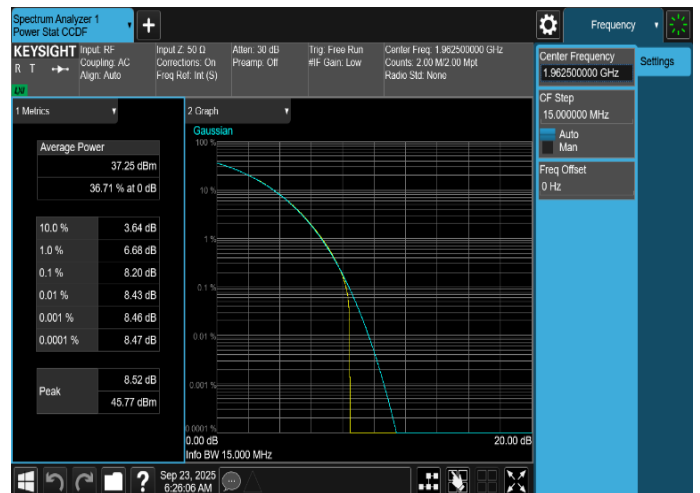
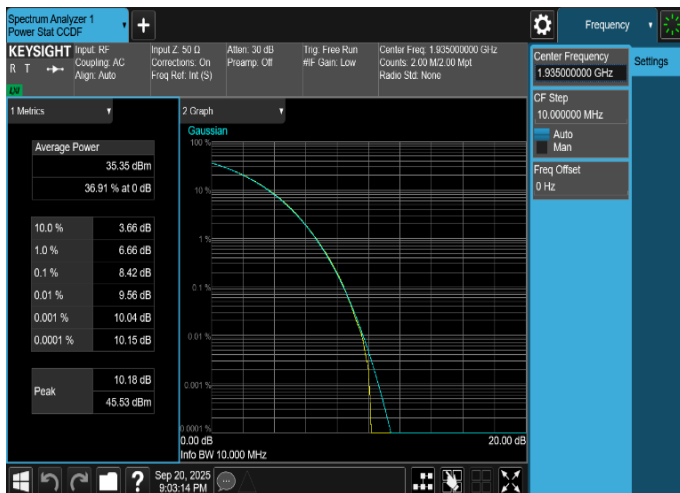
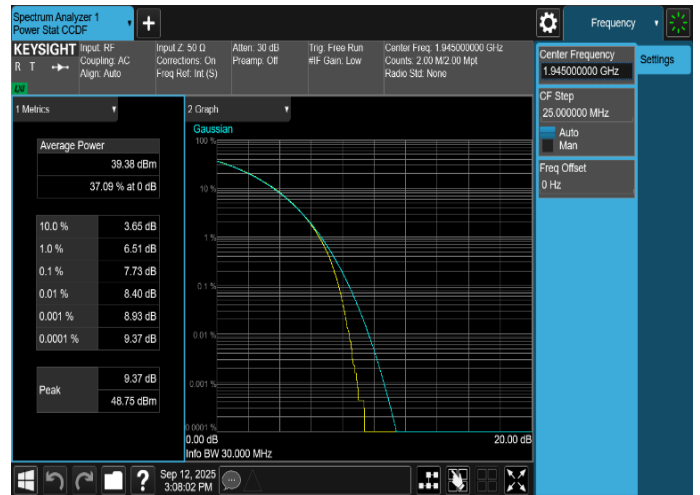
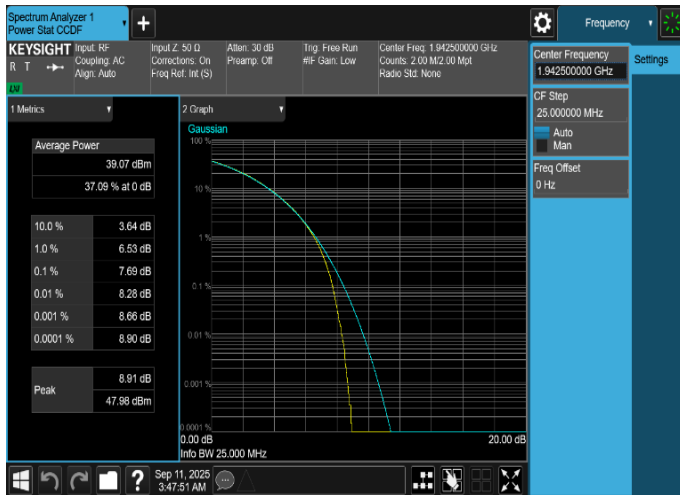
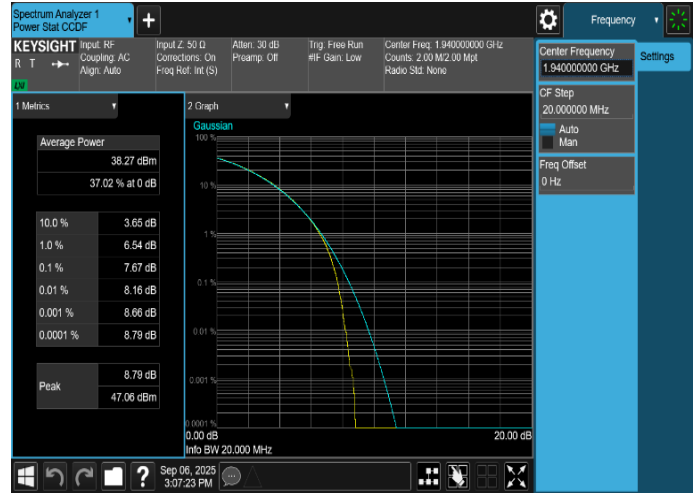
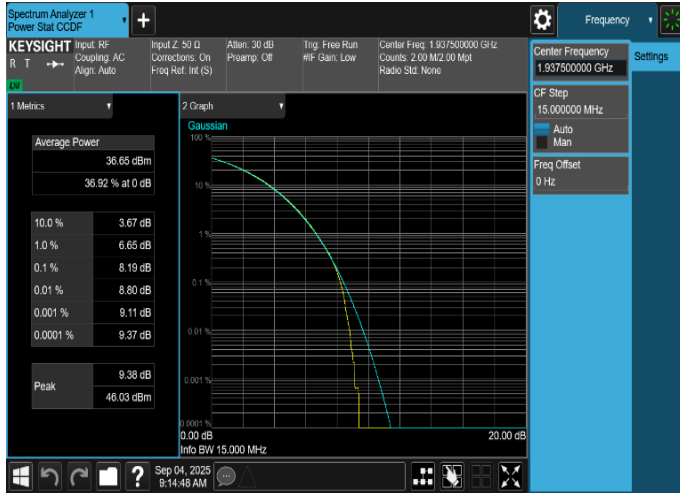




CTK Co., Ltd.

(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-2025-03129-1
Page (234) / (480) pages

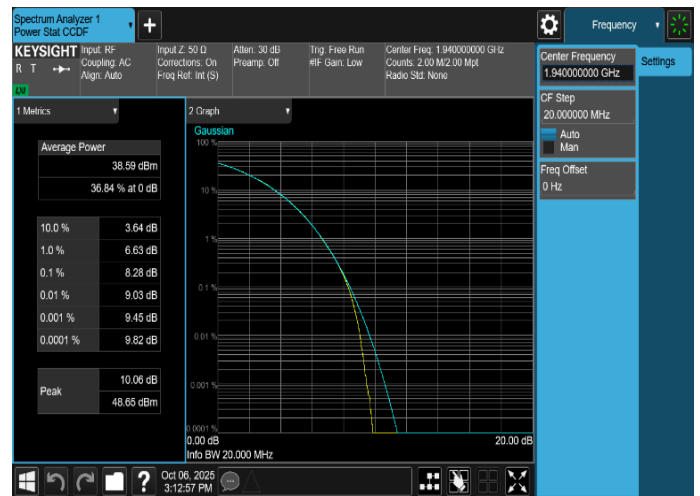
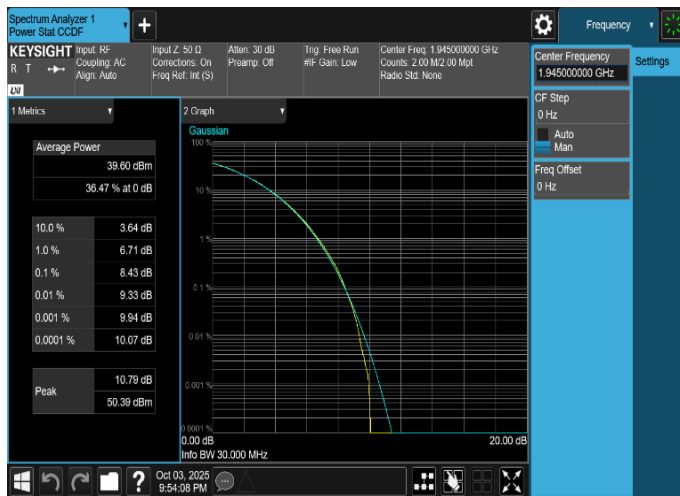
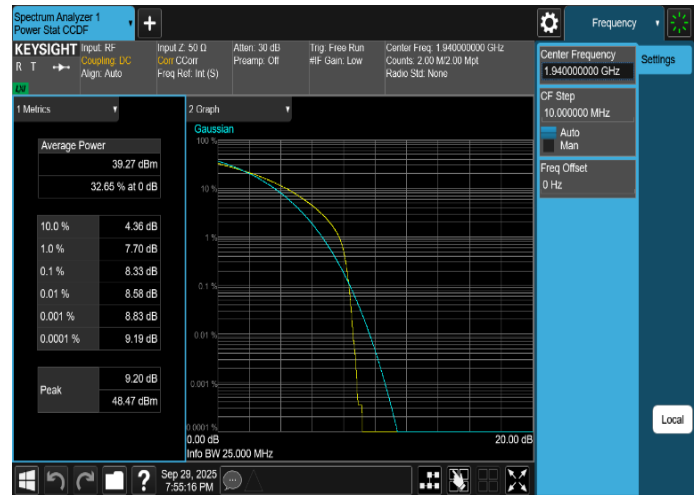
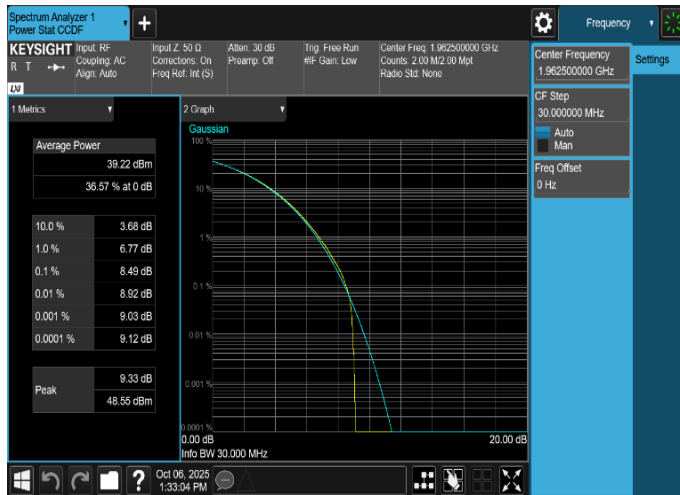
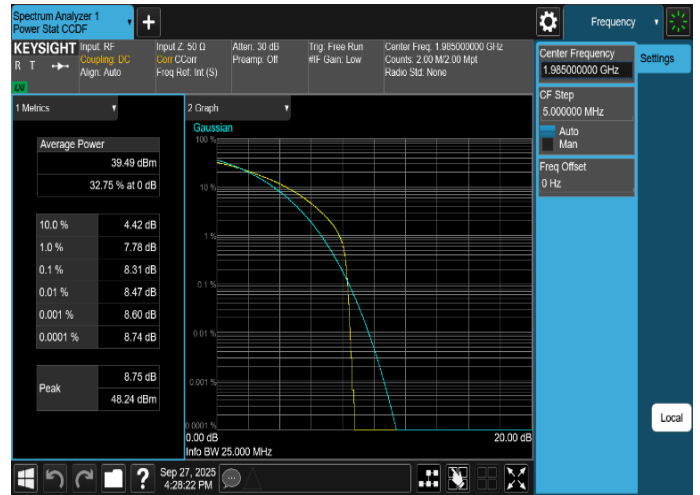
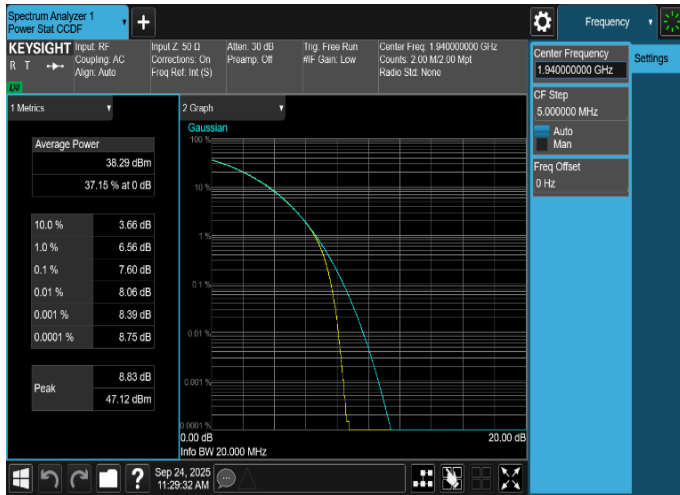




CTK Co., Ltd.

