.41	-40.38	-37.04	-3.34
		3.610 to 3.619	-39.78	-39.30	-39.35	-39.66	-25.04	-14.26
		3.619 to 3.620	-38.61	-38.96	-38.99	-38.79	-25.04	-13.57
		3.700 to 3.701	-40.08	-39.97	-40.24	-39.62	-25.04	-14.58
		3.701 to 3.710	-41.04	-40.91	-40.97	-40.96	-25.04	-15.87
15		3.710 to 3.720	-40.96	-40.93	-40.94	-41.04	-37.04	-3.89
		3.530 to 3.610	-41.57	-41.86	-41.73	-41.31	-37.04	-4.27
		3.610 to 3.619	-40.69	-40.36	-40.43	-40.38	-25.04	-15.32
		3.619 to 3.620	-40.28	-39.73	-39.90	-39.84	-25.04	-14.69
		3.700 to 3.701	-41.28	-41.06	-40.55	-41.21	-25.04	-15.51
		3.701 to 3.710	-42.39	-42.29	-42.16	-42.11	-25.04	-17.07
		3.710 to 3.720	-42.54	-42.31	-42.59	-42.39	-37.04	-5.27

Table 8-41. Channel Edge Emission Summary Data (n48_1C_80M)

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (123) / (223) pages

Ch.	Port	Measured Range (GHz)	Max. Value (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Non-Conti	0	3.530 to 3.540	-47.25	-47.10	-37.04	-10.06
		3.540 to 3.549	-40.94	-41.24	-25.04	-15.90
		3.549 to 3.550	-46.31	-46.04	-25.04	-21.00
		3.570 to 3.571	-39.84	-39.12	-25.04	-14.08
		3.571 to 3.580	-40.42	-40.71	-25.04	-15.38
		3.580 to 3.660	-39.36	-38.95	-37.04	-1.91
		3.660 to 3.669	-40.74	-40.72	-25.04	-15.68
		3.669 to 3.670	-35.49	-34.71	-25.04	-9.67
		3.700 to 3.701	-34.70	-35.43	-25.04	-9.66
		3.701 to 3.710	-40.97	-41.05	-25.04	-15.93
	1	3.710 to 3.720	-41.07	-41.12	-37.04	-4.03
		3.530 to 3.540	-47.48	-47.36	-37.04	-10.32
		3.540 to 3.549	-42.14	-42.06	-25.04	-17.02
		3.549 to 3.550	-46.78	-46.34	-25.04	-21.30
		3.570 to 3.571	-39.38	-36.43	-25.04	-11.39
		3.571 to 3.580	-41.30	-41.49	-25.04	-16.26
		3.580 to 3.660	-39.82	-39.53	-37.04	-2.49
		3.660 to 3.669	-40.91	-40.80	-25.04	-15.76
		3.669 to 3.670	-35.30	-35.24	-25.04	-10.20
