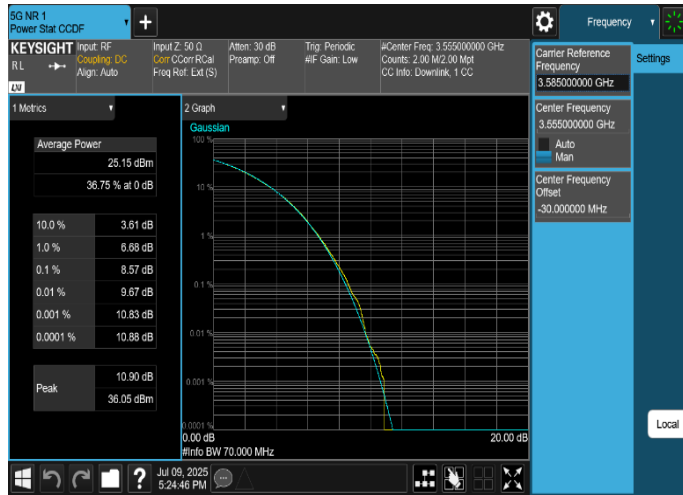




CTK Co., Ltd.

(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 (80) / (223) pages



Plot 8-43. Peak To Average Power Ratio Plot
(n48_4C_10M+10M+10M+40M_256QAM - Low Channel, Port 7)



Plot 8-44. Peak To Average Power Ratio Plot
(n48_1C_80M_64QAM - Low Channel, Port 6)



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 (81) / (223) pages

8.7 Channel Edge Emissions at Antenna Terminal

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated, and the worst case configuration results are reported in this section.

Test Procedure Used

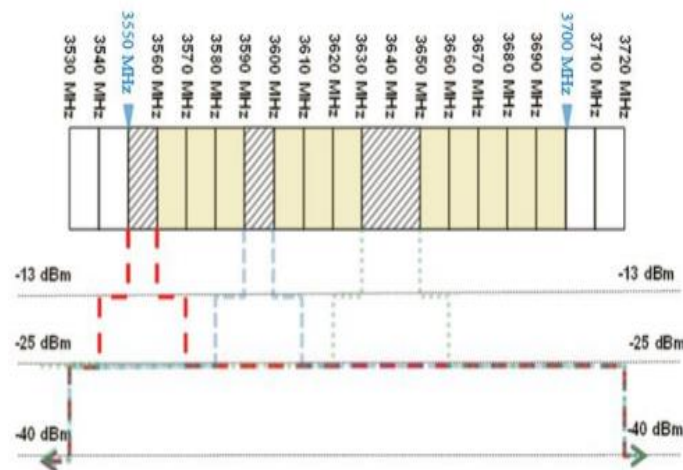
ANSI C63.26 - Section 5.2.3.4.
KDB 971168 D01 v03r01 - Section 5.7
KDB 662911 D01 v02r01 - Section E)3)

Test Setting

1. Start and stop frequency were set such that the Channel Edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the Channel Edge
3. RBW: 1% of fundamental for measurements within 1 MHz immediately outside the authorized channel
1 MHz for beyond 1 MHz outside the authorized channel.
4. VBW $\geq 3 \times$ RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times$ Span/RBW
7. Trace mode = trace average
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Limit

§ 96.41 (e)



- Within 0 MHz to 10 MHz above and below the assigned channel ≤ -13 dBm/MHz
- Greater than 10 MHz above and below the assigned channel ≤ -25 dBm/MHz
- Any emission below 3530 MHz and above 3720 MHz ≤ -40 dBm/MHz

**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 (82) / (223) pages

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

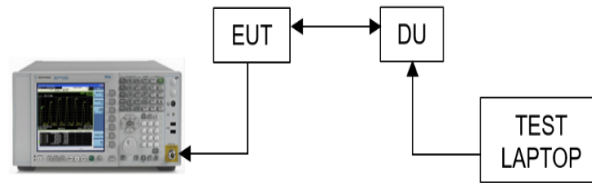


Figure 8-6. Test Instrument & Measurement Setup

Test Notes

1. All modes of operation were investigated and the worst configuration result plots are reported.
2. When detected Emission, this value has been applied as reference offset in the spectrum analyzer. Duty cycle correction factor was added to spectrum analyzer.
3. Per Section 96.41(e)(3)—resolution bandwidth 1% of fundamental for measurements within 1 MHz immediately outside the authorized channel; and 1 MHz for beyond 1 MHz outside the authorized channel.
4. The limits were adjusted by a factor of $[-10 \cdot \log(n)]$ dB to account for the device operation as a n port MIMO transmitter, as per FCC KDB 622911. MIMO Factor calculation as below:
5. When the channel edge detect with a margin of under 1dB to Limit, That used to integration method was performed using the spectrum analyzer's band power functions. The spectrum analyzer marker was placed at one-half of the RBW away from the band edge. The integration value was set to a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter.

Frequency range	Basic Limit (dBm/MHz)	MIMO Factor (dB)	Adjusted limit (dBm)
		16T	16T
0 MHz to 10 MHz above and below the assigned channel	-13.00	12.04	- 25.04
1 MHz immediately outside the authorized channel (resolution bandwidth 1% of fundamental)	-13.00	12.04	- 25.04
10 MHz above and below the assigned channel	-25.00	12.04	- 37.04
below 3530 MHz and above 3720 MHz (This range measurement results are reported in Section 8.8.)	-40.00	12.04	-52.04
Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor			

**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 (83) / (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	-47.60	-47.45	-48.07	-48.39	-37.04	-10.41
		3.540 to 3.549	-40.20	-40.20	-39.60	-39.56	-25.04	-14.52
		3.549 to 3.550	-36.61	-37.22	-37.50	-37.36	-25.04	-11.57
		3.560 to 3.561	-37.83	-37.10	-37.58	-38.54	-25.04	-12.06
		3.561 to 3.570	-39.11	-38.94	-40.07	-39.47	-25.04	-13.90
		3.570 to 3.720	-40.40	-40.20	-40.84	-40.75	-37.04	-3.16
	1	3.530 to 3.540	-47.54	-47.63	-48.18	-48.32	-37.04	-10.50
		3.540 to 3.549	-39.56	-39.74	-40.45	-39.53	-25.04	-14.49
		3.549 to 3.550	-36.59	-38.47	-37.64	-37.12	-25.04	-11.55
		3.560 to 3.561	-36.26	-35.89	-38.12	-36.43	-25.04	-10.85
		3.561 to 3.570	-39.44	-39.69	-40.34	-39.75	-25.04	-14.40
		3.570 to 3.720	-41.05	-40.66	-41.76	-41.84	-37.04	-3.62
	2	3.530 to 3.540	-46.08	-46.23	-46.97	-47.00	-37.04	-9.04
		3.540 to 3.549	-38.56	-38.87	-40.05	-39.40	-25.04	-13.52
		3.549 to 3.550	-36.15	-37.62	-36.98	-36.67	-25.04	-11.11
		3.560 to 3.561	-36.23	-34.90	-36.94	-37.13	-25.04	-9.86
		3.561 to 3.570	-38.57	-38.92	-39.34	-38.93	-25.04	-13.53
		3.570 to 3.720	-39.81	-39.43	-40.31	-40.30	-37.04	-2.39
	3	3.530 to 3.540	-48.58	-48.33	-49.14	-48.96	-37.04	-11.29
		3.540 to 3.549	-39.44	-41.25	-40.12	-38.65	-25.04	-13.61
		3.549 to 3.550	-37.00	-36.77	-38.49	-38.36	-25.04	-11.73
		3.560 to 3.561	-36.68	-37.73	-36.70	-36.37	-25.04	-11.33
		3.561 to 3.570	-39.38	-39.68	-39.73	-40.11	-25.04	-14.34
		3.570 to 3.720	-40.79	-40.54	-41.29	-41.36	-37.04	-3.50
	4	3.530 to 3.540	-46.99	-46.91	-47.45	-47.24	-37.04	-9.87
		3.540 to 3.549	-38.86	-39.45	-40.53	-38.93	-25.04	-13.82
		3.549 to 3.550	-36.27	-37.16	-36.82	-36.53	-25.04	-11.23
		3.560 to 3.561	-37.45	-36.84	-38.32	-36.63	-25.04	-11.59
		3.561 to 3.570	-39.65	-39.56	-40.19	-39.64	-25.04	-14.52
		3.570 to 3.720	-40.62	-40.39	-41.35	-41.21	-37.04	-3.35
	5	3.530 to 3.540	-49.12	-49.18	-49.67	-49.77	-37.04	-12.08
		3.540 to 3.549	-41.01	-38.03	-39.83	-39.69	-25.04	-12.99
		3.549 to 3.550	-37.36	-37.52	-36.40	-37.32	-25.04	-11.36
		3.560 to 3.561	-36.73	-37.43	-37.35	-37.24	-25.04	-11.69
		3.561 to 3.570	-39.68	-39.43	-40.24	-39.49	-25.04	-14.39
		3.570 to 3.720	-40.68	-40.43	-41.21	-41.32	-37.04	-3.39
	6	3.530 to 3.540	-47.94	-47.89	-48.48	-48.39	-37.04	-10.85
		3.540 to 3.549	-39.05	-38.96	-40.63	-40.92	-25.04	-13.92
		3.549 to 3.550	-37.84	-37.55	-36.15	-37.78	-25.04	-11.11
		3.560 to 3.561	-36.28	-36.47	-36.73	-36.80	-25.04	-11.24
		3.561 to 3.570	-39.00	-38.53	-38.84	-39.64	-25.04	-13.49
		3.570 to 3.720	-40.21	-40.01	-40.67	-40.80	-37.04	-2.97
	7	3.530 to 3.540	-47.77	-47.77	-48.77	-48.39	-37.04	-10.73
		3.540 to 3.549	-38.96	-38.22	-39.73	-39.48	-25.04	-13.18
		3.549 to 3.550	-37.85	-37.53	-37.00	-37.50	-25.04	-11.96
		3.560 to 3.561	-35.94	-36.63	-37.77	-35.86	-25.04	-10.82
		3.561 to 3.570	-39.41	-39.28	-39.47	-39.54	-25.04	-14.24
		3.570 to 3.720	-40.44	-40.28	-41.15	-41.14	-37.04	-3.24
	8	3.530 to 3.540	-47.10	-47.06	-47.72	-47.49	-37.04	-10.02
		3.540 to 3.549	-38.61	-39.04	-39.14	-39.19	-25.04	-13.57
		3.549 to 3.550	-38.44	-37.45	-38.06	-37.15	-25.04	-12.11
		3.560 to 3.561	-37.10	-37.10	-37.77	-36.40	-25.04	-11.36
		3.561 to 3.570	-39.32	-38.65	-39.09	-39.22	-25.04	-13.61
		3.570 to 3.720	-39.91	-39.57	-40.17	-40.25	-37.04	-2.53
	9	3.530 to 3.540	-48.01	-47.57	-48.39	-48.50	-37.04	-10.53
		3.540 to 3.549	-41.99	-39.28	-40.23	-39.89	-25.04	-14.24
		3.549 to 3.550	-38.04	-36.54	-38.29	-37.97	-25.04	-11.50
		3.560 to 3.561	-37.15	-36.71	-37.34	-37.66	-25.04	-11.67