(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-2025-03129-1
Page (235) / (480) pages

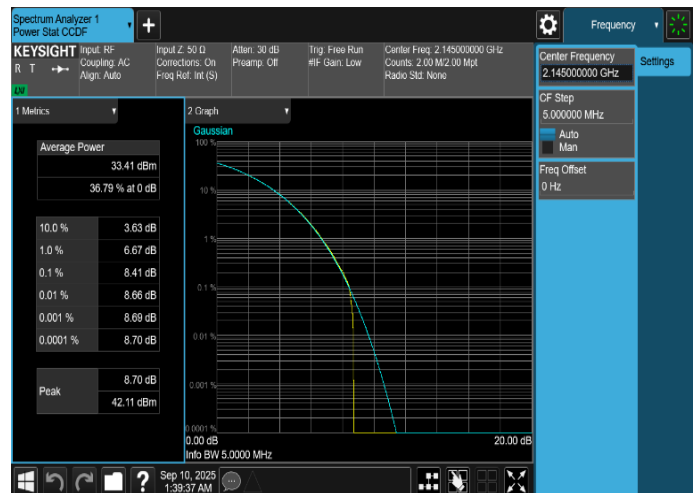
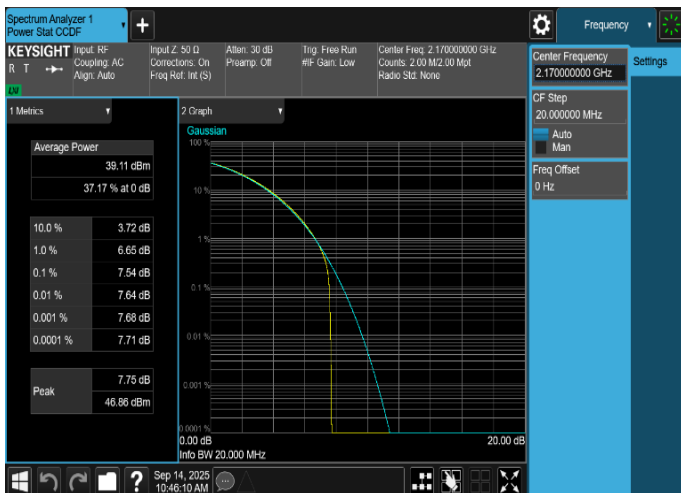
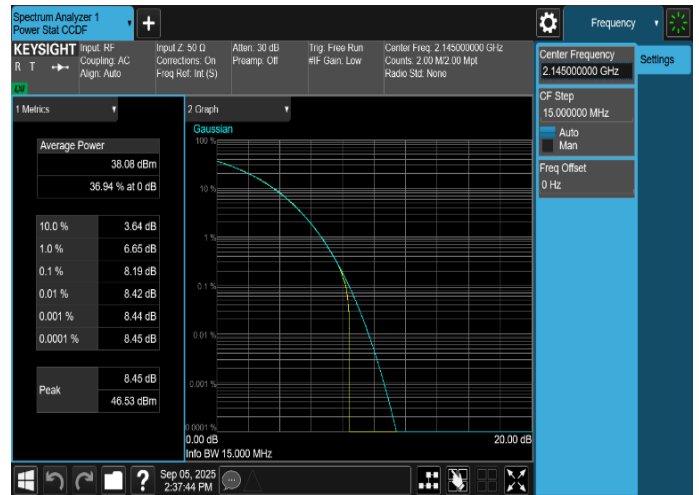
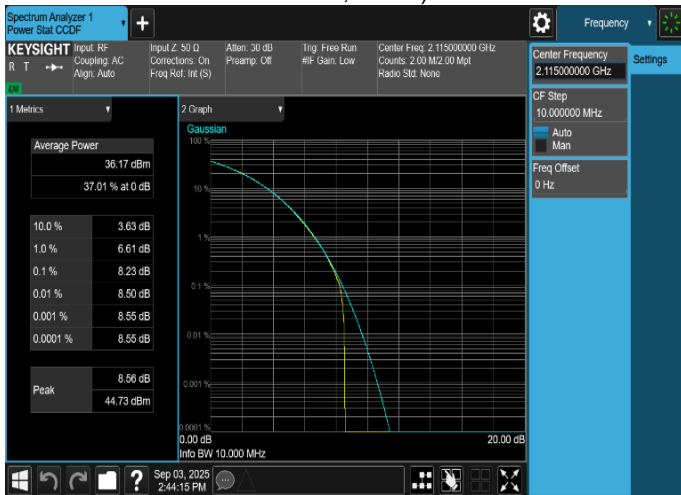
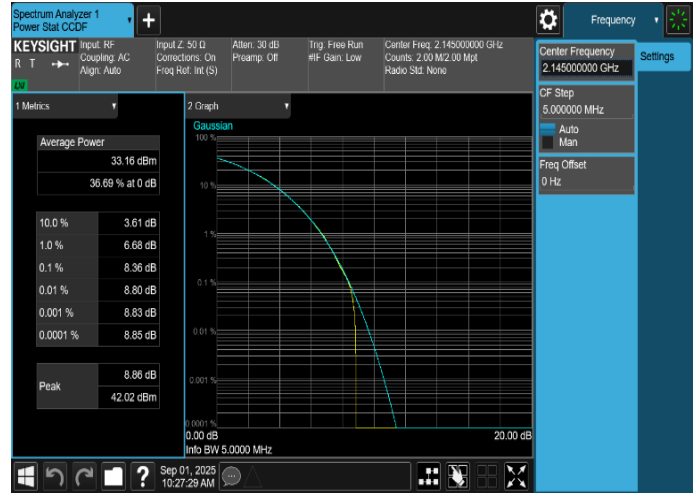
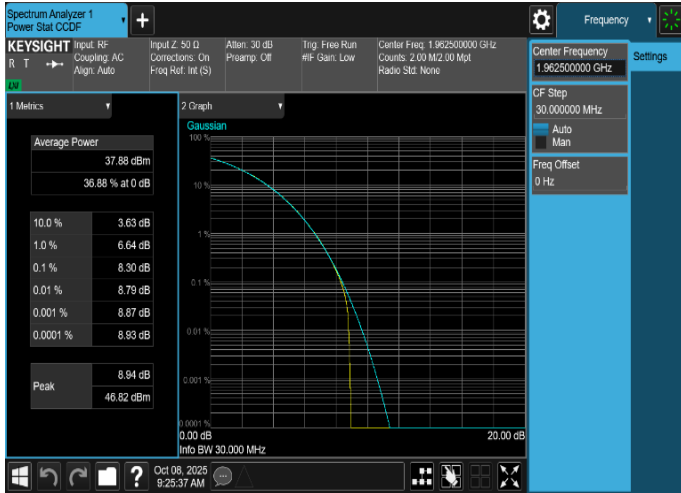




CTK Co., Ltd.

(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-2025-03129-1
Page (236) / (480) pages

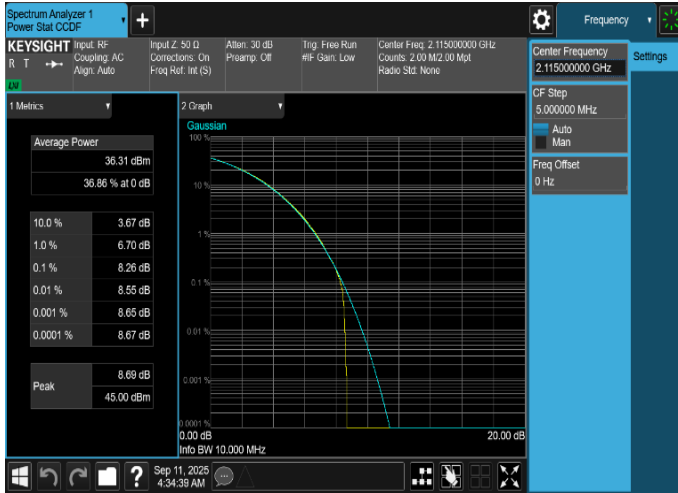




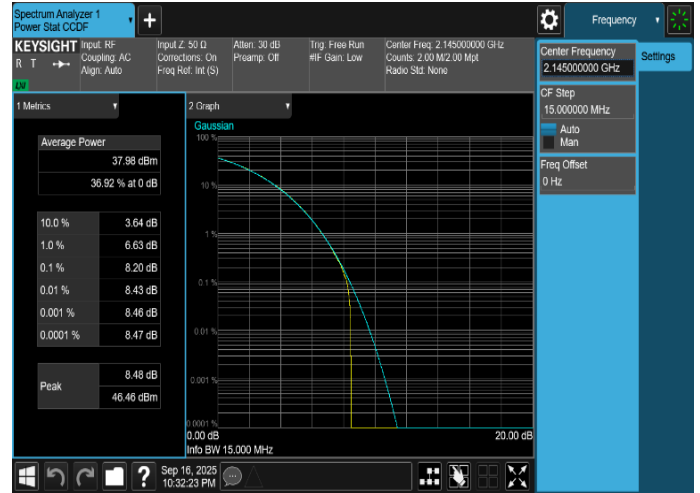
CTK Co., Ltd.

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

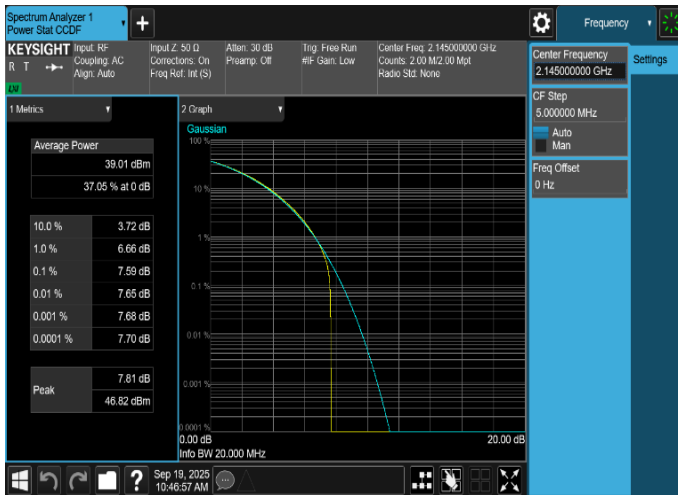
REPORT No.:
CTK-2025-03129-1
Page (237) / (480) pages



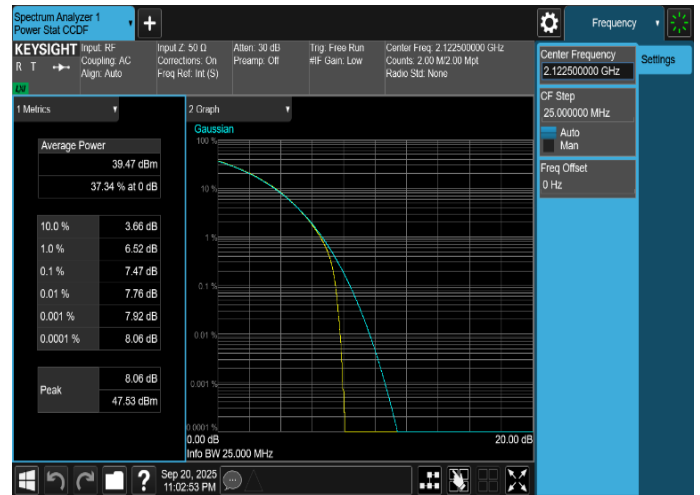
Plot 8-177. Peak To Average Power Ratio Plot
(NR_n66_1C_10M_QPSK - Low Channel, Port 23)