		3.700 to 3.701	-35.47	-34.53	-25.04	-9.49
	2	3.701 to 3.710	-41.22	-41.17	-25.04	-16.13
		3.710 to 3.720	-41.65	-41.65	-37.04	-4.61
		3.530 to 3.540	-46.23	-46.28	-37.04	-9.19
		3.540 to 3.549	-41.14	-40.83	-25.04	-15.79
		3.549 to 3.550	-45.79	-45.62	-25.04	-20.58
		3.570 to 3.571	-38.97	-38.95	-25.04	-13.91
		3.571 to 3.580	-40.26	-40.26	-25.04	-15.22
		3.580 to 3.660	-38.96	-38.85	-37.04	-1.81
		3.660 to 3.669	-40.01	-40.05	-25.04	-14.97
		3.669 to 3.670	-34.09	-33.80	-25.04	-8.76
	3	3.700 to 3.701	-34.52	-34.04	-25.04	-9.00
		3.701 to 3.710	-40.55	-40.59	-25.04	-15.51
		3.710 to 3.720	-40.73	-40.68	-37.04	-3.64
		3.530 to 3.540	-47.95	-47.90	-37.04	-10.86
		3.540 to 3.549	-41.66	-42.16	-25.04	-16.62
		3.549 to 3.550	-47.09	-46.02	-25.04	-20.98
		3.570 to 3.571	-39.53	-37.96	-25.04	-12.92
		3.571 to 3.580	-41.36	-41.12	-25.04	-16.08
		3.580 to 3.660	-39.70	-39.45	-37.04	-2.41
		3.660 to 3.669	-40.62	-40.85	-25.04	-15.58
	4	3.669 to 3.670	-35.46	-33.85	-25.04	-8.81
		3.700 to 3.701	-34.13	-34.61	-25.04	-9.09
		3.701 to 3.710	-41.10	-41.25	-25.04	-16.06
		3.710 to 3.720	-41.26	-41.49	-37.04	-4.22
		3.530 to 3.540	-46.15	-46.44	-37.04	-9.11
		3.540 to 3.549	-41.07	-41.75	-25.04	-16.03
		3.549 to 3.550	-46.32	-46.59	-25.04	-21.28
		3.570 to 3.571	-39.32	-39.48	-25.04	-14.28
		3.571 to 3.580	-40.69	-40.62	-25.04	-15.58
		3.580 to 3.660	-39.58	-39.23	-37.04	-2.19
	5	3.660 to 3.669	-40.59	-40.98	-25.04	-15.55
		3.669 to 3.670	-35.93	-34.84	-25.04	-9.80
		3.700 to 3.701	-34.61	-35.24	-25.04	-9.57
		3.701 to 3.710	-41.20	-41.23	-25.04	-16.16
		3.710 to 3.720	-41.48	-41.29	-37.04	-4.25
		3.530 to 3.540	-48.77	-48.56	-37.04	-11.52
		3.540 to 3.549	-41.41	-41.15	-25.04	-16.11
		3.549 to 3.550	-46.62	-46.61	-25.04	-21.57