**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 (84) / (223) pages

Mid	10	3.561 to 3.570	-39.84	-39.72	-40.78	-40.49	-25.04	-14.68
		3.570 to 3.720	-41.01	-40.69	-41.73	-41.71	-37.04	-3.65
		3.530 to 3.540	-44.29	-44.14	-44.92	-44.90	-37.04	-7.10
		3.540 to 3.549	-38.45	-38.19	-37.74	-38.70	-25.04	-12.70
		3.549 to 3.550	-36.99	-36.93	-37.55	-35.93	-25.04	-10.89
		3.560 to 3.561	-37.07	-35.34	-37.05	-36.41	-25.04	-10.30
		3.561 to 3.570	-38.63	-38.37	-38.84	-38.80	-25.04	-13.33
	11	3.570 to 3.720	-39.53	-39.13	-40.10	-40.23	-37.04	-2.09
		3.530 to 3.540	-46.22	-46.95	-46.93	-46.93	-37.04	-9.18
		3.540 to 3.549	-40.21	-38.66	-38.97	-40.08	-25.04	-13.62
		3.549 to 3.550	-37.66	-37.63	-36.45	-37.47	-25.04	-11.41
		3.560 to 3.561	-36.66	-36.61	-35.96	-37.56	-25.04	-10.92
	12	3.561 to 3.570	-39.42	-39.05	-39.63	-39.61	-25.04	-14.01
		3.570 to 3.720	-40.12	-40.02	-40.72	-40.89	-37.04	-2.98
		3.530 to 3.540	-48.11	-47.86	-48.64	-48.95	-37.04	-10.82
		3.540 to 3.549	-39.53	-40.30	-39.97	-41.98	-25.04	-14.49
		3.549 to 3.550	-35.81	-36.76	-36.75	-38.29	-25.04	-10.77
	13	3.560 to 3.561	-36.53	-37.68	-37.07	-36.52	-25.04	-11.48
		3.561 to 3.570	-39.56	-39.83	-39.81	-40.19	-25.04	-14.52
		3.570 to 3.720	-40.46	-40.27	-41.38	-41.20	-37.04	-3.23
		3.530 to 3.540	-48.30	-48.07	-48.81	-48.95	-37.04	-11.03
		3.540 to 3.549	-38.91	-39.40	-39.58	-39.48	-25.04	-13.87
	14	3.549 to 3.550	-37.76	-36.90	-38.25	-37.82	-25.04	-11.86
		3.560 to 3.561	-37.50	-36.48	-37.30	-37.96	-25.04	-11.44
		3.561 to 3.570	-39.84	-39.52	-39.84	-39.64	-25.04	-14.48
		3.570 to 3.720	-40.43	-40.20	-40.85	-41.01	-37.04	-3.16
		3.530 to 3.540	-47.67	-47.30	-47.94	-48.27	-37.04	-10.26
	15	3.540 to 3.549	-39.07	-38.52	-39.21	-39.01	-25.04	-13.48
		3.549 to 3.550	-37.52	-37.94	-37.82	-35.80	-25.04	-10.76
		3.560 to 3.561	-37.08	-37.29	-37.58	-35.93	-25.04	-10.89
		3.561 to 3.570	-39.37	-39.31	-40.55	-40.04	-25.04	-14.27
		3.570 to 3.720	-40.75	-40.49	-41.37	-41.25	-37.04	-3.45
Mid	0	3.530 to 3.540	-46.75	-46.81	-47.64	-47.68	-37.04	-9.71
		3.540 to 3.549	-40.08	-38.92	-40.05	-40.04	-25.04	-13.88
		3.549 to 3.550	-37.07	-37.98	-38.03	-37.15	-25.04	-12.03
		3.560 to 3.561	-37.10	-36.53	-37.21	-35.55	-25.04	-10.51
		3.561 to 3.570	-39.95	-39.84	-40.72	-40.85	-25.04	-14.80
	1	3.570 to 3.720	-41.80	-41.58	-42.61	-42.49	-37.04	-4.54
		3.530 to 3.610	-39.38	-39.83	-38.85	-39.84	-37.04	-1.81
		3.610 to 3.619	-37.52	-38.14	-38.58	-37.42	-25.04	-12.38
		3.619 to 3.620	-36.36	-36.65	-35.72	-35.84	-25.04	-10.68
		3.630 to 3.631	-37.15	-38.20	-35.84	-38.86	-25.04	-10.80
	2	3.631 to 3.640	-37.95	-38.55	-38.00	-38.47	-25.04	-12.91
		3.640 to 3.720	-40.45	-40.26	-40.54	-40.26	-37.04	-3.22
		3.530 to 3.610	-40.36	-40.71	-39.34	-40.90	-37.04	-2.30
		3.610 to 3.619	-37.78	-38.12	-37.74	-38.30	-25.04	-12.70
		3.619 to 3.620	-35.76	-36.39	-35.59	-36.64	-25.04	-10.55
	3	3.630 to 3.631	-36.53	-35.74	-37.28	-36.16	-25.04	-10.70
		3.631 to 3.640	-38.16	-38.07	-38.14	-38.30	-25.04	-13.03
		3.640 to 3.720	-41.05	-40.58	-40.46	-40.70	-37.04	-3.42
		3.530 to 3.610	-38.80	-39.20	-38.82	-39.72	-37.04	-1.76
		3.610 to 3.619	-37.17	-36.66	-37.75	-37.63	-25.04	-11.62
	4	3.619 to 3.620	-34.49	-35.65	-35.65	-36.07	-25.04	-9.45
		3.630 to 3.631	-35.63	-36.45	-37.57	-37.00	-25.04	-10.59
		3.631 to 3.640	-37.65	-37.49	-38.09	-37.82	-25.04	-12.45
		3.640 to 3.720	-40.14	-39.78	-39.91	-39.92	-37.04	-2.74
		3.530 to 3.610	-39.49	-40.23	-39.24	-40.65	-37.04	-2.20
	5	3.610 to 3.619	-38.38	-37.59	-37.43	-38.91	-25.04	-12.39
		3.619 to 3.620	-34.51	-35.93	-37.31	-36.07	-25.04	-9.47
		3.630 to 3.631	-36.27	-37.92	-35.99	-36.68	-25.04	-10.95
		3.631 to 3.640	-38.25	-38.66	-38.32	-37.95	-25.04	-12.91
		3.640 to 3.720	-40.14	-39.78	-39.91	-39.92	-37.04	-2.74