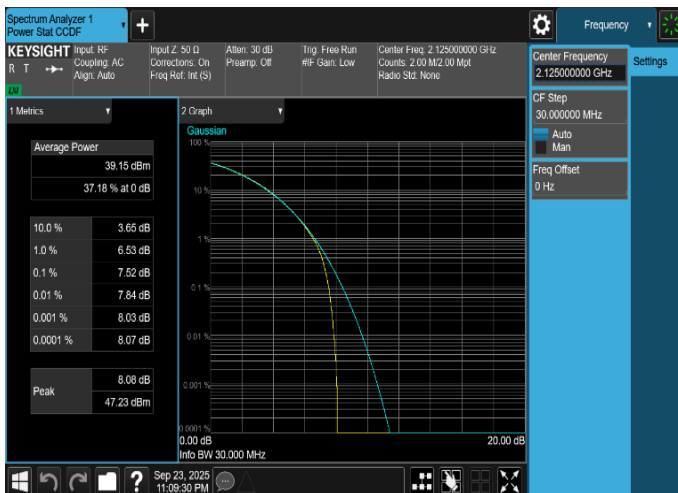
Plot 8-178. Peak To Average Power Ratio Plot
(NR_n66_1C_15M_256QAM - Mid Channel, Port 21)



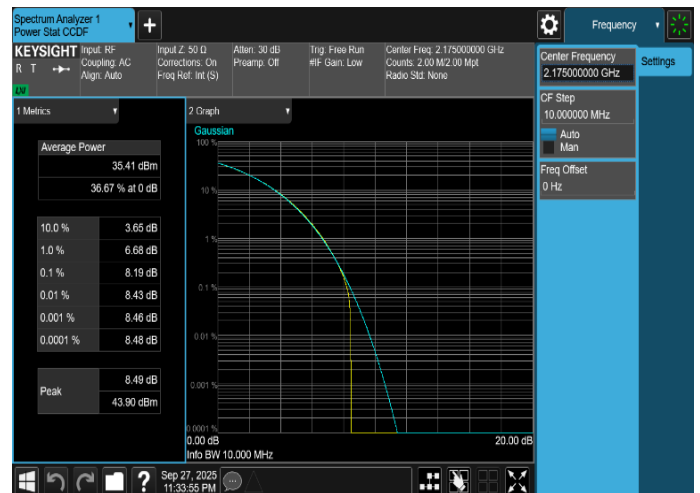
Plot 8-179. Peak To Average Power Ratio Plot
(NR_n66_1C_20M_64QAM - Mid Channel, Port 16)



Plot 8-180. Peak To Average Power Ratio Plot
(NR_n66_1C_25M_64QAM - Low Channel, Port 7)



Plot 8-181. Peak To Average Power Ratio Plot
(NR_n66_1C_30M_256QAM - Low Channel, Port 28)



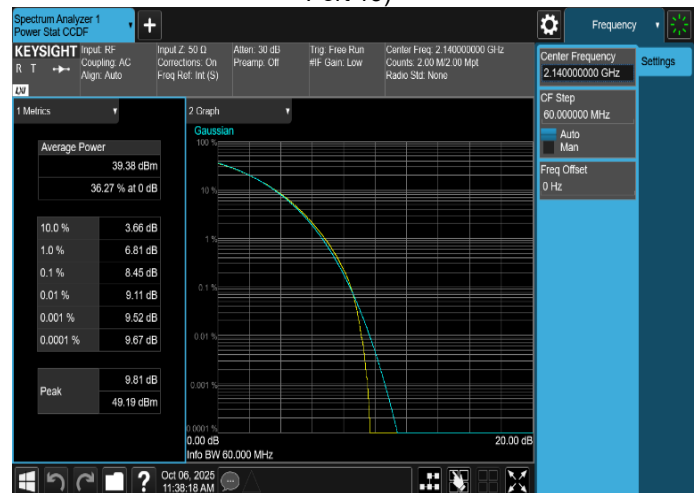
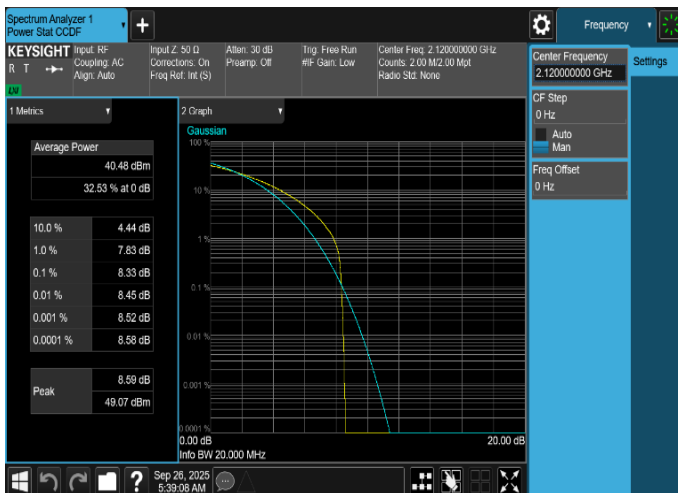
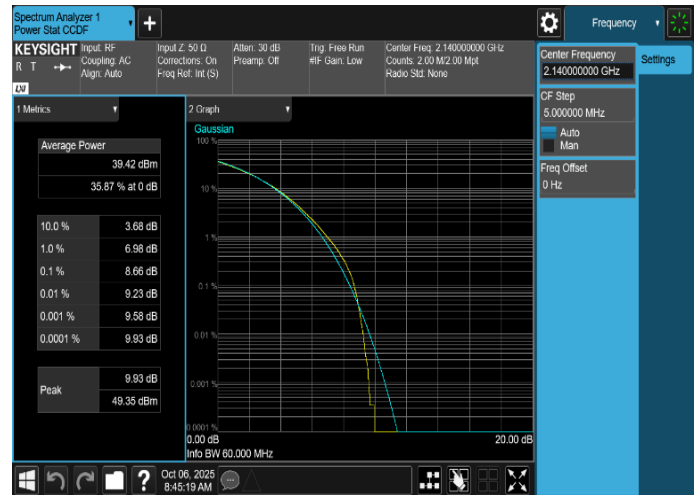
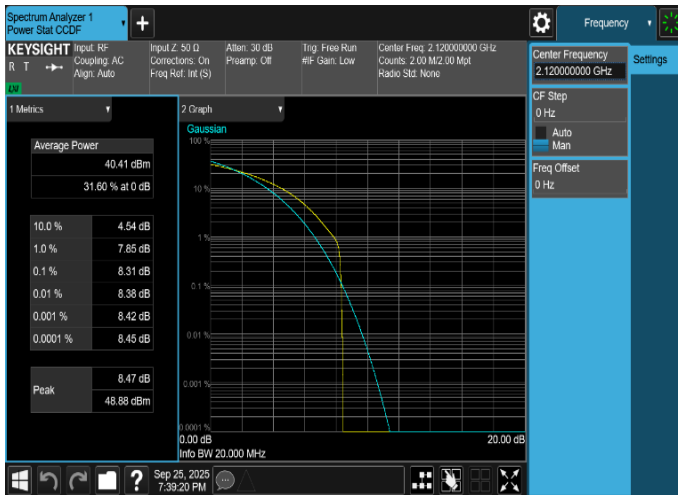
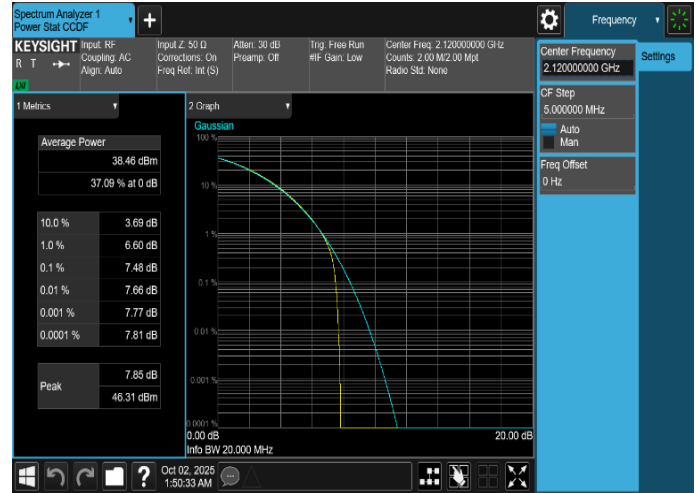
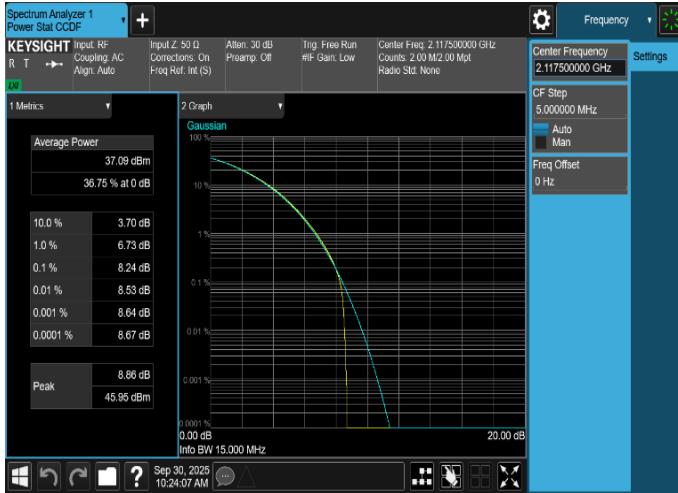
Plot 8-182. Peak To Average Power Ratio Plot
(DSS_B/n66_1C_10M_16QAM - High Channel, Port 6)



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-2025-03129-1
Page (238) / (480) pages

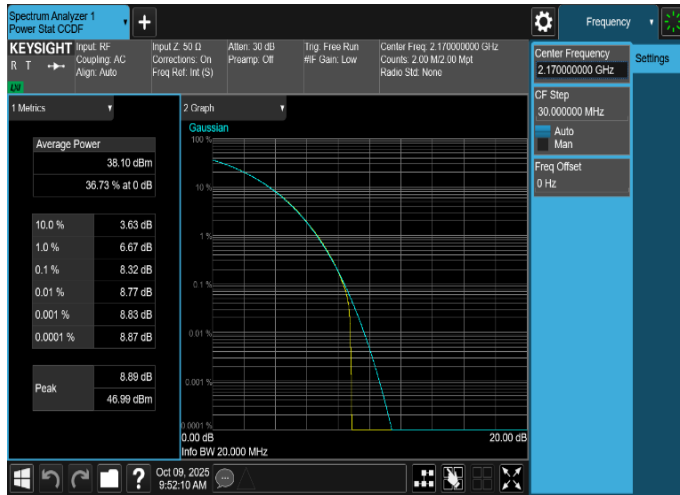




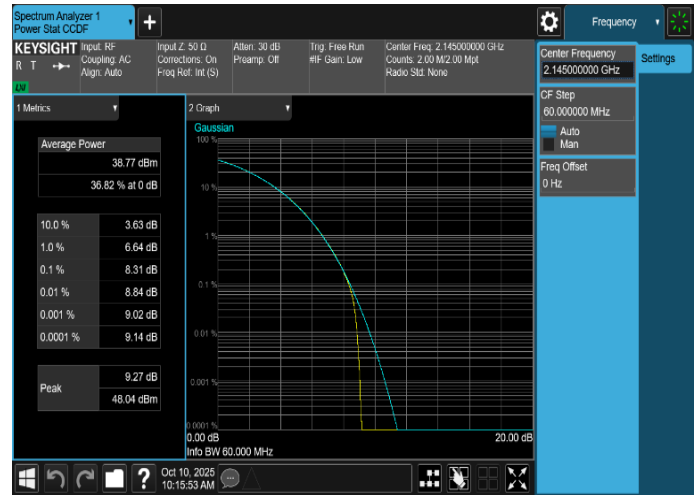
CTK Co., Ltd.