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (124) / (223) pages

		3.570 to 3.571	-39.08	-39.32	-25.04	-14.04
		3.571 to 3.580	-41.01	-41.39	-25.04	-15.97
		3.580 to 3.660	-39.91	-39.36	-37.04	-2.32
		3.660 to 3.669	-40.94	-40.82	-25.04	-15.78
		3.669 to 3.670	-35.66	-35.57	-25.04	-10.53
		3.700 to 3.701	-34.92	-35.95	-25.04	-9.88
		3.701 to 3.710	-41.06	-41.30	-25.04	-16.02
	6	3.710 to 3.720	-41.48	-41.41	-37.04	-4.37
		3.530 to 3.540	-47.86	-47.34	-37.04	-10.30
		3.540 to 3.549	-41.75	-40.68	-25.04	-15.64
		3.549 to 3.550	-46.32	-45.83	-25.04	-20.79
		3.570 to 3.571	-38.16	-39.37	-25.04	-13.12
		3.571 to 3.580	-40.56	-40.14	-25.04	-15.10
		3.580 to 3.660	-39.22	-38.70	-37.04	-1.66
		3.660 to 3.669	-40.44	-40.33	-25.04	-15.29
		3.669 to 3.670	-34.08	-35.44	-25.04	-9.04
		3.700 to 3.701	-34.53	-32.47	-25.04	-7.43
	7	3.701 to 3.710	-40.86	-40.83	-25.04	-15.79
		3.710 to 3.720	-41.08	-41.12	-37.04	-4.04
		3.530 to 3.540	-47.15	-47.50	-37.04	-10.11
		3.540 to 3.549	-41.61	-41.16	-25.04	-16.12
		3.549 to 3.550	-46.19	-46.03	-25.04	-20.99
		3.570 to 3.571	-38.67	-38.78	-25.04	-13.63
		3.571 to 3.580	-41.16	-40.71	-25.04	-15.67
		3.580 to 3.660	-39.38	-39.55	-37.04	-2.34
		3.660 to 3.669	-40.44	-40.46	-25.04	-15.40
		3.669 to 3.670	-35.74	-35.58	-25.04	-10.54
	8	3.700 to 3.701	-35.22	-33.59	-25.04	-8.55
		3.701 to 3.710	-40.72	-40.79	-25.04	-15.68
		3.710 to 3.720	-41.12	-41.01	-37.04	-3.97
		3.530 to 3.540	-46.48	-46.64	-37.04	-9.44
		3.540 to 3.549	-41.22	-40.50	-25.04	-15.46
		3.549 to 3.550	-46.42	-46.24	-25.04	-21.20
		3.570 to 3.571	-38.68	-38.49	-25.04	-13.45
		3.571 to 3.580	-40.55	-40.12	-25.04	-15.08
		3.580 to 3.660	-38.73	-38.95	-37.04	-1.69
		3.660 to 3.669	-40.23	-40.14	-25.04	-15.10
	9	3.669 to 3.670	-35.27	-33.45	-25.04	-8.41
		3.700 to 3.701	-34.61	-34.34	-25.04	-9.30
		3.701 to 3.710	-40.61	-40.58	-25.04	-15.54
		3.710 to 3.720	-40.80	-40.68	-37.04	-3.64
		3.530 to 3.540	-47.41	-47.51	-37.04	-10.37
		3.540 to 3.549	-41.47	-41.35	-25.04	-16.31
		3.549 to 3.550	-47.31	-47.00	-25.04	-21.96
		3.570 to 3.571	-37.80	-38.72	-25.04	-12.76
		3.571 to 3.580	-41.47	-41.06	-25.04	-16.02
		3.580 to 3.660	-39.59	-40.10	-37.04	-2.55
	10	3.660 to 3.669	-41.50	-41.28	-25.04	-16.24
		3.669 to 3.670	-36.95	-34.18	-25.04	-9.14
		3.700 to 3.701	-34.37	-35.39	-25.04	-9.33
		3.701 to 3.710	-41.54	-41.72	-25.04	-16.50
		3.710 to 3.720	-42.04	-41.79	-37.04	-4.75
		3.530 to 3.540	-44.65	-44.56	-37.04	-7.52
		3.540 to 3.549	-40.53	-40.87	-25.04	-15.49
		3.549 to 3.550	-45.63	-45.19	-25.04	-20.15
		3.570 to 3.571	-39.81	-38.30	-25.04	-13.26
		3.571 to 3.580	-40.42	-40.40	-25.04	-15.36
		3.580 to 3.660	-39.07	-38.60	-37.04	-1.56
		3.660 to 3.669	-40.46	-40.34	-25.04	-15.30
		3.669 to 3.670	-35.35	-34.31	-25.04	-9.27
		3.700 to 3.701	-34.30	-34.42	-25.04	-9.26