**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 (85) / (223) pages

	4	3.640 to 3.720	-40.81	-40.52	-40.70	-40.60	-37.04	-3.48
		3.530 to 3.610	-39.29	-40.25	-39.48	-40.28	-37.04	-2.25
		3.610 to 3.619	-37.30	-37.46	-38.19	-38.18	-25.04	-12.26
		3.619 to 3.620	-36.63	-36.92	-37.30	-36.68	-25.04	-11.59
		3.630 to 3.631	-35.88	-37.18	-36.30	-36.36	-25.04	-10.84
		3.631 to 3.640	-38.50	-38.00	-38.63	-38.13	-25.04	-12.96
	5	3.640 to 3.720	-40.79	-40.65	-40.87	-40.68	-37.04	-3.61
		3.530 to 3.610	-39.43	-40.31	-39.35	-40.53	-37.04	-2.31
		3.610 to 3.619	-37.88	-38.16	-38.05	-37.49	-25.04	-12.45
		3.619 to 3.620	-35.31	-34.84	-36.17	-36.07	-25.04	-9.80
		3.630 to 3.631	-36.57	-37.07	-37.38	-38.06	-25.04	-11.53
		3.631 to 3.640	-38.48	-38.29	-38.35	-38.16	-25.04	-13.12
	6	3.640 to 3.720	-40.78	-40.52	-40.75	-40.54	-37.04	-3.48
		3.530 to 3.610	-38.95	-39.91	-38.92	-40.18	-37.04	-1.88
		3.610 to 3.619	-37.58	-37.45	-37.26	-38.00	-25.04	-12.22
		3.619 to 3.620	-36.28	-36.64	-34.89	-35.58	-25.04	-9.85
		3.630 to 3.631	-35.95	-36.20	-36.50	-36.04	-25.04	-10.91
		3.631 to 3.640	-38.26	-38.19	-38.38	-37.84	-25.04	-12.80
	7	3.640 to 3.720	-40.35	-40.06	-40.25	-40.22	-37.04	-3.02
		3.530 to 3.610	-39.10	-40.12	-39.61	-39.99	-37.04	-2.06
		3.610 to 3.619	-37.52	-37.54	-37.35	-38.38	-25.04	-12.31
		3.619 to 3.620	-35.24	-36.07	-36.27	-35.72	-25.04	-10.20
		3.630 to 3.631	-34.73	-36.50	-35.45	-36.87	-25.04	-9.69
		3.631 to 3.640	-38.16	-38.09	-37.94	-38.09	-25.04	-12.90
	8	3.640 to 3.720	-40.29	-39.81	-40.52	-40.49	-37.04	-2.77
		3.530 to 3.610	-38.56	-39.56	-38.62	-39.51	-37.04	-1.52
		3.610 to 3.619	-36.88	-38.52	-38.31	-37.81	-25.04	-11.84
		3.619 to 3.620	-36.76	-35.89	-36.90	-35.31	-25.04	-10.27
		3.630 to 3.631	-36.73	-36.64	-38.11	-34.38	-25.04	-9.34
		3.631 to 3.640	-37.88	-38.00	-37.55	-37.82	-25.04	-12.51
	9	3.640 to 3.720	-39.75	-39.73	-40.06	-39.98	-37.04	-2.69
		3.530 to 3.610	-39.56	-40.63	-39.92	-40.50	-37.04	-2.52
		3.610 to 3.619	-39.20	-38.59	-37.87	-38.45	-25.04	-12.83
		3.619 to 3.620	-36.86	-36.47	-36.95	-37.05	-25.04	-11.43
		3.630 to 3.631	-36.89	-38.13	-35.86	-36.34	-25.04	-10.82
		3.631 to 3.640	-38.53	-38.15	-38.54	-38.51	-25.04	-13.11
	10	3.640 to 3.720	-41.12	-40.94	-41.13	-40.97	-37.04	-3.90
		3.530 to 3.610	-38.59	-39.36	-38.55	-39.25	-37.04	-1.51
		3.610 to 3.619	-36.96	-37.54	-37.81	-36.93	-25.04	-11.89
		3.619 to 3.620	-36.86	-37.09	-34.74	-35.01	-25.04	-9.70
		3.630 to 3.631	-35.49	-37.23	-36.15	-35.71	-25.04	-10.45
		3.631 to 3.640	-37.58	-37.55	-37.59	-37.60	-25.04	-12.51
	11	3.640 to 3.720	-39.90	-39.45	-39.81	-39.52	-37.04	-2.41
		3.530 to 3.610	-39.00	-40.09	-39.49	-39.92	-37.04	-1.96
		3.610 to 3.619	-37.31	-38.00	-38.77	-38.17	-25.04	-12.27
		3.619 to 3.620	-37.16	-35.29	-37.79	-36.78	-25.04	-10.25
		3.630 to 3.631	-36.84	-36.79	-36.24	-36.60	-25.04	-11.20
		3.631 to 3.640	-38.39	-37.84	-37.98	-37.52	-25.04	-12.48
	12	3.640 to 3.720	-40.49	-40.31	-40.46	-39.99	-37.04	-2.95
		3.530 to 3.610	-39.66	-40.63	-39.35	-40.37	-37.04	-2.31
		3.610 to 3.619	-38.29	-37.59	-37.86	-37.59	-25.04	-12.55
		3.619 to 3.620	-36.07	-37.14	-35.95	-36.20	-25.04	-10.91
		3.630 to 3.631	-37.19	-38.27	-36.91	-36.59	-25.04	-11.55
		3.631 to 3.640	-38.29	-38.09	-38.36	-38.25	-25.04	-13.05
	13	3.640 to 3.720	-40.94	-40.54	-40.93	-40.25	-37.04	-3.21
		3.530 to 3.610	-39.25	-40.07	-39.19	-40.09	-37.04	-2.15
		3.610 to 3.619	-37.60	-37.35	-38.17	-37.77	-25.04	-12.31
		3.619 to 3.620	-36.82	-37.36	-36.98	-36.63	-25.04	-11.59
		3.630 to 3.631	-36.30	-36.45	-35.31	-34.74	-25.04	-9.70
		3.631 to 3.640	-38.15	-38.31	-38.02	-37.79	-25.04	-12.75
		3.640 to 3.720	-40.62	-40.38	-40.46	-40.28	-37.04	-3.24

**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 (86) / (223) pages

	14	3.530 to 3.610	-39.58	-40.29	-39.54	-40.02	-37.04	-2.50
		3.610 to 3.619	-38.50	-37.91	-38.26	-37.61	-25.04	-12.57
		3.619 to 3.620	-36.13	-36.54	-37.44	-35.53	-25.04	-10.49
		3.630 to 3.631	-38.05	-36.29	-36.34	-36.02	-25.04	-10.98
		3.631 to 3.640	-38.03	-38.17	-38.75	-38.52	-25.04	-12.99
	15	3.640 to 3.720	-40.75	-40.64	-40.78	-40.56	-37.04	-3.52
		3.530 to 3.610	-40.38	-41.63	-40.78	-41.54	-37.04	-3.34
		3.610 to 3.619	-38.15	-38.57	-38.50	-38.73	-25.04	-13.11
		3.619 to 3.620	-37.29	-36.58	-36.39	-36.46	-25.04	-11.35
		3.630 to 3.631	-36.14	-36.72	-37.34	-37.47	-25.04	-11.10
High	0	3.631 to 3.640	-39.21	-39.14	-39.18	-39.25	-25.04	-14.10
		3.640 to 3.720	-42.11	-41.74	-41.97	-41.86	-37.04	-4.70
		3.530 to 3.680	-41.17	-40.08	-40.21	-40.16	-37.04	-3.04
		3.680 to 3.689	-39.11	-38.68	-38.84	-39.04	-25.04	-13.64
		3.689 to 3.690	-37.99	-38.04	-36.85	-36.57	-25.04	-11.53
	1	3.700 to 3.701	-37.14	-37.26	-37.13	-36.54	-25.04	-11.50
		3.701 to 3.710	-39.86	-39.56	-39.40	-39.51	-25.04	-14.36
		3.710 to 3.720	-41.80	-40.44	-40.82	-40.48	-37.04	-3.40
		3.530 to 3.680	-42.16	-40.86	-41.15	-40.80	-37.04	-3.76
		3.680 to 3.689	-38.96	-38.64	-38.41	-38.56	-25.04	-13.37
	2	3.689 to 3.690	-38.09	-38.01	-36.52	-34.87	-25.04	-9.83
		3.700 to 3.701	-36.19	-36.69	-37.33	-36.63	-25.04	-11.15
		3.701 to 3.710	-40.13	-39.16	-39.50	-39.54	-25.04	-14.12
		3.710 to 3.720	-42.58	-41.08	-41.32	-40.89	-37.04	-3.85
		3.530 to 3.680	-40.72	-39.56	-39.84	-39.74	-37.04	-2.52
	3	3.680 to 3.689	-38.30	-37.85	-38.33	-38.08	-25.04	-12.81
		3.689 to 3.690	-36.37	-37.04	-37.54	-36.34	-25.04	-11.30
		3.700 to 3.701	-36.74	-37.17	-37.36	-35.14	-25.04	-10.10
		3.701 to 3.710	-39.41	-38.86	-39.05	-38.99	-25.04	-13.82
		3.710 to 3.720	-41.71	-40.29	-40.52	-40.55	-37.04	-3.25
	4	3.530 to 3.680	-41.92	-40.58	-40.80	-40.79	-37.04	-3.54
		3.680 to 3.689	-39.44	-38.75	-39.01	-38.35	-25.04	-13.31
		3.689 to 3.690	-36.30	-36.25	-36.73	-36.18	-25.04	-11.14
		3.700 to 3.701	-38.10	-37.42	-36.94	-35.46	-25.04	-10.42
		3.701 to 3.710	-40.09	-39.20	-39.36	-39.47	-25.04	-14.16
	5	3.710 to 3.720	-42.48	-40.73	-41.16	-40.98	-37.04	-3.69
		3.530 to 3.680	-42.41	-40.33	-40.41	-40.21	-37.04	-3.17
		3.680 to 3.689	-39.34	-38.50	-38.50	-38.62	-25.04	-13.46
		3.689 to 3.690	-36.59	-37.74	-38.02	-36.60	-25.04	-11.55
		3.700 to 3.701	-36.76	-35.54	-37.40	-35.59	-25.04	-10.50
	6	3.701 to 3.710	-40.50	-39.54	-39.93	-39.77	-25.04	-14.50
		3.710 to 3.720	-43.15	-40.78	-41.25	-41.22	-37.04	-3.74
		3.530 to 3.680	-42.10	-40.43	-40.70	-40.63	-37.04	-3.39
		3.680 to 3.689	-39.29	-38.49	-38.56	-38.52	-25.04	-13.45
		3.689 to 3.690	-36.45	-38.20	-37.49	-36.79	-25.04	-11.41
	7	3.700 to 3.701	-35.36	-37.96	-37.28	-37.52	-25.04	-10.32
		3.701 to 3.710	-39.98	-39.14	-39.52	-39.71	-25.04	-14.10
		3.710 to 3.720	-42.92	-40.86	-40.99	-41.29	-37.04	-3.82
		3.530 to 3.680	-42.51	-39.91	-40.22	-40.08	-37.04	-2.87
		3.680 to 3.689	-39.43	-38.15	-38.28	-38.19	-25.04	-13.11
	8	3.689 to 3.690	-35.10	-35.84	-34.31	-37.09	-25.04	-9.27
		3.700 to 3.701	-36.91	-37.03	-37.78	-36.61	-25.04	-11.57
		3.701 to 3.710	-40.17	-39.01	-38.81	-39.09	-25.04	-13.77
		3.710 to 3.720	-43.31	-40.42	-40.95	-40.76	-37.04	-3.38
		3.530 to 3.680	-41.98	-40.16	-40.25	-40.22	-37.04	-3.12
		3.680 to 3.689	-38.90	-37.92	-38.66	-38.77	-25.04	-12.88
		3.689 to 3.690	-36.82	-36.25	-36.36	-36.12	-25.04	-11.08
		3.700 to 3.701	-35.68	-37.69	-37.70	-37.62	-25.04	-10.64
		3.701 to 3.710	-39.87	-38.92	-39.14	-38.94	-25.04	-13.88
		3.710 to 3.720	-42.52	-40.32	-40.54	-40.86	-37.04	-3.28
		3.530 to 3.680	-41.00	-39.60	-39.88	-39.72	-37.04	-2.56