(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-2025-03129-1
Page (239) / (480) pages



Plot 8-189. Peak To Average Power Ratio Plot
(MSR_B/n66_3C_LTE 5M+NR 5M+DSS 10M_QPSK - High
Channel, Port 12)



Plot 8-190. Peak To Average Power Ratio Plot
(MSR_B/n66_4C_LTE 10M+NR 10M+NR 20M+DSS
20M_QPSK - Mid Channel, Port 12)

8.5 Band 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

KDB 971168 D01 v03r01 – Section 6

KDB 662911 D01 v02r01 – Section E)3) Out-of-Band and Spurious Emission Measurements

a) Absolute Emission Limits

iii) Measure and add $10 \log(N_{ANT})$ dB

ANSI C63.26-2015 – Section 5.7.3

Test Setting

1. Start and stop frequency were set such that the band 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 band edge
3. RBW: Please see test notes below.
4. $VBW \geq 3 \times RBW$
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span}/RBW$
7. Trace mode = trace average
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

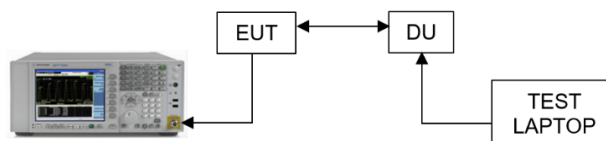


Figure 8-4. Test Instrument & Measurement Setup

**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-2025-03129-1
Page (241) / (480) pages

Limit**§ 24.238**

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

§ 27.53

(1) General protection levels. Except as otherwise specified below, for operations in the 1695–1710 MHz, 1710–1755 MHz, 1755–1780 MHz, 1915–1920 MHz, 1995–2000 MHz, 2000–2020 MHz, 2110–2155 MHz, 2155–2180 MHz, and 2180–2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

Test Notes

1. Per Part 24, Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
2. Per Part 27, Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
3. Detect with a margin of under 1dB to limit, the integration method was performed using the spectrum analyzer's band power functions according to ANSI C63.26-2015 – Section 5.7 and using the method KDB 971168 D01 v03r01 - Section E) 3) ii). 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.
4. The limits were adjusted by a factor of $[-10 \cdot \log(32)]$ dB to account for the device operation as a 32 port MIMO transmitter, as per FCC KDB 622911. MIMO Factor calculation as below:
 $\text{MIMO Factor} = 10 \cdot \log(32) = 15.05 \text{ dB}$

Frequency range	Basic Limit (dBm/MHz)	32Tx MIMO Factor (dB)	RBW Factor (dB)	Adjusted limit (dBm)
Low band edge – 1MHz	-13.00	15.05	0	-28.05
High band edge + 1MHz	-13.00	15.05	0	-28.05

Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor - RBW 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-2025-03129-1
Page (242) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-30.23	-30.31	-30.03	-30.16	-28.05	-1.98
	1		-30.02	-30.11	-30.06	-29.92		-1.87
	2		-30.14	-30.21	-29.97	-30.07		-1.92
	3		-30.14	-30.54	-30.20	-29.90		-1.85
	4		-29.73	-30.10	-29.87	-30.00		-1.68
	5		-29.97	-30.23	-30.34	-30.06		-1.92
	6		-30.03	-30.27	-30.11	-30.06		-1.98
	7		-29.75	-30.09	-29.70	-30.01		-1.65
	8		-29.99	-30.29	-30.03	-29.89		-1.84
	9		-29.86	-30.02	-29.91	-29.87		-1.81
	10		-29.78	-30.11	-29.73	-29.89		-1.68
	11		-29.94	-30.13	-30.04	-29.67		-1.61
	12		-29.94	-30.44	-29.94	-30.17		-1.88
	13		-29.89	-30.10	-29.85	-30.00		-1.80
	14		-29.70	-29.89	-29.96	-29.83		-1.65
	15		-29.98	-30.53	-30.12	-30.13		-1.93
	16		-29.73	-30.16	-29.75	-29.63		-1.58
	17		-29.80	-30.28	-29.86	-29.86		-1.75
	18		-29.65	-29.92	-29.99	-29.64		-1.59
	19		-29.67	-30.32	-29.80	-29.82		-1.61
	20		-29.83	-30.25	-29.85	-29.90		-1.78
	21		-29.85	-30.14	-29.93	-29.87		-1.80
	22		-29.71	-30.01	-30.00	-29.76		-1.66
	23		-29.62	-30.25	-29.67	-30.07		-1.57
	24		-29.86	-30.28	-29.95	-29.82		-1.77
	25		-29.75	-30.08	-30.10	-29.69		-1.64
	26		-29.61	-29.80	-29.57	-29.70		-1.52
	27		-29.53	-30.15	-29.72	-29.93		-1.48
	28		-30.01	-30.21	-30.01	-30.00		-1.94
	29		-29.74	-30.08	-29.74	-29.93		-1.68
	30		-29.90	-30.12	-29.80	-29.74		-1.69
	31		-29.68	-30.08	-29.82	-29.59		-1.54
High	0	1995 to 1996 MHz	-29.99	-30.25	-29.94	-29.53	-28.05	-1.48
	1		-30.06	-29.81	-30.00	-29.15		-1.10
	2		-29.98	-30.36	-30.20	-29.65		-1.59
	3		-30.29	-30.09	-30.14	-29.46		-1.41
	4		-30.51	-30.14	-30.26	-29.46		-1.41
	5		-30.32	-30.39	-30.23	-29.52		-1.47
	6		-30.18	-30.47	-30.40	-29.59		-1.54
	7		-30.35	-30.20	-29.96	-29.20		-1.14
	8		-30.09	-30.22	-30.26	-29.78		-1.73
	9		-30.36	-29.90	-30.19	-29.34		-1.29
	10		-29.86	-30.13	-29.86	-29.31		-1.26
	11		-30.19	-30.39	-30.14	-29.68		-1.63
	12		-30.24	-30.30	-30.14	-29.50		-1.44
	13		-29.99	-29.75	-30.06	-29.34		-1.28
	14		-30.09	-30.43	-30.35	-29.39		-1.34
	15		-30.35	-30.22	-30.36	-29.43		-1.37
	16		-30.06	-30.15	-29.80	-29.20		-1.14
	17		-29.95	-29.94	-29.97	-29.15		-1.10
	18		-30.18	-30.35	-30.40	-29.38		-1.33
	19		-30.19	-30.40	-29.93	-29.55		-1.50
	20		-29.84	-29.96	-30.18	-29.43		-1.38
	21		-29.82	-30.02	-30.09	-29.59		-1.54
	22		-29.89	-30.10	-29.92	-29.14		-1.09
	23		-30.03	-30.32	-29.96	-29.45		-1.40
	24		-30.34	-30.14	-29.91	-29.55		-1.50
	25		-29.71	-29.57	-29.95	-29.28		-1.23
	26		-30.25	-30.09	-29.97	-29.17		-1.12
	27		-30.02	-30.20	-29.90	-29.55		-1.50
	28		-30.28	-30.26	-30.02	-29.55		-1.49
	29		-29.86	-30.30	-29.96	-29.20		-1.15
	30		-30.10	-30.14	-30.30	-29.75		-1.69
	31		-30.42	-30.17	-30.21	-29.71		-1.66

Table 8-100. Band Edge Emission Summary Data (LTE_B25_1C_5M)

**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-2025-03129-1
Page (243) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-31.63	-32.11	-32.30	-32.69	-28.05	-3.58
	1		-31.86	-31.40	-32.99	-32.14		-3.35
	2		-32.84	-31.66	-32.61	-31.53		-3.48
	3		-31.61	-32.80	-31.90	-32.82		-3.55
	4		-31.27	-31.84	-31.38	-31.82		-3.22
	5		-33.08	-32.54	-31.71	-31.12		-3.07
	6		-31.36	-31.39	-32.08	-32.17		-3.31
	7		-31.46	-32.45	-31.60	-31.28		-3.23
	8		-31.66	-32.48	-32.76	-31.46		-3.41
	9		-31.55	-32.26	-31.49	-31.70		-3.43
	10		-30.69	-32.23	-31.86	-32.94		-2.64
	11		-32.19	-32.03	-32.98	-31.78		-3.73
	12		-31.59	-31.61	-32.91	-31.37		-3.32
	13		-33.23	-32.15	-31.65	-32.55		-3.60
	14		-32.47	-32.26	-32.29	-31.87		-3.82
	15		-32.34	-32.61	-32.02	-32.57		-3.97
	16		-31.34	-31.75	-31.22	-32.34		-3.17
	17		-31.59	-31.77	-31.66	-31.75		-3.54
	18		-31.93	-31.41	-31.70	-32.46		-3.36
	19		-31.81	-31.38	-32.83	-31.82		-3.33
	20		-32.72	-32.48	-32.01	-32.22		-3.95
	21		-31.55	-32.35	-32.53	-32.10		-3.49
	22		-31.34	-32.11	-32.50	-31.64		-3.28
	23		-31.18	-31.20	-31.88	-31.86		-3.12
	24		-33.24	-31.53	-31.72	-31.62		-3.48
	25		-31.87	-33.43	-31.80	-31.81		-3.75
	26		-31.52	-31.56	-30.84	-32.64		-2.79
	27		-31.64	-31.90	-30.55	-31.20		-2.49
	28		-31.93	-31.22	-32.13	-32.17		-3.17
	29		-31.56	-31.12	-31.87	-32.00		-3.07
	30		-32.32	-32.09	-31.88	-31.83		-3.78
	31		-31.51	-31.62	-31.43	-32.23		-3.38
High	0	1995 to 1996 MHz	-32.83	-31.89	-32.89	-32.84	-28.05	-3.84
	1		-32.06	-31.45	-31.10	-32.21		-3.05
	2		-32.91	-32.30	-32.33	-32.39		-4.25
	3		-31.86	-32.48	-32.64	-33.07		-3.81
	4		-32.92	-32.09	-32.13	-33.65		-4.04
	5		-31.61	-31.78	-32.30	-32.23		-3.56
	6		-33.50	-31.95	-33.07	-33.62		-3.90
	7		-31.58	-32.51	-31.86	-31.95		-3.53
	8		-32.90	-31.99	-33.15	-33.26		-3.94
	9		-31.72	-33.55	-31.19	-32.65		-3.14
	10		-30.98	-32.26	-31.31	-32.69		-2.92
	11		-31.98	-32.32	-32.35	-32.94		-3.92
	12		-33.10	-31.41	-31.63	-31.54		-3.36
	13		-32.62	-31.65	-31.74	-32.93		-3.60
	14		-31.29	-32.30	-32.30	-32.57		-3.23
	15		-32.71	-33.12	-33.11	-32.60		-4.54
	16		-31.99	-32.62	-32.01	-31.94		-3.89
	17		-31.62	-32.09	-32.48	-31.24		-3.19
	18		-32.01	-32.33	-32.31	-33.20		-3.96
	19		-32.93	-32.44	-32.33	-32.52		-4.28
	20		-32.04	-32.54	-31.63	-32.45		-3.58
	21		-33.21	-32.77	-32.02	-31.86		-3.81
	22		-32.12	-32.37	-32.47	-31.99		-3.94
	23		-31.77	-31.94	-33.14	-31.64		-3.58
	24		-31.81	-32.47	-32.18	-32.59		-3.76
	25		-32.86	-31.93	-31.77	-32.37		-3.71
	26		-32.46	-32.13	-31.76	-32.96		-3.71
	27		-33.70	-31.88	-31.90	-32.68		-3.83
	28		-32.47	-32.25	-31.69	-32.42		-3.64
	29		-32.84	-33.11	-32.70	-31.94		-3.89
	30		-31.93	-32.44	-31.70	-32.50		-3.64
	31		-31.64	-32.29	-32.09	-32.62		-3.59

Table 8-101. Band Edge Emission Summary Data (LTE_B25_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-2025-03129-1
Page (244) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-33.08	-33.68	-33.00	-33.64	-28.05	-4.95
	1		-33.90	-33.19	-33.45	-33.95		-5.14
	2		-33.67	-33.68	-33.34	-33.64		-5.28
	3		-33.11	-33.77	-33.94	-33.29		-5.06
	4		-33.50	-33.36	-33.79	-32.99		-4.94
	5		-33.18	-33.74	-33.65	-33.68		-5.13
	6		-33.67	-33.71	-33.26	-33.77		-5.21
	7		-33.13	-32.93	-33.19	-33.42		-4.88
	8		-33.25	-31.51	-30.89	-33.50		-2.83
	9		-32.98	-33.11	-32.59	-33.57		-4.54
	10		-32.55	-32.96	-32.87	-32.58		-4.50
	11		-32.93	-32.98	-33.56	-32.51		-4.46
	12		-33.46	-33.56	-33.41	-33.79		-5.35
	13		-33.09	-33.40	-34.17	-33.82		-5.04
	14		-33.12	-33.11	-32.98	-33.45		-4.93
	15		-33.37	-33.68	-33.19	-33.25		-5.14
	16		-32.92	-33.07	-33.55	-33.39		-4.86
	17		-33.55	-33.17	-33.24	-33.25		-5.12
	18		-33.15	-33.44	-33.17	-32.80		-4.75
	19		-32.32	-33.26	-33.66	-33.04		-4.26
	20		-33.11	-33.52	-34.40	-33.29		-5.06
	21		-33.25	-33.40	-32.59	-32.96		-4.54
	22		-33.61	-33.69	-33.16	-32.97		-4.92
	23		-33.09	-32.54	-32.34	-33.46		-4.29
	24		-32.86	-33.36	-33.36	-33.34		-4.81
	25		-32.81	-33.30	-33.79	-33.62		-4.75
	26		-33.40	-32.34	-32.81	-32.76		-4.29
	27		-32.84	-33.10	-32.70	-33.29		-4.65
	28		-33.16	-33.39	-32.40	-33.08		-4.35
	29		-32.61	-33.21	-33.91	-33.69		-4.56
	30		-32.67	-32.67	-33.16	-33.78		-4.61
	31		-33.87	-33.20	-33.73	-33.33		-5.15
High	0	1995 to 1996 MHz	-33.73	-33.90	-33.90	-34.21	-28.05	-5.68
	1		-33.56	-33.72	-33.56	-33.44		-5.39
	2		-33.62	-33.47	-33.81	-34.12		-5.42
	3		-33.57	-33.69	-33.32	-33.80		-5.27
	4		-33.09	-33.52	-33.55	-33.66		-5.04
	5		-33.93	-34.01	-34.41	-33.44		-5.39
	6		-34.12	-33.84	-34.11	-33.96		-5.79
	7		-34.28	-33.59	-33.26	-33.33		-5.20
	8		-34.26	-33.95	-31.67	-33.08		-3.62
	9		-33.45	-33.71	-33.37	-33.40		-5.32
	10		-33.68	-33.79	-33.46	-33.48		-5.41
	11		-33.03	-33.34	-33.35	-33.78		-4.97
	12		-33.25	-33.41	-33.15	-33.43		-5.10
	13		-33.57	-32.89	-33.53	-32.98		-4.84
	14		-33.45	-33.91	-33.52	-33.56		-5.40
	15		-33.19	-33.74	-33.52	-33.52		-5.13
	16		-33.83	-33.35	-33.53	-33.50		-5.29
	17		-33.67	-33.18	-33.34	-33.77		-5.13
	18		-33.13	-33.63	-33.57	-33.55		-5.08
	19		-33.39	-33.83	-33.88	-33.59		-5.34
	20		-33.81	-34.13	-33.71	-33.39		-5.34
	21		-34.14	-33.95	-33.93	-33.74		-5.68
	22		-33.58	-33.13	-33.87	-33.56		-5.08
	23		-33.55	-33.13	-33.97	-33.80		-5.07
	24		-33.60	-33.90	-33.93	-33.18		-5.13
	25		-33.17	-33.44	-32.96	-33.36		-4.91
	26		-33.41	-33.12	-33.41	-33.72		-5.07
	27		-33.67	-33.48	-33.30	-33.39		-5.24
	28		-33.16	-34.00	-34.40	-33.48		-5.11
	29		-33.46	-34.15	-33.14	-33.56		-5.09
	30		-33.54	-33.35	-33.17	-33.71		-5.12
	31		-34.07	-33.32	-33.49	-33.64		-5.27