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (125) / (223) pages

		3.701 to 3.710	-40.76	-40.62	-25.04	-15.58
		3.710 to 3.720	-40.83	-40.79	-37.04	-3.75
	11	3.530 to 3.540	-46.83	-46.65	-37.04	-9.61
		3.540 to 3.549	-41.52	-41.18	-25.04	-16.14
		3.549 to 3.550	-46.74	-46.08	-25.04	-21.04
		3.570 to 3.571	-39.13	-39.77	-25.04	-14.09
		3.571 to 3.580	-40.78	-40.86	-25.04	-15.74
		3.580 to 3.660	-39.09	-39.23	-37.04	-2.05
		3.660 to 3.669	-40.60	-40.61	-25.04	-15.56
		3.669 to 3.670	-35.95	-35.58	-25.04	-10.54
		3.700 to 3.701	-34.85	-35.69	-25.04	-9.81
		3.701 to 3.710	-40.81	-41.09	-25.04	-15.77
		3.710 to 3.720	-41.31	-41.33	-37.04	-4.27
	12	3.530 to 3.540	-47.92	-48.14	-37.04	-10.88
		3.540 to 3.549	-42.79	-41.79	-25.04	-16.75
		3.549 to 3.550	-47.24	-46.76	-25.04	-21.72
		3.570 to 3.571	-38.62	-40.59	-25.04	-13.58
		3.571 to 3.580	-41.46	-41.13	-25.04	-16.09
		3.580 to 3.660	-39.86	-39.98	-37.04	-2.82
		3.660 to 3.669	-41.03	-41.07	-25.04	-15.99
		3.669 to 3.670	-36.25	-34.40	-25.04	-9.36
		3.700 to 3.701	-35.03	-34.40	-25.04	-9.36
		3.701 to 3.710	-41.36	-41.28	-25.04	-16.24
		3.710 to 3.720	-41.63	-41.56	-37.04	-4.52
	13	3.530 to 3.540	-48.18	-48.01	-37.04	-10.97
		3.540 to 3.549	-41.69	-41.91	-25.04	-16.65
		3.549 to 3.550	-46.22	-46.67	-25.04	-21.18
		3.570 to 3.571	-39.12	-37.98	-25.04	-12.94
		3.571 to 3.580	-40.92	-40.74	-25.04	-15.70
		3.580 to 3.660	-39.59	-39.20	-37.04	-2.16
		3.660 to 3.669	-40.74	-40.88	-25.04	-15.70
		3.669 to 3.670	-35.13	-35.03	-25.04	-9.99
		3.700 to 3.701	-35.20	-34.65	-25.04	-9.61
		3.701 to 3.710	-40.84	-41.16	-25.04	-15.80
		3.710 to 3.720	-41.06	-41.36	-37.04	-4.02
	14	3.530 to 3.540	-47.38	-47.67	-37.04	-10.34
		3.540 to 3.549	-42.01	-41.73	-25.04	-16.69
		3.549 to 3.550	-46.74	-45.60	-25.04	-20.56
		3.570 to 3.571	-39.47	-40.12	-25.04	-14.43
		3.571 to 3.580	-40.91	-40.69	-25.04	-15.65
		3.580 to 3.660	-39.77	-39.51	-37.04	-2.47
		3.660 to 3.669	-40.70	-40.60	-25.04	-15.56
		3.669 to 3.670	-34.92	-34.90	-25.04	-9.86
		3.700 to 3.701	-34.53	-34.67	-25.04	-9.49
		3.701 to 3.710	-41.20	-41.15	-25.04	-16.11
		3.710 to 3.720	-41.34	-41.22	-37.04	-4.18
	15	3.530 to 3.540	-46.62	-46.74	-37.04	-9.58
		3.540 to 3.549	-41.92	-41.37	-25.04	-16.33
		3.549 to 3.550	-47.03	-47.33	-25.04	-21.99
		3.570 to 3.571	-39.98	-39.62	-25.04	-14.58
		3.571 to 3.580	-41.78	-41.91	-25.04	-16.74
		3.580 to 3.660	-41.15	-40.64	-37.04	-3.60
		3.660 to 3.669	-41.54	-41.86	-25.04	-16.50
		3.669 to 3.670	-36.19	-35.23	-25.04	-10.19
		3.700 to 3.701	-35.19	-35.25	-25.04	-10.15
		3.701 to 3.710	-41.99	-42.05	-25.04	-16.95
		3.710 to 3.720	-42.87	-42.80	-37.04	-5.76

Table 8-42. Channel Edge Emission Summary Data (n48_2NC_20M+30M)