**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 (87) / (223) pages

		3.680 to 3.689	-38.62	-38.12	-38.13	-38.48	-25.04	-13.08
		3.689 to 3.690	-35.72	-36.57	-36.82	-37.12	-25.04	-10.68
		3.700 to 3.701	-35.54	-37.18	-35.65	-35.77	-25.04	-10.50
		3.701 to 3.710	-39.80	-38.87	-39.15	-39.07	-25.04	-13.83
9		3.710 to 3.720	-41.99	-40.04	-40.36	-40.67	-37.04	-3.00
		3.530 to 3.680	-43.32	-41.11	-40.97	-40.94	-37.04	-3.90
		3.680 to 3.689	-39.41	-38.57	-38.62	-38.82	-25.04	-13.53
		3.689 to 3.690	-35.88	-37.85	-37.76	-37.19	-25.04	-10.84
		3.700 to 3.701	-36.63	-38.16	-36.99	-37.29	-25.04	-11.59
		3.701 to 3.710	-40.59	-39.44	-39.18	-39.94	-25.04	-14.14
10		3.710 to 3.720	-43.88	-41.20	-41.46	-41.52	-37.04	-4.16
		3.530 to 3.680	-41.35	-39.44	-39.58	-39.58	-37.04	-2.40
		3.680 to 3.689	-38.56	-37.69	-38.09	-38.01	-25.04	-12.65
		3.689 to 3.690	-35.03	-37.24	-35.38	-35.75	-25.04	-9.99
		3.700 to 3.701	-35.64	-37.35	-36.50	-35.87	-25.04	-10.60
		3.701 to 3.710	-39.67	-38.73	-38.60	-38.56	-25.04	-13.52
11		3.710 to 3.720	-41.81	-39.61	-39.43	-39.90	-37.04	-2.39
		3.530 to 3.680	-42.19	-40.12	-40.19	-40.32	-37.04	-3.08
		3.680 to 3.689	-39.09	-38.46	-39.18	-38.44	-25.04	-13.40
		3.689 to 3.690	-36.24	-38.39	-35.22	-37.07	-25.04	-10.18
		3.700 to 3.701	-35.99	-37.01	-38.77	-37.25	-25.04	-10.95
		3.701 to 3.710	-39.84	-38.90	-39.42	-39.36	-25.04	-13.86
12		3.710 to 3.720	-42.95	-40.69	-40.66	-40.62	-37.04	-3.58
		3.530 to 3.680	-43.63	-40.70	-40.87	-41.03	-37.04	-3.66
		3.680 to 3.689	-39.66	-38.85	-39.12	-38.78	-25.04	-13.74
		3.689 to 3.690	-35.54	-38.01	-37.15	-36.08	-25.04	-10.50
		3.700 to 3.701	-36.82	-37.95	-37.40	-36.11	-25.04	-11.07
		3.701 to 3.710	-41.05	-39.49	-39.87	-39.42	-25.04	-14.38
13		3.710 to 3.720	-44.20	-40.94	-41.15	-41.37	-37.04	-3.90
		3.530 to 3.680	-42.90	-40.56	-40.42	-40.52	-37.04	-3.38
		3.680 to 3.689	-39.25	-38.15	-38.76	-38.47	-25.04	-13.11
		3.689 to 3.690	-37.15	-35.82	-37.30	-36.44	-25.04	-10.78
		3.700 to 3.701	-38.00	-37.66	-37.41	-36.87	-25.04	-11.83
		3.701 to 3.710	-40.17	-39.35	-39.30	-39.71	-25.04	-14.26
14		3.710 to 3.720	-43.05	-40.43	-40.97	-40.88	-37.04	-3.39
		3.530 to 3.680	-43.67	-40.58	-40.52	-40.25	-37.04	-3.21
		3.680 to 3.689	-39.46	-38.29	-38.92	-38.71	-25.04	-13.25
		3.689 to 3.690	-36.11	-37.03	-37.65	-37.37	-25.04	-11.07
		3.700 to 3.701	-37.74	-38.10	-36.52	-37.10	-25.04	-11.48
		3.701 to 3.710	-40.70	-39.29	-39.61	-39.36	-25.04	-14.25
15		3.710 to 3.720	-43.98	-40.58	-41.06	-41.24	-37.04	-3.54
		3.530 to 3.680	-45.55	-41.72	-41.94	-41.98	-37.04	-4.68
		3.680 to 3.689	-40.50	-38.97	-39.16	-39.50	-25.04	-13.93
		3.689 to 3.690	-35.41	-36.61	-36.17	-37.52	-25.04	-10.37
		3.700 to 3.701	-37.84	-37.83	-37.90	-37.71	-25.04	-12.67
		3.701 to 3.710	-41.45	-39.68	-40.32	-40.61	-25.04	-14.64
		3.710 to 3.720	-46.20	-42.12	-42.36	-42.70	-37.04	-5.08

Table 8-34. Channel Edge Emission Summary Data (n48_1C_10M)

**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 (88) / (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	-48.15	-47.21	-47.25	-47.40	-37.04	-10.17
		3.540 to 3.549	-41.87	-40.36	-40.85	-41.34	-25.04	-15.32
		3.549 to 3.550	-38.60	-39.43	-39.16	-40.15	-25.04	-13.56
		3.570 to 3.571	-39.70	-39.59	-40.23	-39.85	-25.04	-14.55
		3.571 to 3.580	-41.16	-40.64	-40.53	-40.60	-25.04	-15.49
		3.580 to 3.720	-40.92	-39.78	-39.81	-39.83	-37.04	-2.74
	1	3.530 to 3.540	-48.38	-47.32	-47.49	-47.32	-37.04	-10.28
		3.540 to 3.549	-42.16	-41.22	-41.57	-41.26	-25.04	-16.18
		3.549 to 3.550	-39.30	-39.73	-40.02	-39.84	-25.04	-14.26
		3.570 to 3.571	-39.04	-38.05	-38.94	-40.03	-25.04	-13.01
		3.571 to 3.580	-41.94	-41.33	-41.26	-41.01	-25.04	-15.97
		3.580 to 3.720	-41.78	-40.86	-40.68	-40.69	-37.04	-3.64
	2	3.530 to 3.540	-47.27	-46.23	-46.23	-46.04	-37.04	-9.00
		3.540 to 3.549	-41.27	-40.60	-40.66	-40.90	-25.04	-15.56
		3.549 to 3.550	-38.50	-38.82	-39.41	-39.23	-25.04	-13.46
		3.570 to 3.571	-39.32	-39.93	-38.63	-39.64	-25.04	-13.59
		3.571 to 3.580	-41.02	-40.21	-40.10	-40.27	-25.04	-15.06
		3.580 to 3.720	-40.70	-39.54	-39.50	-39.60	-37.04	-2.46
	3	3.530 to 3.540	-49.15	-48.18	-47.98	-47.89	-37.04	-10.85
		3.540 to 3.549	-41.47	-41.75	-42.04	-41.69	-25.04	-16.43
		3.549 to 3.550	-39.09	-39.54	-38.99	-39.85	-25.04	-13.95
		3.570 to 3.571	-39.20	-38.93	-38.72	-40.10	-25.04	-13.68
		3.571 to 3.580	-41.51	-41.14	-40.79	-40.53	-25.04	-15.49
		3.580 to 3.720	-41.54	-40.59	-40.43	-40.26	-37.04	-3.22
	4	3.530 to 3.540	-47.51	-46.61	-46.49	-46.46	-37.04	-9.42
		3.540 to 3.549	-42.24	-40.91	-41.49	-41.17	-25.04	-15.87
		3.549 to 3.550	-39.17	-39.23	-40.89	-40.03	-25.04	-14.13
		3.570 to 3.571	-39.45	-37.76	-38.99	-39.79	-25.04	-12.72
		3.571 to 3.580	-41.96	-40.60	-40.58	-40.70	-25.04	-15.54
		3.580 to 3.720	-41.44	-40.28	-40.31	-40.14	-37.04	-3.10
	5	3.530 to 3.540	-49.79	-48.83	-48.88	-48.87	-37.04	-11.79
		3.540 to 3.549	-41.76	-41.38	-42.23	-42.17	-25.04	-16.34
		3.549 to 3.550	-41.09	-39.30	-39.67	-38.56	-25.04	-13.52
		3.570 to 3.571	-39.08	-39.50	-38.58	-39.01	-25.04	-13.54
		3.571 to 3.580	-42.18	-41.01	-41.12	-41.01	-25.04	-15.97
		3.580 to 3.720	-41.75	-40.39	-40.30	-40.18	-37.04	-3.14
	6	3.530 to 3.540	-49.32	-47.67	-47.52	-47.69	-37.04	-10.48
		3.540 to 3.549	-42.72	-41.14	-41.30	-41.31	-25.04	-16.10
		3.549 to 3.550	-38.83	-38.57	-40.05	-39.63	-25.04	-13.53
		3.570 to 3.571	-38.15	-39.40	-38.55	-38.11	-25.04	-13.07
		3.571 to 3.580	-41.95	-39.62	-40.43	-40.29	-25.04	-14.58
		3.580 to 3.720	-41.37	-39.98	-39.88	-39.65	-37.04	-2.61
	7	3.530 to 3.540	-48.66	-47.44	-47.49	-47.46	-37.04	-10.40
		3.540 to 3.549	-42.53	-41.51	-41.26	-41.81	-25.04	-16.22
		3.549 to 3.550	-39.48	-38.98	-39.78	-39.76	-25.04	-13.94
		3.570 to 3.571	-37.44	-37.53	-39.02	-39.49	-25.04	-12.40
		3.571 to 3.580	-41.97	-40.37	-40.44	-40.93	-25.04	-15.33
		3.580 to 3.720	-41.12	-40.23	-39.97	-40.19	-37.04	-2.93
	8	3.530 to 3.540	-47.68	-46.76	-46.86	-46.49	-37.04	-9.45
		3.540 to 3.549	-40.50	-40.70	-40.65	-40.15	-25.04	-15.11
		3.549 to 3.550	-38.83	-38.93	-39.71	-39.46	-25.04	-13.79
		3.570 to 3.571	-37.90	-39.23	-39.29	-38.95	-25.04	-12.86
		3.571 to 3.580	-41.27	-40.04	-40.11	-40.13	-25.04	-15.00
		3.580 to 3.720	-40.59	-39.37	-39.21	-39.18	-37.04	-2.14
	9	3.530 to 3.540	-48.71	-47.68	-47.61	-47.49	-37.04	-10.45
		3.540 to 3.549	-42.60	-42.23	-41.66	-41.25	-25.04	-16.21
		3.549 to 3.550	-39.96	-40.48	-40.50	-40.66	-25.04	-14.92
		3.570 to 3.571	-39.85	-40.37	-39.86	-40.49	-25.04	-14.81