Table 8-102. Band Edge Emission Summary Data (LTE_B25_1C_15M)

**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-2025-03129-1
Page (245) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-33.93	-34.27	-34.20	-34.03	-28.05	-5.88
	1		-33.98	-34.09	-33.90	-34.10		-5.85
	2		-34.64	-34.39	-33.79	-34.08		-5.74
	3		-33.27	-33.30	-33.73	-34.29		-5.22
	4		-33.84	-33.44	-33.45	-34.11		-5.39
	5		-34.54	-34.06	-34.05	-34.33		-6.00
	6		-34.01	-34.36	-34.00	-33.99		-5.94
	7		-33.15	-33.86	-34.01	-34.36		-5.10
	8		-31.52	-32.96	-34.22	-33.36		-3.47
	9		-34.03	-33.39	-33.49	-33.72		-5.33
	10		-33.56	-34.30	-33.36	-33.35		-5.30
	11		-34.28	-33.76	-34.13	-33.02		-4.96
	12		-32.89	-33.85	-33.93	-33.43		-4.84
	13		-33.48	-33.75	-33.66	-33.74		-5.43
	14		-33.24	-33.71	-33.22	-33.62		-5.17
	15		-34.29	-34.26	-33.45	-33.92		-5.40
	16		-34.17	-33.50	-33.03	-33.04		-4.98
	17		-33.51	-33.66	-33.77	-33.29		-5.24
	18		-33.10	-32.90	-33.85	-32.91		-4.85
	19		-33.38	-34.17	-33.77	-34.07		-5.33
	20		-34.19	-33.62	-33.80	-34.00		-5.57
	21		-33.30	-34.13	-33.81	-33.52		-5.24
	22		-34.13	-33.86	-34.15	-34.66		-5.81
	23		-34.24	-33.78	-34.19	-33.90		-5.73
	24		-34.02	-34.36	-33.57	-34.39		-5.51
	25		-33.87	-33.31	-34.12	-33.99		-5.25
	26		-33.32	-32.95	-33.96	-33.56		-4.90
	27		-33.87	-33.30	-33.11	-33.32		-5.06
	28		-33.53	-33.74	-34.50	-34.44		-5.48
	29		-34.10	-33.96	-34.11	-34.07		-5.91
	30		-34.18	-33.92	-32.94	-33.83		-4.89
	31		-33.98	-33.42	-33.34	-34.14		-5.29
High	0	1995 to 1996 MHz	-35.02	-34.17	-34.11	-35.18	-28.05	-6.06
	1		-34.50	-34.07	-33.72	-33.90		-5.67
	2		-33.32	-34.32	-35.39	-33.41		-5.27
	3		-33.65	-34.07	-34.89	-34.31		-5.59
	4		-35.25	-35.16	-33.96	-33.60		-5.54
	5		-33.51	-34.27	-34.13	-34.25		-5.46
	6		-34.83	-32.36	-34.72	-34.01		-4.30
	7		-33.71	-34.24	-33.88	-34.01		-5.66
	8		-31.70	-34.35	-31.99	-32.78		-3.64
	9		-33.14	-32.71	-33.18	-33.22		-4.66
	10		-33.48	-33.35	-34.09	-33.97		-5.30
	11		-33.16	-33.61	-32.94	-32.48		-4.43
	12		-32.47	-32.04	-32.37	-32.46		-3.99
	13		-33.36	-34.93	-35.14	-33.51		-5.31
	14		-33.30	-34.33	-34.15	-34.43		-5.25
	15		-33.78	-33.82	-33.70	-34.08		-5.65
	16		-33.57	-33.67	-33.00	-33.45		-4.95
	17		-33.73	-33.11	-34.29	-34.34		-5.06
	18		-34.21	-34.19	-33.50	-33.71		-5.45
	19		-34.14	-33.71	-33.86	-34.63		-5.65
	20		-35.15	-34.07	-35.31	-34.02		-5.97
	21		-33.67	-33.33	-33.46	-34.56		-5.27
	22		-34.44	-34.91	-34.36	-34.18		-6.12
	23		-34.70	-33.62	-34.13	-33.62		-5.56
	24		-33.85	-32.32	-32.48	-32.36		-4.27
	25		-33.97	-34.17	-33.89	-34.11		-5.84
	26		-32.24	-31.78	-32.60	-32.62		-3.73
	27		-33.24	-34.18	-33.34	-33.84		-5.18
	28		-34.60	-34.61	-34.22	-35.14		-6.17
	29		-33.55	-33.15	-34.14	-34.89		-5.10
	30		-33.74	-32.79	-34.21	-35.03		-4.74
	31		-33.36	-34.12	-34.49	-34.75		-5.30

Table 8-103. Band Edge Emission Summary Data (LTE_B25_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-2025-03129-1
Page (246) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-30.29	-30.66	-30.16	-30.34	-28.05	-2.11
	1		-30.36	-30.14	-30.17	-29.83		-1.78
	2		-30.24	-30.19	-30.30	-30.28		-2.14
	3		-30.26	-30.41	-30.32	-30.27		-2.21
	4		-30.19	-30.05	-30.06	-29.88		-1.83
	5		-30.28	-30.08	-30.36	-30.34		-2.03
	6		-29.90	-30.25	-30.14	-30.10		-1.85
	7		-30.04	-30.02	-30.02	-29.87		-1.82
	8		-30.02	-30.50	-30.13	-30.24		-1.97
	9		-29.82	-30.04	-29.77	-29.80		-1.72
	10		-29.92	-30.14	-30.03	-29.93		-1.87
	11		-30.15	-30.00	-29.95	-29.84		-1.79
	12		-30.03	-29.87	-29.99	-29.96		-1.81
	13		-29.94	-30.12	-29.94	-30.04		-1.89
	14		-29.73	-30.04	-29.96	-30.18		-1.68
	15		-30.31	-30.23	-30.08	-30.22		-2.02
	16		-30.08	-30.08	-29.79	-29.67		-1.62
	17		-30.13	-30.30	-29.93	-29.98		-1.87
	18		-29.99	-30.08	-29.84	-30.05		-1.79
	19		-29.77	-29.88	-29.75	-30.06		-1.70
	20		-30.04	-30.05	-30.05	-30.01		-1.96
	21		-29.89	-30.09	-30.13	-29.88		-1.83
	22		-29.60	-29.94	-29.88	-30.15		-1.55
	23		-29.96	-30.15	-29.73	-29.96		-1.68
	24		-30.04	-30.04	-30.27	-30.12		-1.98
	25		-29.87	-30.02	-29.81	-30.02		-1.76
	26		-29.79	-29.99	-29.66	-29.67		-1.61
	27		-29.58	-29.69	-29.76	-29.95		-1.53
	28		-30.01	-30.24	-30.27	-30.13		-1.96
	29		-29.95	-30.00	-30.13	-29.90		-1.85
	30		-30.17	-30.24	-29.73	-29.78		-1.67
	31		-29.86	-30.29	-29.91	-29.88		-1.81
High	0	1995 to 1996 MHz	-30.42	-30.38	-30.36	-30.37	-28.05	-2.31
	1		-30.28	-30.09	-30.18	-30.27		-2.04
	2		-29.96	-30.43	-30.27	-30.28		-1.91
	3		-30.63	-30.52	-30.22	-30.40		-2.17
	4		-30.54	-30.12	-30.33	-30.46		-2.07
	5		-30.29	-30.52	-30.25	-30.09		-2.04
	6		-29.98	-30.39	-29.94	-30.29		-1.88
	7		-30.36	-30.02	-30.23	-30.50		-1.96
	8		-29.87	-30.50	-30.55	-30.38		-1.82
	9		-30.33	-30.35	-30.50	-30.49		-2.28
	10		-29.95	-30.15	-30.26	-30.27		-1.90
	11		-30.19	-29.98	-30.51	-30.12		-1.93
	12		-30.07	-30.14	-30.31	-30.41		-2.02
	13		-30.41	-29.97	-30.07	-30.39		-1.91
	14		-30.22	-29.67	-30.05	-30.50		-1.62
	15		-30.21	-30.45	-30.36	-30.41		-2.16
	16		-30.24	-30.26	-30.12	-30.21		-2.07
	17		-30.30	-30.18	-30.01	-30.54		-1.96
	18		-30.36	-30.29	-29.98	-30.03		-1.93
	19		-30.26	-30.12	-30.09	-30.45		-2.04
	20		-30.23	-30.46	-30.16	-30.25		-2.11
	21		-30.34	-30.06	-30.36	-30.35		-2.01
	22		-30.28	-30.14	-29.76	-29.61		-1.55
	23		-30.30	-30.36	-30.23	-30.62		-2.18
	24		-30.37	-30.32	-29.92	-30.38		-1.87
	25		-29.88	-29.91	-30.22	-30.21		-1.83
	26		-29.93	-29.84	-30.06	-30.02		-1.79
	27		-30.30	-30.34	-30.04	-30.39		-1.99
	28		-30.31	-30.30	-30.37	-30.53		-2.25
	29		-30.25	-30.06	-30.21	-30.43		-2.01
	30		-30.26	-30.35	-30.57	-30.14		-2.08
	31		-30.36	-30.26	-30.31	-30.22		-2.17

Table 8-104. Band Edge Emission Summary Data (NR_n25_1C_5M)