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (126) / (223) pages

Ch.	Port	Measured Range (GHz)	Max. Value (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Non-Conti	0	3.530 to 3.540	-47.04	-47.15	-37.04	-10.00
		3.540 to 3.549	-39.62	-38.93	-25.04	-13.89
		3.549 to 3.550	-46.08	-46.25	-25.04	-21.04
		3.560 to 3.561	-37.56	-35.77	-25.04	-10.73
		3.561 to 3.570	-39.27	-39.97	-25.04	-14.23
		3.570 to 3.575	-40.85	-41.05	-37.04	-3.81
		3.575 to 3.584	-39.36	-39.15	-25.04	-14.11
		3.584 to 3.585	-38.71	-36.01	-25.04	-10.97
		3.595 to 3.596	-37.23	-36.49	-25.04	-11.45
		3.596 to 3.605	-38.36	-38.34	-25.04	-13.30
		3.605 to 3.610	-40.28	-40.34	-37.04	-3.24
		3.610 to 3.619	-38.69	-38.45	-25.04	-13.41
		3.619 to 3.620	-39.84	-37.56	-25.04	-12.52
		3.630 to 3.631	-35.38	-36.08	-25.04	-10.34
		3.631 to 3.640	-38.80	-38.60	-25.04	-13.56
		3.640 to 3.650	-40.85	-40.77	-37.04	-3.73
		3.650 to 3.659	-40.79	-40.65	-25.04	-15.61
		3.659 to 3.660	-30.75	-30.01	-25.04	-4.97
		3.700 to 3.701	-30.88	-29.11	-25.04	-4.07
		3.701 to 3.710	-41.21	-40.96	-25.04	-15.92
		3.710 to 3.720	-41.31	-41.17	-37.04	-4.13
	1	3.530 to 3.540	-47.41	-47.35	-37.04	-10.31
		3.540 to 3.549	-39.63	-40.40	-25.04	-14.59
		3.549 to 3.550	-47.01	-46.93	-25.04	-21.89
		3.560 to 3.561	-37.00	-37.12	-25.04	-11.96
		3.561 to 3.570	-40.28	-40.04	-25.04	-15.00
		3.570 to 3.575	-41.87	-41.78	-37.04	-4.74
		3.575 to 3.584	-39.58	-39.84	-25.04	-14.54
		3.584 to 3.585	-36.96	-36.89	-25.04	-11.85
		3.595 to 3.596	-35.82	-36.03	-25.04	-10.78
		3.596 to 3.605	-38.54	-38.66	-25.04	-13.50
		3.605 to 3.610	-41.33	-41.12	-37.04	-4.08
		3.610 to 3.619	-40.04	-39.73	-25.04	-14.69
		3.619 to 3.620	-38.52	-40.02	-25.04	-13.48
		3.630 to 3.631	-33.89	-35.93	-25.04	-8.85
		3.631 to 3.640	-38.69	-38.76	-25.04	-13.65
		3.640 to 3.650	-41.26	-41.15	-37.04	-4.11
		3.650 to 3.659	-41.10	-40.85	-25.04	-15.81
		3.659 to 3.660	-29.24	-28.67	-25.04	-3.63
		3.700 to 3.701	-31.28	-29.93	-25.04	-4.89
		3.701 to 3.710	-41.44	-41.46	-25.04	-16.40
		3.710 to 3.720	-41.82	-41.75	-37.04	-4.71
	2	3.530 to 3.540	-46.41	-46.04	-37.04	-9.00
		3.540 to 3.549	-39.15	-38.32	-25.04	-13.28
		3.549 to 3.550	-45.50	-45.65	-25.04	-20.46
		3.560 to 3.561	-36.98	-36.60	-25.04	-11.56
		3.561 to 3.570	-38.96	-39.52	-25.04	-13.92
		3.570 to 3.575	-40.50	-40.58	-37.04	-3.46
		3.575 to 3.584	-38.35	-38.88	-25.04	-13.31
		3.584 to 3.585	-37.55	-37.31	-25.04	-12.27
		3.595 to 3.596	-35.79	-37.43	-25.04	-10.75
		3.596 to 3.605	-38.06	-38.19	-25.04	-13.02
		3.605 to 3.610	-40.19	-40.01	-37.04	-2.97
		3.610 to 3.619	-38.37	-37.47	-25.04	-12.43
		3.619 to 3.620	-39.11	-37.89	-25.04	-12.85
		3.630 to 3.631	-35.09	-34.90	-25.04	-9.86
		3.631 to 3.640	-37.94	-37.85	-25.04	-12.81
		3.640 to 3.650	-40.31	-40.23	-37.04	-3.19