**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 (89) / (223) pages

Mid	10	3.571 to 3.580	-42.12	-41.13	-41.37	-41.39	-25.04	-16.09
		3.580 to 3.720	-41.88	-40.66	-40.57	-40.52	-37.04	-3.48
		3.530 to 3.540	-45.80	-44.57	-44.21	-44.51	-37.04	-7.17
		3.540 to 3.549	-41.62	-40.58	-40.77	-40.95	-25.04	-15.54
		3.549 to 3.550	-38.52	-39.04	-39.41	-40.07	-25.04	-13.48
		3.570 to 3.571	-38.70	-38.74	-39.63	-39.07	-25.04	-13.66
		3.571 to 3.580	-41.37	-39.84	-40.12	-39.86	-25.04	-14.80
	11	3.580 to 3.720	-41.01	-39.36	-39.45	-39.33	-37.04	-2.29
		3.530 to 3.540	-47.77	-46.69	-46.78	-46.33	-37.04	-9.29
		3.540 to 3.549	-42.29	-41.44	-41.25	-41.06	-25.04	-16.02
		3.549 to 3.550	-39.96	-39.96	-38.36	-39.96	-25.04	-13.32
		3.570 to 3.571	-38.81	-39.67	-37.97	-39.29	-25.04	-12.93
	12	3.571 to 3.580	-41.50	-40.52	-40.31	-40.72	-25.04	-15.27
		3.580 to 3.720	-41.10	-40.01	-39.52	-40.02	-37.04	-2.48
		3.530 to 3.540	-49.47	-47.91	-47.72	-47.87	-37.04	-10.68
		3.540 to 3.549	-42.62	-41.43	-41.42	-42.21	-25.04	-16.38
		3.549 to 3.550	-39.33	-38.77	-39.25	-39.80	-25.04	-13.73
	13	3.570 to 3.571	-39.18	-40.10	-39.38	-39.20	-25.04	-14.14
		3.571 to 3.580	-42.74	-41.00	-40.97	-40.78	-25.04	-15.74
		3.580 to 3.720	-42.06	-40.51	-40.34	-40.34	-37.04	-3.30
		3.530 to 3.540	-49.35	-48.23	-47.91	-48.22	-37.04	-10.87
		3.540 to 3.549	-42.09	-40.95	-41.42	-41.41	-25.04	-15.91
	14	3.549 to 3.550	-39.67	-40.22	-39.41	-39.51	-25.04	-14.37
		3.570 to 3.571	-39.20	-38.22	-39.31	-38.64	-25.04	-13.18
		3.571 to 3.580	-41.94	-40.32	-40.80	-40.66	-25.04	-15.28
		3.580 to 3.720	-41.60	-39.95	-40.11	-39.83	-37.04	-2.79
		3.530 to 3.540	-49.04	-47.55	-47.47	-47.35	-37.04	-10.31
	15	3.540 to 3.549	-43.33	-41.80	-40.85	-41.34	-25.04	-15.81
		3.549 to 3.550	-39.80	-39.32	-40.32	-39.92	-25.04	-14.28
		3.570 to 3.571	-39.83	-39.61	-39.17	-39.33	-25.04	-14.13
		3.571 to 3.580	-42.45	-40.55	-41.01	-40.69	-25.04	-15.51
		3.580 to 3.720	-42.06	-40.22	-40.25	-40.46	-37.04	-3.18
Mid	0	3.530 to 3.540	-48.54	-46.60	-46.53	-46.76	-37.04	-9.49
		3.540 to 3.549	-44.40	-42.01	-42.59	-42.17	-25.04	-16.97
		3.549 to 3.550	-39.70	-39.45	-40.76	-40.80	-25.04	-14.41
		3.570 to 3.571	-39.94	-40.33	-39.52	-40.04	-25.04	-14.48
		3.571 to 3.580	-43.53	-41.45	-41.72	-41.51	-25.04	-16.41
	1	3.580 to 3.720	-43.55	-41.29	-41.51	-41.60	-37.04	-4.25
		3.530 to 3.605	-40.15	-40.41	-40.31	-40.26	-37.04	-3.11
		3.605 to 3.614	-39.84	-39.27	-39.52	-39.84	-25.04	-14.23
		3.614 to 3.615	-39.27	-39.60	-39.73	-39.40	-25.04	-14.23
		3.635 to 3.636	-39.04	-39.56	-38.93	-39.67	-25.04	-13.89
	2	3.636 to 3.645	-39.95	-39.45	-39.81	-39.86	-25.04	-14.41
		3.645 to 3.720	-40.62	-40.51	-40.67	-40.77	-37.04	-3.47
		3.530 to 3.605	-40.91	-41.13	-41.12	-41.26	-37.04	-3.87
		3.605 to 3.614	-40.18	-40.14	-40.05	-40.04	-25.04	-15.00
		3.614 to 3.615	-39.38	-38.51	-39.90	-38.01	-25.04	-12.97
	3	3.635 to 3.636	-40.07	-39.58	-39.21	-39.09	-25.04	-14.05
		3.636 to 3.645	-39.85	-39.91	-40.13	-40.34	-25.04	-14.81
		3.645 to 3.720	-40.67	-41.07	-40.92	-40.91	-37.04	-3.63
		3.530 to 3.605	-39.41	-39.81	-39.67	-40.00	-37.04	-2.37
		3.605 to 3.614	-38.97	-38.83	-39.09	-39.45	-25.04	-13.79
		3.614 to 3.615	-37.82	-38.93	-39.60	-38.20	-25.04	-12.78
		3.635 to 3.636	-40.08	-39.20	-39.22	-38.81	-25.04	-13.77
		3.636 to 3.645	-39.13	-38.88	-39.00	-39.50	-25.04	-13.84
		3.645 to 3.720	-39.58	-39.85	-40.02	-40.04	-37.04	-2.54
		3.530 to 3.605	-40.21	-40.96	-40.67	-40.22	-37.04	-3.17
		3.605 to 3.614	-39.74	-39.61	-39.99	-40.12	-25.04	-14.57
		3.614 to 3.615	-38.98	-37.82	-38.17	-39.45	-25.04	-12.78
		3.635 to 3.636	-37.87	-38.08	-38.83	-40.15	-25.04	-12.83
		3.636 to 3.645	-39.89	-39.96	-39.80	-40.24	-25.04	-14.76

**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 (90) / (223) pages

	4	3.645 to 3.720	-40.60	-40.80	-40.85	-41.05	-37.04	-3.56
		3.530 to 3.605	-40.00	-40.33	-40.16	-40.55	-37.04	-2.96
		3.605 to 3.614	-39.66	-39.80	-39.49	-39.96	-25.04	-14.45
		3.614 to 3.615	-39.03	-37.71	-39.02	-38.62	-25.04	-12.67
		3.635 to 3.636	-39.38	-39.44	-38.61	-37.94	-25.04	-12.90
		3.636 to 3.645	-39.62	-39.65	-39.99	-39.93	-25.04	-14.58
	5	3.645 to 3.720	-40.55	-40.61	-40.84	-40.87	-37.04	-3.51
		3.530 to 3.605	-40.49	-40.47	-40.42	-40.68	-37.04	-3.38
		3.605 to 3.614	-39.74	-39.57	-39.94	-40.00	-25.04	-14.53
		3.614 to 3.615	-38.89	-36.76	-37.99	-39.08	-25.04	-11.72
		3.635 to 3.636	-38.13	-40.26	-36.99	-39.34	-25.04	-11.95
		3.636 to 3.645	-40.00	-39.87	-39.96	-40.20	-25.04	-14.83
	6	3.645 to 3.720	-40.61	-40.90	-40.86	-40.86	-37.04	-3.57
		3.530 to 3.605	-39.84	-40.24	-40.33	-40.22	-37.04	-2.80
		3.605 to 3.614	-39.24	-39.36	-39.45	-39.40	-25.04	-14.20
		3.614 to 3.615	-37.44	-38.43	-40.17	-39.96	-25.04	-12.40
		3.635 to 3.636	-38.81	-38.93	-37.66	-39.63	-25.04	-12.62
		3.636 to 3.645	-39.51	-39.74	-39.64	-39.84	-25.04	-14.47
	7	3.645 to 3.720	-40.31	-40.29	-40.27	-40.32	-37.04	-3.23
		3.530 to 3.605	-40.39	-40.65	-39.99	-40.58	-37.04	-2.95
		3.605 to 3.614	-39.31	-39.79	-39.24	-39.45	-25.04	-14.20
		3.614 to 3.615	-38.83	-39.27	-38.24	-39.67	-25.04	-13.20
		3.635 to 3.636	-38.54	-38.69	-36.61	-38.91	-25.04	-11.57
		3.636 to 3.645	-39.21	-39.34	-39.70	-39.63	-25.04	-14.17
	8	3.645 to 3.720	-40.14	-40.59	-40.37	-40.50	-37.04	-3.10
		3.530 to 3.605	-39.60	-39.53	-39.34	-39.64	-37.04	-2.30
		3.605 to 3.614	-38.76	-39.10	-38.90	-39.35	-25.04	-13.72
		3.614 to 3.615	-38.76	-38.27	-39.21	-38.08	-25.04	-13.04
		3.635 to 3.636	-37.51	-39.68	-37.51	-39.35	-25.04	-12.47
		3.636 to 3.645	-39.25	-39.28	-38.85	-39.42	-25.04	-13.81
	9	3.645 to 3.720	-39.85	-40.09	-39.70	-39.89	-37.04	-2.66
		3.530 to 3.605	-40.73	-41.16	-40.94	-41.19	-37.04	-3.69
		3.605 to 3.614	-40.02	-40.01	-40.06	-40.44	-25.04	-14.97
		3.614 to 3.615	-38.91	-38.75	-38.83	-40.05	-25.04	-13.71
		3.635 to 3.636	-38.73	-38.42	-38.95	-39.18	-25.04	-13.38
		3.636 to 3.645	-40.34	-40.29	-40.30	-40.59	-25.04	-15.25
	10	3.645 to 3.720	-40.84	-41.37	-41.02	-41.37	-37.04	-3.80
		3.530 to 3.605	-39.71	-39.62	-39.82	-40.15	-37.04	-2.58
		3.605 to 3.614	-39.21	-39.26	-39.07	-39.11	-25.04	-14.03
		3.614 to 3.615	-39.25	-38.70	-40.29	-38.69	-25.04	-13.65
		3.635 to 3.636	-40.29	-38.53	-37.63	-38.01	-25.04	-12.59
		3.636 to 3.645	-39.56	-39.37	-39.31	-39.56	-25.04	-14.27
	11	3.645 to 3.720	-40.13	-40.19	-40.12	-40.24	-37.04	-3.08
		3.530 to 3.605	-39.74	-40.08	-39.97	-40.18	-37.04	-2.70
		3.605 to 3.614	-39.41	-39.59	-39.22	-39.39	-25.04	-14.18
		3.614 to 3.615	-38.94	-38.61	-38.84	-38.01	-25.04	-12.97
		3.635 to 3.636	-40.12	-39.51	-38.43	-39.00	-25.04	-13.39
		3.636 to 3.645	-39.42	-39.73	-39.48	-39.74	-25.04	-14.38
	12	3.645 to 3.720	-40.16	-40.57	-40.41	-40.53	-37.04	-3.12
		3.530 to 3.605	-40.64	-40.67	-40.54	-40.72	-37.04	-3.50
		3.605 to 3.614	-39.83	-39.78	-39.84	-39.98	-25.04	-14.74
		3.614 to 3.615	-40.10	-38.51	-38.88	-38.55	-25.04	-13.47
		3.635 to 3.636	-39.41	-40.44	-37.99	-39.02	-25.04	-12.95
		3.636 to 3.645	-39.59	-40.00	-40.13	-39.94	-25.04	-14.55
	13	3.645 to 3.720	-40.60	-40.91	-40.66	-40.97	-37.04	-3.56
		3.530 to 3.605	-40.06	-40.59	-40.15	-40.41	-37.04	-3.02
		3.605 to 3.614	-39.36	-39.40	-39.48	-39.48	-25.04	-14.32
		3.614 to 3.615	-39.23	-38.03	-38.94	-39.67	-25.04	-12.99
		3.635 to 3.636	-38.82	-39.49	-37.97	-38.33	-25.04	-12.93
		3.636 to 3.645	-39.67	-39.93	-39.36	-39.96	-25.04	-14.32
		3.645 to 3.720	-40.34	-40.76	-40.54	-40.67	-37.04	-3.30