**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-2025-03129-1
Page (247) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-31.09	-30.48	-30.45	-30.45	-28.05	-2.40
	1		-30.20	-29.20	-29.67	-31.00		-1.15
	2		-30.64	-30.50	-31.47	-30.76		-2.44
	3		-30.97	-31.35	-30.51	-30.73		-2.45
	4		-29.69	-30.32	-31.03	-30.50		-1.64
	5		-31.24	-30.03	-30.10	-31.07		-1.98
	6		-30.36	-30.17	-30.73	-31.09		-2.11
	7		-30.96	-30.31	-31.12	-30.28		-2.23
	8		-30.95	-29.46	-29.76	-29.44		-1.39
	9		-29.71	-30.65	-30.03	-30.23		-1.66
	10		-30.59	-30.06	-30.58	-29.66		-1.61
	11		-31.00	-29.24	-30.28	-30.24		-1.19
	12		-31.39	-30.96	-30.35	-30.37		-2.30
	13		-30.18	-30.45	-29.97	-29.87		-1.81
	14		-31.17	-30.52	-30.02	-29.62		-1.57
	15		-31.55	-29.23	-30.15	-31.08		-1.18
	16		-30.29	-30.14	-31.40	-30.11		-2.06
	17		-30.63	-30.71	-29.76	-30.24		-1.71
	18		-31.50	-30.39	-30.29	-29.70		-1.64
	19		-29.94	-29.91	-30.84	-30.32		-1.86
	20		-29.83	-30.18	-29.98	-29.87		-1.78
	21		-31.44	-29.24	-30.65	-29.81		-1.18
	22		-31.16	-30.35	-30.25	-30.58		-2.20
	23		-30.92	-29.96	-31.16	-30.44		-1.90
	24		-31.00	-30.37	-30.37	-30.47		-2.32
	25		-30.39	-29.42	-30.62	-29.90		-1.36
	26		-29.75	-30.60	-29.72	-30.47		-1.67
	27		-31.70	-30.44	-29.99	-31.36		-1.94
	28		-30.58	-31.01	-31.18	-29.85		-1.79
	29		-30.58	-31.47	-30.74	-29.84		-1.79
	30		-31.08	-31.32	-30.48	-29.82		-1.77
	31		-30.41	-30.48	-30.70	-30.07		-2.01
High	0	1995 to 1996 MHz	-31.43	-30.72	-30.78	-30.43	-28.05	-2.38
	1		-31.25	-31.01	-31.90	-30.48		-2.42
	2		-29.96	-30.25	-30.79	-31.20		-1.91
	3		-31.51	-31.04	-31.21	-30.84		-2.78
	4		-31.30	-30.09	-30.78	-30.28		-2.04
	5		-30.73	-30.54	-31.67	-31.02		-2.49
	6		-30.93	-30.33	-31.21	-31.16		-2.27
	7		-30.77	-30.95	-30.55	-30.24		-2.18
	8		-30.49	-31.09	-30.21	-31.58		-2.16
	9		-30.25	-31.05	-30.97	-31.95		-2.20
	10		-30.79	-30.01	-30.49	-31.44		-1.95
	11		-30.33	-31.42	-29.99	-30.32		-1.93
	12		-30.41	-30.85	-31.20	-30.12		-2.07
	13		-30.06	-31.12	-30.85	-31.49		-2.01
	14		-30.85	-30.50	-31.76	-31.18		-2.45
	15		-30.66	-31.56	-29.92	-30.59		-1.87
	16		-31.67	-30.20	-30.56	-29.38		-1.33
	17		-31.04	-30.20	-30.34	-31.41		-2.14
	18		-29.65	-30.82	-31.34	-30.69		-1.60
	19		-30.95	-30.69	-32.13	-29.79		-1.74
	20		-30.76	-30.25	-31.44	-30.70		-2.20
	21		-30.83	-30.46	-30.61	-31.33		-2.41
	22		-29.45	-30.42	-31.33	-30.52		-1.40
	23		-31.61	-30.85	-32.32	-30.06		-2.01
	24		-30.53	-30.32	-31.54	-30.48		-2.27
	25		-30.45	-31.59	-30.95	-31.43		-2.40
	26		-30.33	-30.89	-31.00	-30.32		-2.27
	27		-31.00	-31.30	-30.58	-30.13		-2.08
	28		-30.54	-30.82	-30.85	-31.11		-2.49
	29		-29.90	-30.33	-31.20	-31.34		-1.85
	30		-31.30	-29.30	-31.31	-30.47		-1.24
	31		-32.03	-31.31	-31.77	-31.37		-3.26

Table 8-105. Band Edge Emission Summary Data (NR_n25_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-2025-03129-1
Page (248) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-31.31	-31.13	-31.18	-30.89	-28.05	-2.84
	1		-32.62	-31.68	-30.66	-31.14		-2.61
	2		-32.02	-30.71	-31.80	-31.67		-2.66
	3		-31.78	-31.63	-31.56	-31.84		-3.51
	4		-30.87	-30.51	-31.28	-31.25		-2.46
	5		-32.10	-30.92	-31.32	-30.83		-2.78
	6		-31.96	-31.26	-30.45	-31.76		-2.40
	7		-31.36	-30.40	-30.02	-31.12		-1.96
	8		-31.76	-31.47	-31.21	-29.66		-1.61
	9		-30.83	-31.01	-31.66	-31.58		-2.77
	10		-31.95	-30.31	-30.78	-31.35		-2.26
	11		-32.35	-31.26	-30.74	-31.19		-2.69
	12		-31.79	-32.30	-31.33	-30.76		-2.70
	13		-31.61	-30.21	-31.07	-30.67		-2.15
	14		-30.92	-31.79	-31.19	-31.14		-2.87
	15		-31.35	-30.94	-30.98	-30.72		-2.67
	16		-31.92	-30.88	-32.01	-30.53		-2.48
	17		-31.12	-31.73	-31.32	-30.82		-2.76
	18		-31.48	-30.37	-31.03	-31.38		-2.31
	19		-31.54	-31.44	-31.75	-30.49		-2.44
	20		-31.50	-31.28	-31.31	-31.66		-3.23
	21		-31.80	-30.71	-31.09	-31.53		-2.66
	22		-31.45	-31.19	-30.99	-30.81		-2.76
	23		-31.62	-31.83	-31.83	-31.26		-3.21
	24		-32.34	-31.49	-31.72	-31.52		-3.44
	25		-30.87	-31.00	-31.75	-31.66		-2.82
	26		-31.65	-30.65	-30.80	-30.60		-2.55
	27		-31.51	-29.99	-30.43	-30.30		-1.94
	28		-30.91	-30.58	-31.12	-31.05		-2.53
	29		-31.45	-30.90	-30.99	-31.09		-2.85
	30		-31.89	-31.27	-31.97	-31.94		-3.21
	31		-31.71	-31.57	-30.87	-30.48		-2.43
High	0	1995 to 1996 MHz	-31.59	-31.20	-31.70	-31.20	-28.05	-3.14
	1		-31.06	-31.26	-31.44	-31.89		-3.00
	2		-31.38	-31.62	-32.27	-30.91		-2.86
	3		-32.48	-31.68	-32.53	-31.28		-3.23
	4		-31.73	-31.05	-31.75	-31.57		-3.00
	5		-31.39	-31.16	-32.04	-30.87		-2.82
	6		-31.46	-31.01	-32.22	-31.71		-2.96
	7		-31.00	-31.57	-32.11	-31.96		-2.95
	8		-31.44	-31.73	-31.84	-31.16		-3.10
	9		-32.03	-31.88	-31.47	-31.32		-3.27
	10		-32.40	-31.53	-32.12	-32.02		-3.48
	11		-31.53	-31.45	-31.59	-31.69		-3.40
	12		-32.15	-31.75	-31.44	-31.10		-3.05
	13		-31.58	-31.07	-31.34	-31.32		-3.02
	14		-31.76	-30.89	-31.16	-31.28		-2.84
	15		-31.77	-31.20	-31.73	-31.14		-3.09
	16		-31.90	-31.21	-32.11	-31.68		-3.16
	17		-31.11	-30.82	-32.27	-31.15		-2.77
	18		-31.45	-31.56	-31.91	-31.44		-3.39
	19		-31.71	-31.75	-31.71	-30.57		-2.52
	20		-31.98	-30.94	-31.90	-31.20		-2.89
	21		-32.09	-31.53	-32.16	-30.68		-2.63
	22		-31.23	-31.11	-31.64	-31.04		-2.99
	23		-32.50	-31.23	-31.77	-31.39		-3.17
	24		-31.43	-31.24	-31.25	-32.11		-3.19
	25		-30.42	-30.90	-31.67	-30.83		-2.36
	26		-31.37	-31.01	-32.01	-31.27		-2.95
	27		-31.31	-30.69	-31.38	-31.89		-2.64
	28		-32.69	-31.45	-31.80	-31.97		-3.40
	29		-31.45	-31.81	-31.10	-31.38		-3.04
	30		-31.57	-31.65	-31.48	-31.61		-3.42
	31		-31.54	-31.29	-30.98	-31.78		-2.92

Table 8-106. Band Edge Emission Summary Data (NR_n25_1C_15M)

**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-2025-03129-1
Page (249) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-30.51	-31.56	-32.70	-31.36	-28.05	-2.46
	1		-31.39	-32.36	-32.39	-32.73		-3.34
	2		-31.29	-31.33	-32.83	-32.45		-3.24
	3		-30.62	-31.90	-32.65	-32.12		-2.57
	4		-31.13	-31.84	-32.88	-31.36		-3.07
	5		-31.68	-31.38	-32.49	-32.24		-3.33
	6		-31.60	-32.07	-32.81	-31.63		-3.55
	7		-31.06	-31.33	-32.33	-32.07		-3.01
	8		-32.23	-32.32	-32.72	-32.64		-4.18
	9		-31.54	-31.08	-32.56	-32.16		-3.03
	10		-31.31	-31.49	-32.83	-32.30		-3.26
	11		-30.88	-30.33	-31.96	-32.31		-2.28
	12		-30.92	-31.54	-32.28	-32.13		-2.87
	13		-30.99	-31.33	-32.00	-32.15		-2.94
	14		-31.18	-30.84	-32.07	-31.91		-2.79
	15		-32.06	-32.81	-33.08	-32.50		-4.01
	16		-31.14	-30.79	-33.04	-31.93		-2.74
	17		-30.66	-31.44	-31.30	-32.39		-2.61
	18		-31.79	-31.77	-32.52	-30.86		-2.81
	19		-30.95	-31.53	-32.08	-31.89		-2.90
	20		-31.57	-31.77	-32.22	-31.90		-3.52
	21		-30.88	-31.20	-32.42	-31.83		-2.83
	22		-29.96	-32.19	-32.73	-32.23		-1.91
	23		-31.27	-31.58	-31.88	-32.42		-3.22
	24		-31.68	-31.93	-31.49	-32.01		-3.43
	25		-31.63	-31.40	-32.32	-31.98		-3.35
	26		-30.99	-30.84	-31.59	-32.15		-2.79
	27		-32.21	-31.53	-32.95	-31.63		-3.48
	28		-31.00	-31.49	-32.22	-33.11		-2.94
	29		-30.52	-31.96	-32.73	-31.71		-2.47
	30		-31.66	-31.03	-32.05	-31.06		-2.98
	31		-31.90	-31.70	-32.87	-31.84		-3.65
High	0	1995 to 1996 MHz	-33.10	-31.99	-31.16	-31.02	-28.05	-2.97
	1		-32.12	-32.78	-33.48	-31.73		-3.68
	2		-32.06	-31.47	-32.03	-33.22		-3.42
	3		-33.56	-33.30	-32.24	-32.66		-4.18
	4		-31.90	-31.70	-32.54	-31.74		-3.65
	5		-31.71	-32.11	-32.61	-32.56		-3.66
	6		-32.96	-33.27	-32.20	-32.61		-4.14
	7		-31.27	-30.52	-32.63	-33.07		-2.47
	8		-31.31	-32.80	-32.09	-32.09		-3.26
	9		-32.34	-32.90	-32.15	-31.75		-3.70
	10		-32.44	-32.64	-33.01	-31.75		-3.70
	11		-33.04	-32.49	-32.34	-32.02		-3.97
	12		-32.66	-33.17	-31.39	-31.95		-3.34
	13		-32.70	-31.91	-31.81	-32.62		-3.76
	14		-32.63	-31.84	-31.54	-32.85		-3.49
	15		-32.27	-32.81	-31.98	-31.77		-3.72
	16		-32.16	-32.22	-31.77	-32.08		-3.72
	17		-32.40	-31.73	-32.23	-32.67		-3.68
	18		-33.64	-32.03	-31.85	-32.37		-3.80
	19		-32.82	-32.73	-31.55	-31.46		-3.41
	20		-32.69	-30.94	-31.85	-31.85		-2.89
	21		-31.97	-31.70	-32.46	-31.57		-3.51
	22		-32.46	-32.18	-32.47	-31.06		-3.01
	23		-31.70	-31.97	-32.13	-32.45		-3.65
	24		-32.85	-31.43	-31.09	-32.13		-3.03
	25		-32.33	-33.35	-32.49	-32.60		-4.28
	26		-32.12	-31.38	-32.17	-32.03		-3.33
	27		-31.77	-31.58	-31.19	-31.87		-3.14
	28		-32.69	-32.31	-31.81	-32.61		-3.76
	29		-32.74	-32.22	-31.90	-34.11		-3.84
	30		-32.22	-31.32	-31.59	-32.21		-3.26
	31		-32.67	-31.32	-32.92	-32.84		-3.26