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (127) / (223) pages

		3.650 to 3.659	-40.20	-39.95	-25.04	-14.91
		3.659 to 3.660	-29.98	-29.86	-25.04	-4.82
		3.700 to 3.701	-30.43	-30.36	-25.04	-5.32
		3.701 to 3.710	-40.77	-40.56	-25.04	-15.52
3		3.710 to 3.720	-40.71	-40.80	-37.04	-3.67
		3.530 to 3.540	-47.96	-47.93	-37.04	-10.89
		3.540 to 3.549	-39.69	-39.77	-25.04	-14.65
		3.549 to 3.550	-46.26	-46.25	-25.04	-21.21
		3.560 to 3.561	-36.50	-37.87	-25.04	-11.46
		3.561 to 3.570	-39.89	-39.79	-25.04	-14.75
		3.570 to 3.575	-41.45	-41.37	-37.04	-4.33
		3.575 to 3.584	-39.12	-39.12	-25.04	-14.08
		3.584 to 3.585	-38.17	-39.45	-25.04	-13.13
		3.595 to 3.596	-35.84	-35.47	-25.04	-10.43
		3.596 to 3.605	-38.53	-38.59	-25.04	-13.49
		3.605 to 3.610	-41.15	-41.06	-37.04	-4.02
		3.610 to 3.619	-39.60	-39.08	-25.04	-14.04
		3.619 to 3.620	-39.43	-38.75	-25.04	-13.71
		3.630 to 3.631	-33.44	-35.20	-25.04	-8.40
		3.631 to 3.640	-38.14	-38.25	-25.04	-13.10
		3.640 to 3.650	-41.21	-41.07	-37.04	-4.03
		3.650 to 3.659	-40.88	-40.49	-25.04	-15.45
		3.659 to 3.660	-28.45	-29.34	-25.04	-3.41
		3.700 to 3.701	-29.85	-30.06	-25.04	-4.81
		3.701 to 3.710	-41.28	-41.25	-25.04	-16.21
		3.710 to 3.720	-41.62	-41.48	-37.04	-4.44
4		3.530 to 3.540	-46.39	-46.25	-37.04	-9.21
		3.540 to 3.549	-39.61	-39.06	-25.04	-14.02
		3.549 to 3.550	-45.25	-46.22	-25.04	-20.21
		3.560 to 3.561	-37.79	-37.27	-25.04	-12.23
		3.561 to 3.570	-39.60	-39.65	-25.04	-14.56
		3.570 to 3.575	-41.07	-40.88	-37.04	-3.84
		3.575 to 3.584	-38.59	-38.62	-25.04	-13.55
		3.584 to 3.585	-38.01	-38.25	-25.04	-12.97
		3.595 to 3.596	-36.33	-35.20	-25.04	-10.16
		3.596 to 3.605	-38.25	-38.01	-25.04	-12.97
		3.605 to 3.610	-40.49	-40.68	-37.04	-3.45
		3.610 to 3.619	-38.46	-38.05	-25.04	-13.01
		3.619 to 3.620	-37.74	-38.70	-25.04	-12.70
		3.630 to 3.631	-35.22	-35.67	-25.04	-10.18
		3.631 to 3.640	-38.13	-38.08	-25.04	-13.04
		3.640 to 3.650	-40.90	-40.75	-37.04	-3.71
		3.650 to 3.659	-40.42	-40.52	-25.04	-15.38
		3.659 to 3.660	-27.81	-30.40	-25.04	-2.77
		3.700 to 3.701	-31.84	-29.18	-25.04	-4.14
		3.701 to 3.710	-41.38	-41.27	-25.04	-16.23
		3.710 to 3.720	-41.55	-41.58	-37.04	-4.51
5		3.530 to 3.540	-48.77	-48.39	-37.04	-11.35
		3.540 to 3.549	-40.56	-39.21	-25.04	-14.17
		3.549 to 3.550	-46.55	-46.47	-25.04	-21.43
		3.560 to 3.561	-37.45	-37.91	-25.04	-12.41
		3.561 to 3.570	-40.28	-39.94	-25.04	-14.90
		3.570 to 3.575	-41.45	-41.46	-37.04	-4.41
		3.575 to 3.584	-39.38	-39.15	-25.04	-14.11
		3.584 to 3.585	-37.11	-37.33	-25.04	-12.07
		3.595 to 3.596	-36.61	-37.63	-25.04	-11.57
		3.596 to 3.605	-38.28	-38.59	-25.04	-13.24
		3.605 to 3.610	-40.86	-40.97	-37.04	-3.82
		3.610 to 3.619	-38.35	-39.36	-25.04	-13.31
		3.619 to 3.620	-39.22	-38.26	-25.04	-13.22
		3.630 to 3.631	-35.42	-35.53	-25.04	-10.38