**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 (91) / (223) pages

	14	3.530 to 3.605	-40.64	-40.77	-40.52	-40.67	-37.04	-3.48
		3.605 to 3.614	-39.45	-39.80	-39.43	-40.18	-25.04	-14.39
		3.614 to 3.615	-38.51	-39.49	-39.88	-39.62	-25.04	-13.47
		3.635 to 3.636	-39.25	-38.74	-39.05	-39.11	-25.04	-13.70
		3.636 to 3.645	-40.06	-39.82	-39.84	-39.89	-25.04	-14.78
	15	3.645 to 3.720	-40.55	-40.71	-40.49	-40.77	-37.04	-3.45
		3.530 to 3.605	-41.15	-41.62	-40.98	-41.92	-37.04	-3.94
		3.605 to 3.614	-40.48	-41.17	-40.49	-40.93	-25.04	-15.44
		3.614 to 3.615	-39.20	-40.05	-38.60	-40.10	-25.04	-13.56
		3.635 to 3.636	-38.45	-39.42	-38.45	-38.50	-25.04	-13.41
High	0	3.636 to 3.645	-41.05	-41.19	-40.81	-40.73	-25.04	-15.69
		3.645 to 3.720	-41.87	-42.02	-41.78	-42.03	-37.04	-4.74
		3.530 to 3.670	-40.42	-40.13	-40.09	-39.98	-37.04	-2.94
		3.670 to 3.679	-40.41	-40.10	-40.20	-40.08	-25.04	-15.04
		3.679 to 3.680	-39.23	-39.49	-39.66	-39.64	-25.04	-14.19
	1	3.700 to 3.701	-40.57	-39.50	-40.02	-40.53	-25.04	-14.46
		3.701 to 3.710	-40.10	-40.23	-40.32	-40.48	-25.04	-15.06
		3.710 to 3.720	-40.72	-40.55	-40.42	-40.63	-37.04	-3.38
		3.530 to 3.670	-41.34	-40.48	-40.61	-40.68	-37.04	-3.44
		3.670 to 3.679	-40.51	-40.15	-40.00	-40.01	-25.04	-14.96
	2	3.679 to 3.680	-37.13	-38.21	-39.35	-39.50	-25.04	-12.09
		3.700 to 3.701	-37.90	-38.84	-38.68	-39.23	-25.04	-12.86
		3.701 to 3.710	-40.68	-40.40	-40.57	-40.68	-25.04	-15.36
		3.710 to 3.720	-41.28	-40.87	-40.93	-41.02	-37.04	-3.83
		3.530 to 3.670	-40.06	-39.34	-39.89	-39.63	-37.04	-2.30
	3	3.670 to 3.679	-39.82	-39.60	-39.69	-39.64	-25.04	-14.56
		3.679 to 3.680	-38.87	-38.82	-38.88	-39.71	-25.04	-13.78
		3.700 to 3.701	-39.21	-37.79	-39.05	-38.71	-25.04	-12.75
		3.701 to 3.710	-39.82	-39.83	-40.09	-39.84	-25.04	-14.78
		3.710 to 3.720	-40.44	-40.10	-39.95	-40.28	-37.04	-2.91
	4	3.530 to 3.670	-41.04	-40.48	-40.55	-40.24	-37.04	-3.20
		3.670 to 3.679	-40.55	-40.27	-39.97	-40.00	-25.04	-14.93
		3.679 to 3.680	-39.57	-38.59	-38.71	-39.74	-25.04	-13.55
		3.700 to 3.701	-40.85	-38.43	-37.74	-40.46	-25.04	-12.70
		3.701 to 3.710	-40.88	-40.66	-40.73	-40.67	-25.04	-15.62
	5	3.710 to 3.720	-41.27	-40.96	-40.49	-40.94	-37.04	-3.45
		3.530 to 3.670	-40.71	-40.36	-40.44	-40.17	-37.04	-3.13
		3.670 to 3.679	-40.62	-40.21	-40.53	-40.43	-25.04	-15.17
		3.679 to 3.680	-39.49	-38.19	-39.24	-39.67	-25.04	-13.15
		3.700 to 3.701	-39.53	-39.48	-39.49	-40.12	-25.04	-14.44
	6	3.701 to 3.710	-40.54	-40.69	-40.37	-40.54	-25.04	-15.33
		3.710 to 3.720	-41.12	-41.14	-40.97	-40.89	-37.04	-3.85
		3.530 to 3.670	-40.93	-40.21	-40.37	-40.23	-37.04	-3.17
		3.670 to 3.679	-40.58	-40.48	-40.25	-40.23	-25.04	-15.19
		3.679 to 3.680	-39.23	-39.17	-39.76	-39.61	-25.04	-14.13
	7	3.700 to 3.701	-39.65	-39.71	-39.92	-39.88	-25.04	-14.61
		3.701 to 3.710	-40.54	-40.58	-40.53	-40.64	-25.04	-15.49
		3.710 to 3.720	-41.12	-40.74	-40.87	-40.91	-37.04	-3.70
		3.530 to 3.670	-40.64	-40.02	-40.10	-39.96	-37.04	-2.92
		3.670 to 3.679	-40.24	-39.96	-39.99	-40.01	-25.04	-14.92
	8	3.679 to 3.680	-38.14	-36.99	-38.76	-38.29	-25.04	-11.95
		3.700 to 3.701	-40.06	-39.21	-39.49	-38.67	-25.04	-13.63
		3.701 to 3.710	-40.23	-40.26	-40.26	-40.15	-25.04	-15.11
		3.710 to 3.720	-40.99	-40.64	-40.58	-40.58	-37.04	-3.54
		3.530 to 3.670	-40.59	-39.88	-40.15	-40.07	-37.04	-2.84
		3.670 to 3.679	-39.97	-39.77	-39.81	-39.60	-25.04	-14.56
		3.679 to 3.680	-39.39	-37.77	-38.38	-39.20	-25.04	-12.73
		3.700 to 3.701	-38.76	-39.32	-38.88	-39.67	-25.04	-13.72
		3.701 to 3.710	-40.50	-39.79	-40.16	-40.20	-25.04	-14.75
		3.710 to 3.720	-40.69	-40.24	-40.25	-40.53	-37.04	-3.20
		3.530 to 3.670	-40.02	-39.48	-39.85	-39.14	-37.04	-2.10



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 (92) / (223) pages

		3.670 to 3.679	-39.68	-39.70	-39.83	-39.66	-25.04	-14.62
		3.679 to 3.680	-38.58	-39.06	-39.55	-40.10	-25.04	-13.54
		3.700 to 3.701	-38.79	-39.46	-36.26	-39.18	-25.04	-11.22
		3.701 to 3.710	-40.08	-40.06	-40.06	-40.06	-25.04	-15.02
9		3.710 to 3.720	-40.50	-40.14	-40.05	-40.35	-37.04	-3.01
		3.530 to 3.670	-41.33	-40.69	-40.97	-40.58	-37.04	-3.54
		3.670 to 3.679	-41.02	-40.60	-40.50	-40.79	-25.04	-15.46
		3.679 to 3.680	-39.28	-39.35	-39.35	-39.68	-25.04	-14.24
		3.700 to 3.701	-40.55	-39.84	-40.01	-38.21	-25.04	-13.17
		3.701 to 3.710	-41.05	-40.80	-40.94	-40.65	-25.04	-15.61
10		3.710 to 3.720	-41.56	-41.31	-41.17	-41.16	-37.04	-4.12
		3.530 to 3.670	-40.18	-39.64	-40.06	-39.44	-37.04	-2.40
		3.670 to 3.679	-40.13	-39.74	-39.99	-39.94	-25.04	-14.70
		3.679 to 3.680	-39.12	-37.52	-39.58	-39.39	-25.04	-12.48
		3.700 to 3.701	-39.40	-38.76	-38.80	-39.40	-25.04	-13.72
		3.701 to 3.710	-40.16	-40.14	-40.12	-40.23	-25.04	-15.08
11		3.710 to 3.720	-40.62	-40.52	-40.52	-40.28	-37.04	-3.24
		3.530 to 3.670	-40.48	-40.13	-40.09	-39.63	-37.04	-2.59
		3.670 to 3.679	-40.28	-40.15	-40.14	-39.91	-25.04	-14.87
		3.679 to 3.680	-38.24	-37.23	-39.28	-38.76	-25.04	-12.19
		3.700 to 3.701	-38.50	-38.00	-39.83	-38.46	-25.04	-12.96
		3.701 to 3.710	-40.65	-40.22	-40.43	-40.47	-25.04	-15.18
12		3.710 to 3.720	-40.91	-40.59	-40.44	-40.53	-37.04	-3.40
		3.530 to 3.670	-40.94	-40.43	-40.76	-40.47	-37.04	-3.39
		3.670 to 3.679	-40.45	-40.33	-40.47	-40.40	-25.04	-15.29
		3.679 to 3.680	-39.52	-38.59	-39.94	-39.43	-25.04	-13.55
		3.700 to 3.701	-39.56	-38.64	-40.41	-40.22	-25.04	-13.60
		3.701 to 3.710	-40.82	-40.77	-40.50	-40.65	-25.04	-15.46
13		3.710 to 3.720	-41.32	-40.97	-40.67	-40.70	-37.04	-3.63
		3.530 to 3.670	-40.73	-40.39	-40.44	-39.90	-37.04	-2.86
		3.670 to 3.679	-40.50	-40.22	-40.13	-40.36	-25.04	-15.09
		3.679 to 3.680	-39.13	-38.60	-38.15	-38.79	-25.04	-13.11
		3.700 to 3.701	-40.06	-38.38	-38.72	-39.63	-25.04	-13.34
		3.701 to 3.710	-40.20	-40.63	-40.41	-40.31	-25.04	-15.16
14		3.710 to 3.720	-41.02	-40.30	-40.54	-40.60	-37.04	-3.26
		3.530 to 3.670	-41.13	-40.45	-40.65	-40.34	-37.04	-3.30
		3.670 to 3.679	-40.44	-40.41	-40.27	-39.67	-25.04	-14.63
		3.679 to 3.680	-38.79	-37.77	-38.83	-39.80	-25.04	-12.73
		3.700 to 3.701	-40.68	-39.19	-39.45	-39.37	-25.04	-14.15
		3.701 to 3.710	-40.81	-40.47	-40.50	-40.34	-25.04	-15.30
15		3.710 to 3.720	-40.98	-40.79	-40.91	-40.64	-37.04	-3.60
		3.530 to 3.670	-41.82	-41.62	-41.74	-41.29	-37.04	-4.25
		3.670 to 3.679	-41.70	-41.49	-41.43	-40.84	-25.04	-15.80
		3.679 to 3.680	-39.84	-38.79	-39.56	-40.07	-25.04	-13.75
		3.700 to 3.701	-39.92	-41.43	-39.06	-40.92	-25.04	-14.02
		3.701 to 3.710	-41.92	-41.40	-41.82	-41.47	-25.04	-16.36
		3.710 to 3.720	-42.41	-42.20	-42.18	-42.03	-37.04	-4.99