Table 8-107. Band Edge Emission Summary Data (NR_n25_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-2025-03129-1
Page (250) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-30.51	-29.71	-30.81	-31.05	-28.05	-1.66
	1		-29.24	-29.62	-30.24	-31.23		-1.19
	2		-30.31	-29.04	-32.51	-31.61		-0.99
	3		-29.45	-28.91	-30.07	-31.05		-0.86
	4		-30.21	-30.87	-30.48	-29.81		-1.76
	5		-28.92	-30.48	-31.52	-31.28		-0.86
	6		-29.64	-29.26	-31.86	-30.74		-1.21
	7		-31.14	-29.09	-31.10	-31.77		-1.03
	8		-30.85	-30.28	-31.11	-30.46		-2.22
	9		-30.97	-29.60	-30.78	-31.91		-1.55
	10		-30.04	-29.76	-30.79	-30.78		-1.71
	11		-29.92	-30.14	-30.04	-31.15		-1.87
	12		-29.71	-30.58	-30.61	-30.52		-1.66
	13		-29.46	-30.44	-31.88	-31.04		-1.41
	14		-28.96	-28.81	-30.71	-31.20		-0.76
	15		-29.53	-29.89	-31.75	-31.59		-1.48
	16		-30.40	-29.02	-29.92	-31.15		-0.97
	17		-30.55	-30.09	-31.54	-30.62		-2.04
	18		-29.63	-29.68	-30.87	-30.96		-1.58
	19		-29.12	-30.56	-30.69	-30.51		-1.07
	20		-30.34	-30.20	-30.39	-31.41		-2.15
	21		-29.57	-30.33	-30.97	-31.08		-1.52
	22		-28.91	-29.28	-30.92	-31.02		-0.85
	23		-29.00	-29.07	-30.61	-30.06		-0.95
	24		-29.71	-30.62	-31.86	-31.71		-1.66
	25		-30.89	-30.43	-30.37	-30.68		-2.32
	26		-30.03	-30.54	-30.67	-31.35		-1.97
	27		-29.51	-30.24	-30.35	-30.40		-1.46
	28		-29.23	-30.11	-30.45	-31.88		-1.18
	29		-29.09	-30.29	-31.80	-30.54		-1.04
	30		-29.46	-29.67	-30.58	-30.91		-1.41
	31		-29.73	-29.81	-30.58	-31.82		-1.68
High	0	1995 to 1996 MHz	-31.40	-30.47	-30.13	-30.65	-28.05	-2.08
	1		-30.81	-31.15	-31.64	-30.63		-2.58
	2		-31.40	-30.43	-30.99	-31.14		-2.38
	3		-29.96	-31.73	-30.99	-30.21		-1.91
	4		-31.28	-30.41	-31.33	-31.04		-2.36
	5		-30.84	-30.67	-31.33	-30.59		-2.53
	6		-31.63	-30.52	-30.94	-31.73		-2.47
	7		-30.14	-30.76	-30.40	-30.63		-2.09
	8		-30.19	-31.36	-31.51	-30.39		-2.13
	9		-30.14	-30.84	-31.18	-31.06		-2.09
	10		-31.63	-30.93	-30.24	-31.06		-2.19
	11		-31.34	-30.22	-30.67	-30.80		-2.17
	12		-31.48	-30.33	-30.10	-30.48		-2.04
	13		-30.49	-30.21	-30.56	-30.13		-2.08
	14		-31.49	-31.43	-30.84	-30.61		-2.56
	15		-31.41	-30.79	-31.31	-31.72		-2.74
	16		-31.11	-31.02	-30.89	-30.18		-2.13
	17		-31.00	-31.28	-30.98	-32.24		-2.93
	18		-31.17	-30.80	-31.69	-30.83		-2.75
	19		-31.42	-30.71	-31.36	-30.41		-2.36
	20		-31.69	-31.13	-30.73	-30.20		-2.14
	21		-31.24	-30.38	-31.43	-31.11		-2.33
	22		-31.11	-30.34	-31.34	-30.99		-2.29
	23		-31.81	-30.05	-30.93	-30.50		-2.00
	24		-31.31	-31.47	-30.30	-31.22		-2.25
	25		-31.45	-30.31	-31.53	-31.31		-2.25
	26		-31.08	-30.86	-31.64	-30.34		-2.28
	27		-35.90	-30.15	-31.33	-29.75		-1.70
	28		-31.02	-29.92	-31.53	-31.26		-1.87
	29		-31.39	-30.37	-31.16	-30.52		-2.32
	30		-31.28	-30.72	-30.94	-31.46		-2.67
	31		-31.08	-31.85	-31.06	-30.69		-2.64

Table 8-108. Band Edge Emission Summary Data (NR_n25_1C_25M)

**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-2025-03129-1
Page (251) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-30.60	-30.59	-31.51	-31.09	-28.05	-2.54
	1		-30.44	-30.82	-31.98	-31.44		-2.39
	2		-30.83	-31.07	-31.61	-32.42		-2.78
	3		-30.73	-30.63	-31.79	-31.56		-2.58
	4		-30.88	-30.35	-30.78	-31.18		-2.30
	5		-32.07	-31.18	-31.41	-31.87		-3.13
	6		-30.87	-31.26	-31.80	-32.33		-2.82
	7		-31.51	-30.59	-31.08	-31.17		-2.54
	8		-31.27	-31.64	-31.44	-31.52		-3.22
	9		-31.06	-30.69	-31.06	-31.83		-2.64
	10		-30.82	-31.08	-30.91	-31.17		-2.77
	11		-30.68	-30.81	-31.87	-31.16		-2.62
	12		-31.32	-30.94	-30.79	-30.88		-2.74
	13		-31.54	-31.24	-31.91	-32.17		-3.19
	14		-31.21	-30.68	-31.57	-31.65		-2.62
	15		-31.30	-31.11	-31.88	-31.71		-3.06
	16		-31.32	-30.84	-30.71	-31.92		-2.66
	17		-30.68	-30.87	-31.67	-31.62		-2.63
	18		-31.24	-30.65	-31.35	-31.73		-2.60
	19		-31.41	-31.40	-31.07	-31.55		-3.01
	20		-31.01	-31.31	-31.88	-31.86		-2.95
	21		-31.61	-30.16	-31.89	-31.57		-2.11
	22		-31.59	-30.84	-31.72	-31.07		-2.78
	23		-31.53	-30.48	-31.43	-31.75		-2.43
	24		-31.72	-31.01	-31.03	-31.28		-2.96
	25		-31.72	-30.11	-32.04	-32.42		-2.06
	26		-29.98	-30.67	-31.21	-30.97		-1.93
	27		-29.90	-30.46	-30.78	-30.90		-1.85
	28		-31.92	-30.16	-30.46	-31.84		-2.11
	29		-30.84	-31.45	-30.51	-31.50		-2.46
	30		-30.83	-29.59	-31.26	-31.10		-1.53
	31		-30.69	-30.00	-31.20	-31.45		-1.95
High	0	1995 to 1996 MHz	-35.11	-35.68	-35.27	-35.18	-28.05	-7.06
	1		-35.31	-35.33	-34.93	-34.95		-6.88
	2		-35.18	-35.85	-35.06	-35.54		-7.01
	3		-34.75	-35.26	-34.72	-35.27		-6.67
	4		-35.55	-35.88	-35.34	-35.50		-7.28
	5		-35.13	-35.64	-35.09	-35.12		-7.03
	6		-35.29	-35.63	-35.37	-34.67		-6.62
	7		-35.23	-35.53	-35.59	-35.09		-7.04
	8		-35.33	-35.64	-35.36	-35.51		-7.28
	9		-35.02	-35.48	-35.01	-35.14		-6.96
	10		-34.94	-35.25	-34.46	-34.71		-6.40
	11		-35.49	-35.82	-35.12	-35.41		-7.07
	12		-35.29	-35.45	-35.11	-35.06		-7.01
	13		-35.41	-35.86	-35.19	-35.79		-7.13
	14		-35.31	-35.99	-35.25	-34.96		-6.91
	15		-35.19	-35.61	-35.36	-35.43		-7.14
	16		-35.35	-35.98	-35.43	-35.21		-7.15
	17		-34.96	-35.28	-35.30	-35.28		-6.91
	18		-35.07	-35.64	-35.03	-35.18		-6.98
	19		-35.04	-35.79	-35.29	-35.48		-6.99
	20		-35.38	-35.75	-35.59	-35.68		-7.33
	21		-35.35	-36.07	-35.61	-35.54		-7.30
	22		-35.39	-35.73	-34.89	-35.37		-6.83
	23		-34.99	-35.96	-35.46	-35.59		-6.94
	24		-35.40	-36.00	-35.30	-35.91		-7.25
	25		-35.34	-35.80	-35.24	-35.55		-7.19
	26		-34.91	-35.88	-35.48	-35.21		-6.86
	27		-34.84	-35.54	-34.98	-35.44		-6.79
	28		-35.36	-36.22	-35.25	-35.95		-7.20
	29		-35.16	-35.59	-35.23	-35.57		-7.11
	30		-35.31	-35.97	-35.07	-35.80		-7.02
	31		-34.95	-36.10	-35.64	-35.47		-6.89

Table 8-109. Band Edge Emission Summary Data (NR_n25_1C_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-2025-03129-1
Page (252) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-32.89	-31.40	-32.23	-32.87	-28.05	-3.35
	1		-32.39	-30.52	-31.17	-32.55		-2.47
	2		-32.63	-31.78	-31.75	-32.53		-3.70
	3		-31.94	-30.68	-31.48	-32.36		-2.63
	4		-32.10	-31.32	-30.58	-31.86		-2.52
	5		-31.99	-31.40	-31.26	-31.96		-3.20
	6		-32.80	-31.07	-31.38	-31.71		-3.01
	7		-32.30	-32.16	-32.07	-32.46		-4.02
	8		-31.67	-31.03	-31.19	-31.78		-2.98
	9		-32.30	-30.80	-32.32	-31.20		-2.75
	10		-31.70	-29.85	-30.92	-32.02		-1.80
	11		-31.87	-30.94	-31.90	-32.15		-2.89
	12		-31.49	-31.54	-30.95	-32.54		-2.90
	13		-31.31	-30.88	-32.18	-31.65		-2.83
	14		-32.42	-31.80	-31.81	-32.75		-3.75
	15		-33.24	-30.99	-31.65	-31.90		-2.94
	16		-31.81	-30.12	-31.56	-32.39		-2.07
	17		-32.06	-32.10	-32.57	-32.27		-4.01
	18		-31.33	-31.48	-31.57	-31.61		-3.28
	19		-31.84	-30.13	-31.40	-32.28		-2.07
	20		-31.65	-30.73	-30.96	-32.16		-2.68
	21		-32.38	-31.17	-32.04	-32.20		-3.12
	22		-32.12	-31.64	-31.38	-31.83		-3.33
	23		-31.35	-30.61	-32.30	-31.43		-2.56
	24		-31.55	-30.59	-30.93	-32.30		-2.54
	25		-32.00	-29.72	-31.45	-32.62		-1.67
	26		-31.20	-31.44	-31.37	-31.84		-3.15
	27		-32.13	-30.65	-31.10	-32.25		-2.60
	28		-32.48	-31.12	-31.22	-32.47		-3.07
	29		-32.42	-29.88	-30.12	-31.93		-1.82
	30		-31.79	-30.74	-31.27	-32.01		-2.69
	31		-31.32	-30.00	-30.41	-32.35		-1.95
High	0	1995 to 1996 MHz	-32.35	-32.37	-32.41	-32.22	-28.05	-4.17
	1		-32.46	-32.30	-31.78	-31.83		-3.73
	2		-33.02	-31.50	-31.87	-32.14		-3.44
	3		-32.48	-31.62	-31.83	-32.24		-3.57
	4		-32.37	-31.47	-31.84	-32.04		-3.42
	5		-32.66	-32.65	-30.24	-30.94		-2.19
	6		-32.61	-32.25	-31.55	-32.13		-3.49
	7		-32.07	-31.86	-32.40	-32.81		-3.81
	8		-33.39	-32.40	-32.04	-32.72		-3.98
	9		-32.26	-31.01	-32.97	-31.92		-2.96
	10		-32.81	-31.79	-32.83	-32.49		-3.74
	11		-32.33	-32.32	-32.14	-32.57		-4.09
	12		-32.11	-31.24	-32.71	-32.32		-3.19
	13		-30.97	-31.77	-31.34	-32.82		-2.91
	14		-33.33	-32.56	-32.25	-33.04		-4.19
	15		-33.01	-32.04	-30.92	-30.95		-2.87
	16		-32.00	-31.50	-31.81	-31.69		-3.45
	17		-33.29	-32.71	-32.28	-32.60		-4.23
	18		-32.35	-33.02	-32.59	-32.41		-4.30
	19		-32.81	-32.77	-31.51	-31.96		-3.46
	20		-32.46	-31.18	-31.83	-32.04		-3.13
	21		-31.85	-32.36	-32.01	-33.02		-3.80
	22		-31.41	-32.33	-31.29	-31.55		-3.24
	23		-31.73	-32.67	-31.96	-31.94		-3.67
	24		-32.51	-31.72	-32.44	-32.47		-3.67
	25		-32.33	-31.86	-32.01	-32.52		-3.81
	26		-32.29	-31.93	-32.03	-32.02		-3.88
	27		-32.09	-31.94	-32.35	-32.65		-3.89
	28		-33.09	-31.09	-32.75	-31.84		-3.04
	29		-32.06	-31.15	-32.02	-32.24		-3.10
	30		-32.07	-32.40	-31.81	-32.30		-3.76
	31		-33.21	-32.10	-31.84	-31.66		-3.61