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (128) / (223) pages

	6	3.631 to 3.640	-38.45	-38.48	-25.04	-13.41
		3.640 to 3.650	-40.98	-40.87	-37.04	-3.83
		3.650 to 3.659	-40.86	-40.76	-25.04	-15.72
		3.659 to 3.660	-29.74	-28.69	-25.04	-3.65
		3.700 to 3.701	-29.65	-29.87	-25.04	-4.61
		3.701 to 3.710	-41.30	-41.21	-25.04	-16.17
		3.710 to 3.720	-41.66	-41.61	-37.04	-4.57
		3.530 to 3.540	-47.53	-47.11	-37.04	-10.07
		3.540 to 3.549	-39.16	-39.57	-25.04	-14.12
		3.549 to 3.550	-46.01	-45.87	-25.04	-20.83
		3.560 to 3.561	-35.25	-37.11	-25.04	-10.21
		3.561 to 3.570	-39.72	-39.67	-25.04	-14.63
		3.570 to 3.575	-40.73	-40.79	-37.04	-3.69
		3.575 to 3.584	-38.87	-38.30	-25.04	-13.26
		3.584 to 3.585	-37.88	-37.22	-25.04	-12.18
		3.595 to 3.596	-36.55	-35.73	-25.04	-10.69
		3.596 to 3.605	-37.85	-37.76	-25.04	-12.72
		3.605 to 3.610	-40.43	-40.28	-37.04	-3.24
		3.610 to 3.619	-38.27	-37.62	-25.04	-12.58
		3.619 to 3.620	-36.54	-38.45	-25.04	-11.50
		3.630 to 3.631	-33.32	-33.93	-25.04	-8.28
	7	3.631 to 3.640	-37.92	-37.86	-25.04	-12.82
		3.640 to 3.650	-40.56	-40.43	-37.04	-3.39
		3.650 to 3.659	-40.32	-40.21	-25.04	-15.17
		3.659 to 3.660	-28.88	-28.32	-25.04	-3.28
		3.700 to 3.701	-29.88	-30.13	-25.04	-4.84
		3.701 to 3.710	-40.89	-40.86	-25.04	-15.82
		3.710 to 3.720	-41.29	-41.39	-37.04	-4.25
		3.530 to 3.540	-47.31	-47.60	-37.04	-10.27
		3.540 to 3.549	-39.46	-39.39	-25.04	-14.35
		3.549 to 3.550	-46.25	-46.20	-25.04	-21.16
		3.560 to 3.561	-36.96	-37.28	-25.04	-11.92
		3.561 to 3.570	-39.75	-39.69	-25.04	-14.65
		3.570 to 3.575	-41.37	-41.30	-37.04	-4.26
		3.575 to 3.584	-39.02	-39.07	-25.04	-13.98
		3.584 to 3.585	-36.84	-35.67	-25.04	-10.63
		3.595 to 3.596	-35.07	-37.05	-25.04	-10.03
		3.596 to 3.605	-38.10	-38.12	-25.04	-13.06
		3.605 to 3.610	-40.51	-40.36	-37.04	-3.32
		3.610 to 3.619	-39.64	-37.84	-25.04	-12.80
		3.619 to 3.620	-36.41	-38.09	-25.04	-11.37
		3.630 to 3.631	-33.46	-35.54	-25.04	-8.42
	8	3.631 to 3.640	-37.88	-37.90	-25.04	-12.84
		3.640 to 3.650	-40.70	-40.76	-37.04	-3.66
		3.650 to 3.659	-40.56	-40.15	-25.04	-15.11
		3.659 to 3.660	-28.84	-26.96	-25.04	-1.92
		3.700 to 3.701	-29.73	-30.49	-25.04	-4.69
		3.701 to 3.710	-41.03	-40.96	-25.04	-15.92
		3.710 to 3.720	-41.27	-41.40	-37.04	-4.23
		3.530 to 3.540	-46.88	-46.65	-37.04	-9.61
		3.540 to 3.549	-39.09	-39.61	-25.04	-14.05
		3.549 to 3.550	-45.30	-45.71	-25.04	-20.26
		3.560 to 3.561	-38.25	-36.59	-25.04	-11.55
		3.561 to 3.570	-39.32	-39.38	-25.04	-14.28
		3.570 to 3.575	-40.24	-40.32	-37.04	-3.20
		3.575 to 3.584	-38.36	-38.44	-25.04	-13.32
		3.584 to 3.585	-37.91	-37.15	-25.04	-12.11
		3.595 to 3.596	-36.12	-36.86	-25.04	-11.08
		3.596 to 3.605	-38.10	-37.85	-25.04	-12.81
		3.605 to 3.610	-39.77	-40.07	-37.04	-2.73
		3.610 to 3.619	-37.32	-37.02	-25.04	-11.98

**CTK Co., Ltd.**

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2025-01904
Page (129) / (223) pages