Table 8-35. Channel Edge Emission Summary Data (n48_1C_20M)

**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 (93) / (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	-47.24	-47.37	-47.02	-46.72	-37.04	-9.68
		3.540 to 3.549	-41.58	-42.01	-41.30	-41.08	-25.04	-16.04
		3.549 to 3.550	-34.10	-35.94	-35.39	-35.40	-25.04	-9.06
		3.580 to 3.581	-34.80	-34.65	-34.79	-35.22	-25.04	-9.61
		3.581 to 3.590	-40.29	-41.17	-40.43	-40.41	-25.04	-15.25
		3.590 to 3.720	-40.11	-41.13	-40.21	-40.29	-37.04	-3.07
	1	3.530 to 3.540	-47.25	-48.36	-47.35	-47.24	-37.04	-10.20
		3.540 to 3.549	-41.71	-42.65	-42.25	-42.16	-25.04	-16.67
		3.549 to 3.550	-34.62	-34.80	-35.20	-35.17	-25.04	-9.58
		3.580 to 3.581	-35.15	-33.42	-34.36	-34.61	-25.04	-8.38
		3.581 to 3.590	-41.03	-41.63	-41.33	-41.14	-25.04	-15.99
		3.590 to 3.720	-40.77	-41.82	-40.55	-40.68	-37.04	-3.51
	2	3.530 to 3.540	-46.41	-46.63	-46.32	-45.84	-37.04	-8.80
		3.540 to 3.549	-40.68	-41.40	-41.19	-40.59	-25.04	-15.55
		3.549 to 3.550	-35.32	-34.86	-34.85	-33.82	-25.04	-8.78
		3.580 to 3.581	-33.77	-34.49	-33.51	-33.96	-25.04	-8.47
		3.581 to 3.590	-39.73	-40.57	-40.25	-39.91	-25.04	-14.69
		3.590 to 3.720	-39.68	-40.81	-39.48	-39.64	-37.04	-2.44
	3	3.530 to 3.540	-48.31	-48.34	-47.82	-47.94	-37.04	-10.78
		3.540 to 3.549	-42.09	-42.57	-42.13	-41.57	-25.04	-16.53
		3.549 to 3.550	-35.74	-36.53	-35.67	-34.92	-25.04	-9.88
		3.580 to 3.581	-34.20	-33.87	-33.24	-34.47	-25.04	-8.20
		3.581 to 3.590	-40.67	-41.26	-41.01	-40.70	-25.04	-15.63
		3.590 to 3.720	-40.32	-41.42	-40.25	-40.37	-37.04	-3.21
	4	3.530 to 3.540	-46.33	-47.55	-46.30	-46.29	-37.04	-9.25
		3.540 to 3.549	-41.01	-42.54	-41.11	-41.04	-25.04	-15.97
		3.549 to 3.550	-34.92	-34.16	-34.74	-34.13	-25.04	-9.09
		3.580 to 3.581	-33.10	-34.05	-34.65	-35.24	-25.04	-8.06
		3.581 to 3.590	-40.21	-41.24	-40.59	-40.25	-25.04	-15.17
		3.590 to 3.720	-40.05	-41.71	-40.46	-40.22	-37.04	-3.01
	5	3.530 to 3.540	-48.61	-49.38	-48.50	-48.47	-37.04	-11.43
		3.540 to 3.549	-41.24	-42.65	-42.24	-41.64	-25.04	-16.20
		3.549 to 3.550	-34.58	-35.68	-35.91	-36.20	-25.04	-9.54
		3.580 to 3.581	-33.66	-32.92	-34.78	-35.44	-25.04	-7.88
		3.581 to 3.590	-40.75	-41.41	-40.95	-40.76	-25.04	-15.71
		3.590 to 3.720	-40.49	-41.61	-40.53	-40.06	-37.04	-3.02
	6	3.530 to 3.540	-47.49	-48.52	-47.36	-46.97	-37.04	-9.93
		3.540 to 3.549	-41.00	-41.63	-41.47	-41.50	-25.04	-15.96
		3.549 to 3.550	-34.31	-35.47	-34.31	-34.16	-25.04	-9.12
		3.580 to 3.581	-32.97	-33.10	-33.13	-34.99	-25.04	-7.93
		3.581 to 3.590	-40.13	-41.52	-40.50	-40.19	-25.04	-15.09
		3.590 to 3.720	-39.77	-41.47	-40.07	-40.05	-37.04	-2.73
	7	3.530 to 3.540	-47.46	-48.30	-47.22	-47.20	-37.04	-10.16
		3.540 to 3.549	-41.51	-42.89	-41.68	-41.38	-25.04	-16.34
		3.549 to 3.550	-34.34	-35.48	-34.66	-33.38	-25.04	-8.34
		3.580 to 3.581	-33.07	-34.45	-33.66	-35.71	-25.04	-8.03
		3.581 to 3.590	-40.04	-41.25	-40.80	-40.50	-25.04	-15.00
		3.590 to 3.720	-40.14	-41.45	-40.07	-40.21	-37.04	-3.03
	8	3.530 to 3.540	-46.65	-47.15	-46.67	-46.34	-37.04	-9.30
		3.540 to 3.549	-40.65	-41.49	-40.92	-40.76	-25.04	-15.61
		3.549 to 3.550	-34.73	-33.49	-36.11	-34.52	-25.04	-8.45
		3.580 to 3.581	-33.61	-35.00	-33.49	-35.46	-25.04	-8.45
		3.581 to 3.590	-39.95	-40.70	-40.18	-39.96	-25.04	-14.91
		3.590 to 3.720	-39.36	-40.67	-39.55	-39.56	-37.04	-2.32
	9	3.530 to 3.540	-47.73	-48.24	-47.32	-47.44	-37.04	-10.28
		3.540 to 3.549	-42.27	-43.03	-42.19	-42.09	-25.04	-17.05
		3.549 to 3.550	-34.73	-35.84	-34.99	-33.55	-25.04	-8.51
		3.580 to 3.581	-34.94	-34.61	-33.84	-36.23	-25.04	-8.80