		3.619 to 3.620	-39.42	-38.48	-25.04	-13.44
		3.630 to 3.631	-34.22	-34.57	-25.04	-9.18
		3.631 to 3.640	-37.76	-38.07	-25.04	-12.72
		3.640 to 3.650	-40.17	-40.25	-37.04	-3.13
		3.650 to 3.659	-40.06	-39.93	-25.04	-14.89
		3.659 to 3.660	-29.04	-28.63	-25.04	-3.59
		3.700 to 3.701	-27.79	-29.78	-25.04	-2.75
		3.701 to 3.710	-40.85	-40.71	-25.04	-15.67
	9	3.710 to 3.720	-41.04	-40.83	-37.04	-3.79
		3.530 to 3.540	-47.57	-47.69	-37.04	-10.53
		3.540 to 3.549	-39.99	-39.51	-25.04	-14.47
		3.549 to 3.550	-46.29	-46.69	-25.04	-21.25
		3.560 to 3.561	-36.28	-37.95	-25.04	-11.24
		3.561 to 3.570	-40.38	-40.21	-25.04	-15.17
		3.570 to 3.575	-41.87	-41.68	-37.04	-4.64
		3.575 to 3.584	-39.57	-38.94	-25.04	-13.90
		3.584 to 3.585	-37.83	-37.37	-25.04	-12.33
		3.595 to 3.596	-34.69	-36.51	-25.04	-9.65
		3.596 to 3.605	-38.67	-38.76	-25.04	-13.63
		3.605 to 3.610	-41.07	-41.39	-37.04	-4.03
		3.610 to 3.619	-39.42	-38.58	-25.04	-13.54
		3.619 to 3.620	-38.84	-39.07	-25.04	-13.80
		3.630 to 3.631	-34.35	-36.34	-25.04	-9.31
		3.631 to 3.640	-38.47	-38.87	-25.04	-13.43
		3.640 to 3.650	-41.25	-41.53	-37.04	-4.21
		3.650 to 3.659	-41.21	-41.19	-25.04	-16.15
		3.659 to 3.660	-29.35	-28.03	-25.04	-2.99
		3.700 to 3.701	-29.76	-30.17	-25.04	-4.72
		3.701 to 3.710	-41.64	-41.52	-25.04	-16.48
		3.710 to 3.720	-42.14	-42.12	-37.04	-5.08
	10	3.530 to 3.540	-44.72	-44.63	-37.04	-7.59
		3.540 to 3.549	-39.84	-39.21	-25.04	-14.17
		3.549 to 3.550	-45.87	-46.02	-25.04	-20.83
		3.560 to 3.561	-35.64	-35.33	-25.04	-10.29
		3.561 to 3.570	-39.19	-39.39	-25.04	-14.15
		3.570 to 3.575	-40.48	-40.56	-37.04	-3.44
		3.575 to 3.584	-38.65	-38.78	-25.04	-13.61
		3.584 to 3.585	-37.67	-38.59	-25.04	-12.63
		3.595 to 3.596	-35.31	-36.40	-25.04	-10.27
		3.596 to 3.605	-37.88	-38.19	-25.04	-12.84
		3.605 to 3.610	-39.97	-40.14	-37.04	-2.93
		3.610 to 3.619	-37.79	-37.83	-25.04	-12.75
		3.619 to 3.620	-38.07	-39.54	-25.04	-13.03
		3.630 to 3.631	-33.60	-35.63	-25.04	-8.56
		3.631 to 3.640	-37.56	-38.58	-25.04	-12.52
		3.640 to 3.650	-40.31	-40.39	-37.04	-3.27
		3.650 to 3.659	-40.11	-40.21	-25.04	-15.07
	11	3.659 to 3.660	-28.41	-29.77	-25.04	-3.37
		3.700 to 3.701	-29.23	-29.77	-25.04	-4.19
		3.701 to 3.710	-40.45	-40.56	-25.04	-15.41
		3.710 to 3.720	-40.94	-40.94	-37.04	-3.90
		3.530 to 3.540	-46.46	-46.63	-37.04	-9.42
		3.540 to 3.549	-38.89	-38.47	-25.04	-13.43
		3.549 to 3.550	-46.35	-46.04	-25.04	-21.00
		3.560 to 3.561	-36.64	-36.85	-25.04	-11.60
		3.561 to 3.570	-39.54	-39.90	-25.04	-14.50
		3.570 to 3.575	-41.12	-41.17	-37.04	-4.08
		3.575 to 3.584	-38.59	-38.94	-25.04	-13.55
		3.584 to 3.585	-36.71	-38.05	-25.04	-11.67
		3.595 to 3.596	-35.76	-37.93	-25.04	-10.72
		3.596 to 3.605	-38.12	-38.23	-25.04	-13.08