**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 (94) / (223) pages

Mid	10	3.581 to 3.590	-40.92	-41.65	-40.99	-41.00	-25.04	-15.88
		3.590 to 3.720	-40.80	-41.91	-40.87	-40.64	-37.04	-3.60
		3.530 to 3.540	-44.64	-45.47	-44.42	-44.24	-37.04	-7.20
		3.540 to 3.549	-40.19	-41.26	-40.35	-41.01	-25.04	-15.15
		3.549 to 3.550	-32.94	-34.95	-35.17	-34.08	-25.04	-7.90
		3.580 to 3.581	-34.07	-33.49	-35.47	-35.44	-25.04	-8.45
		3.581 to 3.590	-39.91	-41.15	-40.03	-39.97	-25.04	-14.87
	11	3.590 to 3.720	-39.66	-40.76	-39.52	-39.67	-37.04	-2.48
		3.530 to 3.540	-46.72	-47.47	-46.48	-46.48	-37.04	-9.44
		3.540 to 3.549	-41.78	-41.68	-41.28	-40.93	-25.04	-15.89
		3.549 to 3.550	-35.05	-33.53	-35.14	-35.28	-25.04	-8.49
		3.580 to 3.581	-34.03	-34.80	-33.05	-35.48	-25.04	-8.01
		3.581 to 3.590	-40.53	-41.21	-40.57	-40.10	-25.04	-15.06
	12	3.590 to 3.720	-40.05	-40.93	-39.79	-40.07	-37.04	-2.75
		3.530 to 3.540	-47.97	-49.28	-47.90	-47.73	-37.04	-10.69
		3.540 to 3.549	-41.96	-43.39	-42.31	-42.23	-25.04	-16.92
		3.549 to 3.550	-35.10	-34.28	-35.05	-35.05	-25.04	-9.24
		3.580 to 3.581	-34.27	-34.73	-33.90	-36.29	-25.04	-8.86
		3.581 to 3.590	-40.87	-41.78	-41.01	-40.76	-25.04	-15.72
	13	3.590 to 3.720	-40.26	-42.16	-40.50	-40.68	-37.04	-3.22
		3.530 to 3.540	-47.96	-48.50	-47.79	-47.63	-37.04	-10.59
		3.540 to 3.549	-40.94	-42.61	-41.39	-41.66	-25.04	-15.90
		3.549 to 3.550	-32.87	-35.70	-35.50	-34.32	-25.04	-7.83
		3.580 to 3.581	-34.54	-33.20	-32.31	-34.68	-25.04	-7.27
		3.581 to 3.590	-40.30	-41.23	-40.45	-40.65	-25.04	-15.26
	14	3.590 to 3.720	-40.13	-41.21	-39.96	-40.19	-37.04	-2.92
		3.530 to 3.540	-47.37	-48.39	-46.99	-46.99	-37.04	-9.95
		3.540 to 3.549	-41.67	-42.84	-41.99	-41.86	-25.04	-16.63
		3.549 to 3.550	-34.20	-35.02	-35.19	-35.49	-25.04	-9.16
		3.580 to 3.581	-32.46	-35.25	-33.85	-35.04	-25.04	-7.42
		3.581 to 3.590	-40.61	-41.64	-40.62	-40.77	-25.04	-15.57
	15	3.590 to 3.720	-40.37	-41.91	-40.07	-40.43	-37.04	-3.03
		3.530 to 3.540	-46.65	-48.29	-46.57	-46.37	-37.04	-9.33
		3.540 to 3.549	-41.96	-43.67	-42.19	-42.07	-25.04	-16.92
		3.549 to 3.550	-34.19	-35.43	-35.62	-34.97	-25.04	-9.15
		3.580 to 3.581	-35.06	-36.01	-35.31	-34.14	-25.04	-9.10
		3.581 to 3.590	-41.42	-42.87	-41.74	-41.34	-25.04	-16.30
Mid	0	3.590 to 3.720	-41.32	-43.58	-41.33	-41.08	-37.04	-4.04
		3.530 to 3.600	-40.26	-40.35	-40.23	-40.65	-37.04	-3.19
		3.600 to 3.609	-39.91	-38.83	-38.91	-39.43	-25.04	-13.79
		3.609 to 3.610	-35.70	-35.14	-34.00	-35.17	-25.04	-8.96
		3.640 to 3.641	-34.99	-33.62	-34.92	-35.43	-25.04	-8.58
		3.641 to 3.650	-39.76	-39.31	-39.86	-39.79	-25.04	-14.27
	1	3.650 to 3.720	-40.58	-40.44	-40.82	-40.67	-37.04	-3.40
		3.530 to 3.600	-41.48	-40.97	-41.55	-41.37	-37.04	-3.93
		3.600 to 3.609	-39.62	-39.32	-39.57	-39.59	-25.04	-14.28
		3.609 to 3.610	-33.21	-34.17	-34.43	-35.16	-25.04	-8.17
		3.640 to 3.641	-33.83	-33.98	-35.70	-35.52	-25.04	-8.79
		3.641 to 3.650	-40.12	-39.81	-40.15	-40.31	-25.04	-14.77
	2	3.650 to 3.720	-41.01	-40.81	-40.96	-40.93	-37.04	-3.77
		3.530 to 3.600	-39.69	-39.72	-40.07	-40.19	-37.04	-2.65
		3.600 to 3.609	-38.71	-38.36	-38.89	-38.56	-25.04	-13.32
		3.609 to 3.610	-33.77	-34.21	-34.25	-34.16	-25.04	-8.73
		3.640 to 3.641	-34.32	-35.40	-34.73	-35.21	-25.04	-9.28
		3.641 to 3.650	-39.41	-39.12	-39.38	-39.44	-25.04	-14.08
	3	3.650 to 3.720	-39.88	-40.04	-40.18	-40.23	-37.04	-2.84
		3.530 to 3.600	-40.54	-40.81	-41.19	-41.01	-37.04	-3.50
		3.600 to 3.609	-38.93	-38.89	-39.57	-39.89	-25.04	-13.85
		3.609 to 3.610	-34.26	-33.18	-33.80	-33.67	-25.04	-8.14
		3.640 to 3.641	-33.74	-34.70	-35.05	-34.75	-25.04	-8.70
		3.641 to 3.650	-39.98	-39.68	-40.49	-40.41	-25.04	-14.64

**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 (95) / (223) pages

	4	3.650 to 3.720	-40.50	-40.75	-41.05	-40.85	-37.04	-3.46
		3.530 to 3.600	-40.60	-40.57	-41.18	-40.72	-37.04	-3.53
		3.600 to 3.609	-38.69	-39.18	-39.19	-39.17	-25.04	-13.65
		3.609 to 3.610	-34.99	-34.27	-33.37	-35.23	-25.04	-8.33
		3.640 to 3.641	-34.63	-34.00	-35.09	-35.58	-25.04	-8.96
		3.641 to 3.650	-39.79	-39.51	-40.30	-40.33	-25.04	-14.47
	5	3.650 to 3.720	-40.81	-40.53	-40.90	-40.67	-37.04	-3.49
		3.530 to 3.600	-40.58	-40.79	-41.28	-40.67	-37.04	-3.54
		3.600 to 3.609	-38.98	-39.21	-39.31	-39.43	-25.04	-13.94
		3.609 to 3.610	-33.81	-34.35	-34.35	-34.67	-25.04	-8.77
		3.640 to 3.641	-33.68	-33.87	-35.00	-34.41	-25.04	-8.64
		3.641 to 3.650	-39.75	-39.57	-40.11	-39.94	-25.04	-14.53
	6	3.650 to 3.720	-40.74	-40.38	-40.82	-40.73	-37.04	-3.34
		3.530 to 3.600	-40.39	-40.05	-40.65	-40.46	-37.04	-3.01
		3.600 to 3.609	-39.05	-38.33	-39.36	-38.97	-25.04	-13.29
		3.609 to 3.610	-33.49	-35.61	-33.59	-34.57	-25.04	-8.45
		3.640 to 3.641	-33.87	-34.00	-33.22	-34.27	-25.04	-8.18
		3.641 to 3.650	-39.34	-39.37	-39.65	-39.42	-25.04	-14.30
	7	3.650 to 3.720	-40.28	-40.30	-40.70	-40.31	-37.04	-3.24
		3.530 to 3.600	-40.43	-40.32	-40.57	-40.29	-37.04	-3.25
		3.600 to 3.609	-38.65	-38.60	-38.79	-38.95	-25.04	-13.56
		3.609 to 3.610	-33.17	-32.83	-33.25	-35.05	-25.04	-7.79
		3.640 to 3.641	-33.63	-32.27	-35.05	-34.51	-25.04	-7.23
		3.641 to 3.650	-39.60	-39.36	-39.58	-39.40	-25.04	-14.32
	8	3.650 to 3.720	-40.40	-40.23	-40.37	-40.26	-37.04	-3.19
		3.530 to 3.600	-39.94	-40.05	-40.00	-39.83	-37.04	-2.79
		3.600 to 3.609	-37.97	-37.96	-38.57	-38.91	-25.04	-12.92
		3.609 to 3.610	-34.65	-32.89	-32.70	-34.28	-25.04	-7.66
		3.640 to 3.641	-33.82	-34.15	-33.59	-33.89	-25.04	-8.55
		3.641 to 3.650	-39.40	-39.16	-39.43	-39.36	-25.04	-14.12
	9	3.650 to 3.720	-40.15	-40.00	-40.03	-39.77	-37.04	-2.73
		3.530 to 3.600	-41.15	-41.46	-41.27	-41.33	-37.04	-4.11
		3.600 to 3.609	-39.46	-39.13	-39.95	-39.67	-25.04	-14.09
		3.609 to 3.610	-34.26	-34.03	-33.64	-35.38	-25.04	-8.60
		3.640 to 3.641	-34.99	-33.86	-35.03	-35.01	-25.04	-8.82
		3.641 to 3.650	-40.14	-39.97	-40.49	-40.39	-25.04	-14.93
	10	3.650 to 3.720	-41.06	-40.94	-41.33	-41.55	-37.04	-3.90
		3.530 to 3.600	-39.92	-40.32	-40.15	-40.42	-37.04	-2.88
		3.600 to 3.609	-38.71	-38.31	-38.47	-38.48	-25.04	-13.27
		3.609 to 3.610	-34.18	-34.64	-35.73	-34.04	-25.04	-9.00
		3.640 to 3.641	-34.02	-32.57	-35.34	-34.37	-25.04	-7.53
		3.641 to 3.650	-39.50	-39.17	-39.67	-39.10	-25.04	-14.06
	11	3.650 to 3.720	-40.35	-40.15	-40.00	-40.19	-37.04	-2.96
		3.530 to 3.600	-40.51	-40.67	-40.54	-40.78	-37.04	-3.47
		3.600 to 3.609	-39.00	-38.50	-38.80	-39.16	-25.04	-13.46
		3.609 to 3.610	-35.35	-34.52	-35.20	-35.24	-25.04	-9.48
		3.640 to 3.641	-33.71	-35.20	-35.29	-34.63	-25.04	-8.67
		3.641 to 3.650	-39.75	-39.78	-39.95	-39.99	-25.04	-14.71
	12	3.650 to 3.720	-40.60	-40.41	-40.59	-40.66	-37.04	-3.37
		3.530 to 3.600	-40.49	-40.88	-41.01	-41.30	-37.04	-3.45
		3.600 to 3.609	-38.86	-39.10	-39.37	-39.20	-25.04	-13.82
		3.609 to 3.610	-33.79	-34.08	-34.85	-35.33	-25.04	-8.75
		3.640 to 3.641	-33.71	-34.19	-34.87	-35.07	-25.04	-8.67
		3.641 to 3.650	-40.09	-39.81	-40.44	-39.86	-25.04	-14.77
	13	3.650 to 3.720	-40.63	-40.83	-40.96	-41.02	-37.04	-3.59
		3.530 to 3.600	-40.63	-40.79	-40.59	-40.22	-37.04	-3.18
		3.600 to 3.609	-39.03	-38.68	-39.08	-39.39	-25.04	-13.64
		3.609 to 3.610	-33.94	-33.79	-34.24	-35.04	-25.04	-8.75
		3.640 to 3.641	-34.29	-34.40	-34.07	-33.28	-25.04	-8.24
		3.641 to 3.650	-39.72	-39.44	-40.06	-39.88	-25.04	-14.40
		3.650 to 3.720	-40.51	-40.35	-40.87	-40.73	-37.04	-3.31