Table 8-110. Band Edge Emission Summary Data (DSS_B/n25_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-2025-03129-1
Page (253) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-33.34	-33.77	-33.48	-32.79	-28.05	-4.74
	1		-33.71	-33.02	-33.50	-32.57		-4.52
	2		-33.35	-34.57	-33.16	-33.64		-5.11
	3		-33.15	-34.06	-33.08	-32.80		-4.75
	4		-32.67	-33.95	-32.91	-31.66		-3.61
	5		-33.18	-33.63	-32.92	-32.83		-4.78
	6		-32.68	-34.55	-33.70	-33.39		-4.63
	7		-32.74	-33.51	-33.22	-32.78		-4.69
	8		-33.57	-34.30	-32.30	-32.58		-4.25
	9		-33.06	-33.76	-33.38	-33.13		-5.01
	10		-33.44	-34.42	-33.89	-31.99		-3.94
	11		-33.02	-34.36	-32.99	-33.22		-4.93
	12		-32.27	-33.04	-32.92	-32.51		-4.22
	13		-33.66	-33.69	-33.76	-32.34		-4.28
	14		-32.82	-34.04	-33.25	-33.38		-4.77
	15		-33.06	-34.04	-33.54	-32.91		-4.86
	16		-34.06	-34.80	-34.00	-33.65		-5.60
	17		-33.12	-33.60	-33.74	-33.11		-5.05
	18		-32.50	-34.19	-33.00	-32.57		-4.44
	19		-32.41	-33.71	-33.64	-32.53		-4.35
	20		-33.05	-33.15	-33.57	-31.73		-3.68
	21		-33.63	-33.97	-34.27	-33.41		-5.36
	22		-33.26	-34.22	-34.17	-33.17		-5.12
	23		-32.37	-33.45	-33.49	-32.88		-4.32
	24		-33.14	-34.08	-33.60	-31.90		-3.85
	25		-33.86	-34.04	-34.05	-33.55		-5.50
	26		-32.16	-33.45	-33.15	-32.30		-4.11
	27		-32.95	-32.85	-32.99	-32.97		-4.79
	28		-32.82	-34.00	-33.51	-33.04		-4.77
	29		-32.96	-33.21	-33.46	-32.80		-4.75
	30		-33.29	-33.46	-33.45	-32.55		-4.50
	31		-32.05	-32.98	-32.94	-32.22		-3.99
High	0	1995 to 1996 MHz	-32.61	-32.87	-33.41	-33.93	-28.05	-4.55
	1		-32.71	-32.66	-32.37	-33.44		-4.32
	2		-33.75	-33.55	-32.62	-33.42		-4.57
	3		-32.34	-33.27	-33.27	-32.89		-4.29
	4		-33.49	-32.97	-32.63	-32.85		-4.58
	5		-33.35	-33.01	-32.24	-33.34		-4.19
	6		-33.15	-33.44	-32.82	-33.33		-4.77
	7		-33.45	-33.51	-32.33	-33.88		-4.28
	8		-32.81	-33.70	-33.33	-33.14		-4.76
	9		-32.60	-33.34	-33.23	-33.50		-4.55
	10		-32.37	-33.36	-33.38	-33.93		-4.32
	11		-32.31	-33.33	-33.00	-33.37		-4.26
	12		-31.81	-33.61	-31.43	-32.68		-3.38
	13		-33.11	-32.59	-32.32	-33.01		-4.26
	14		-33.05	-33.44	-32.90	-33.46		-4.85
	15		-33.18	-32.84	-33.36	-33.04		-4.79
	16		-33.38	-33.18	-33.48	-33.33		-5.13
	17		-33.19	-33.42	-32.77	-33.73		-4.72
	18		-32.60	-33.82	-32.63	-33.42		-4.54
	19		-33.03	-32.04	-32.63	-33.20		-3.99
	20		-33.50	-32.74	-32.06	-33.45		-4.01
	21		-33.18	-33.37	-32.98	-33.32		-4.92
	22		-33.30	-33.79	-32.98	-32.92		-4.87
	23		-32.86	-32.94	-32.64	-33.41		-4.58
	24		-33.33	-33.45	-32.66	-32.79		-4.61
	25		-33.25	-32.67	-33.05	-33.47		-4.62
	26		-33.37	-32.66	-33.37	-33.26		-4.61
	27		-32.94	-33.22	-32.69	-32.91		-4.64
	28		-32.54	-32.91	-32.44	-33.46		-4.39
	29		-32.88	-32.88	-32.70	-32.95		-4.65
	30		-32.76	-32.82	-32.29	-33.42		-4.24
	31		-31.85	-33.13	-33.14	-33.39		-3.79

Table 8-111. Band Edge Emission Summary Data (DSS_B/n25_1C_15M)

**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-2025-03129-1
Page (254) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1929 to 1930 MHz	-33.80	-34.13	-33.78	-33.50	-28.05	-5.45
	1		-33.16	-33.94	-33.58	-33.16		-5.10
	2		-34.36	-33.09	-35.20	-33.28		-5.04
	3		-32.56	-33.99	-32.98	-34.28		-4.50
	4		-33.78	-33.36	-33.37	-33.67		-5.31
	5		-33.65	-33.44	-33.48	-33.69		-5.39
	6		-33.52	-34.13	-34.09	-32.86		-4.81
	7		-32.99	-33.69	-33.40	-34.30		-4.94
	8		-33.80	-33.78	-33.09	-34.53		-5.03
	9		-34.06	-33.88	-33.82	-33.47		-5.42
	10		-34.00	-33.75	-32.60	-33.69		-4.55
	11		-33.13	-34.30	-33.60	-34.13		-5.08
	12		-32.74	-32.56	-33.80	-33.18		-4.51
	13		-32.97	-33.86	-32.46	-34.21		-4.41
	14		-33.67	-33.48	-32.90	-34.08		-4.85
	15		-32.72	-33.98	-32.47	-34.46		-4.42
	16		-33.91	-34.15	-34.24	-34.96		-5.85
	17		-33.75	-33.42	-33.73	-33.74		-5.37
	18		-33.53	-33.58	-33.42	-33.08		-5.02
	19		-33.70	-33.77	-33.00	-33.09		-4.95
	20		-32.80	-34.15	-34.26	-33.99		-4.75
	21		-33.88	-33.54	-33.09	-34.12		-5.04
	22		-33.63	-33.71	-33.98	-34.00		-5.58
	23		-34.20	-33.91	-33.45	-33.90		-5.40
	24		-33.34	-33.90	-33.52	-34.28		-5.29
	25		-33.49	-33.69	-33.81	-33.83		-5.44
	26		-34.29	-34.28	-32.71	-33.19		-4.65
	27		-34.18	-33.33	-33.89	-33.94		-5.28
	28		-33.24	-34.40	-34.01	-33.67		-5.18
	29		-34.12	-33.46	-33.43	-34.28		-5.38
	30		-33.21	-33.24	-32.58	-34.13		-4.53
	31		-33.67	-33.03	-33.55	-33.82		-4.97
High	0	1995 to 1996 MHz	-33.75	-34.67	-35.59	-35.17	-28.05	-5.70
	1		-34.49	-34.90	-34.16	-34.54		-6.11
	2		-35.39	-34.71	-34.34	-35.09		-6.29
	3		-34.84	-33.95	-33.82	-35.81		-5.76
	4		-34.85	-34.68	-34.60	-34.69		-6.55
	5		-33.98	-34.30	-34.59	-34.39		-5.93
	6		-33.74	-34.04	-34.68	-33.94		-5.69
	7		-34.85	-34.21	-34.86	-34.06		-6.01
	8		-33.87	-34.69	-32.55	-33.90		-4.50
	9		-33.43	-33.03	-34.99	-34.18		-4.98
	10		-35.19	-34.32	-34.96	-35.35		-6.27
	11		-33.48	-34.76	-34.72	-34.31		-5.42
	12		-35.40	-35.38	-35.22	-34.49		-6.44
	13		-35.37	-35.43	-33.94	-33.94		-5.89
	14		-34.88	-34.04	-34.69	-35.43		-5.99
	15		-34.72	-36.04	-34.27	-34.88		-6.22
	16		-35.32	-34.30	-35.04	-34.76		-6.25
	17		-34.04	-35.30	-35.24	-34.18		-5.99
	18		-34.23	-33.96	-34.80	-35.38		-5.90
	19		-34.36	-33.94	-34.63	-34.44		-5.89
	20		-35.58	-34.64	-34.47	-33.89		-5.84
	21		-34.54	-34.64	-34.49	-34.66		-6.44
	22		-35.38	-33.62	-34.98	-33.60		-5.55
	23		-34.30	-34.81	-34.29	-35.08		-6.23
	24		-34.28	-34.67	-35.25	-34.15		-6.10
	25		-34.02	-33.53	-34.61	-35.20		-5.48
	26		-33.67	-34.32	-34.85	-34.54		-5.62
	27		-34.09	-35.06	-34.21	-34.80		-6.04
	28		-33.79	-34.24	-33.52	-35.53		-5.46
	29		-34.42	-34.03	-34.11	-34.25		-5.98
	30		-34.13	-34.63	-35.20	-34.26		-6.08
	31		-34.78	-35.19	-35.30	-34.81		-6.73

Table 8-112. Band Edge Emission Summary Data (DSS_B/n25_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-2025-03129-1
Page (255) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			LTE_B25_2C_10M+10M		
Low	8	1929 to 1930 MHz	-31.76	-28.05	-3.71
	13		-29.23		-1.18
	16		-31.58		-3.53
	19		-30.61		-2.56
High	8	1995 to 1996 MHz	-30.93		-2.88
	13		-29.69		-1.64
	16		-30.47		-2.42
	19		-30.43		-2.37
Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			LTE_B25_3C_5M+10M+15M		
Low	6	1929 to 1930 MHz	-30.18	-28.05	-2.13
	7		-29.51		-1.46
	10		-29.51		-1.46
	13		-29.17		-1.12
High	6	1995 to 1996 MHz	-35.16		-7.11
	7		-33.05		-5.00
	10		-34.85		-6.80
	13		-34.68		-6.63
Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			NR_n25_2C_10M+10M		
Low	0	1929 to 1930 MHz	-30.67	-28.05	-2.61
	10		-29.15		-1.09
	13		-29.10		-1.05
	19		-29.25		-1.20
High	0	1995 to 1996 MHz	-30.00		-1.95
	10		-30.17		-2.12
	13		-29.60		-1.55
	19		-29.68		-1.63
Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			NR_n25_3C_5M+10M+15M		
Low	10	1929 to 1930 MHz	-29.72	-28.05	-1.67
	13		-29.54		-1.49
	19		-30.10		-2.05
	20		-30.08		-2.03
High	10	1995 to 1996 MHz	-34.50		-6.45
	13		-34.59		-6.54
	19		-32.82		-4.77
	20		-34.80		-6.75

Table 8-113. Band Edge Emission Summary Data (B/n25_Multi-carrier_Configurations)

**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-2025-03129-1
Page (256) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			MSR_B/n25_3C_LTE 5M+NR 5M+DSS 10M		
Low	4	1929 to 1930 MHz	-28.72	-28.05	-0.67
	5		-28.80		-0.74
	9		-29.65		-1.60
	26		-28.89		-0.84
High	4	1995 to 1996 MHz	-31.76		-3.70
	5		-29.96		-1.91
	9		-30.15		-2.10
	26		-30.93		-2.88
Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			MSR_B/n25_3C_LTE 10M+NR 10M+DSS 10M		
Low	4	1929 to 1930 MHz	-30.58	-28.05	-2.53
	5		-31.12		-3.06
	9		-31.30		-3.24
	26		-30.99		-2.94
High	4	1995 to 1996 MHz	-31.67		-3.62
	5		-31.59		-3.54
	9		-32.41		-4.35
	26		-33.46		-5.41

Table 8-114. Band Edge Emission Summary Data (B/n25_MSR_Configurations)

**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-2025-03129-1
Page (257) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			LTE_B25_2NC_10M+10M		
Low	8	1929 to 1930 MHz	-30.65	-28.05	-2.60
	13		-30.07		-2.02
	16		-31.48		-3.43
	19		-30.55		-2.49
High	8	1995 to 1996 MHz	-30.54		-2.49
	13		-29.84		-1.79
	16		-30.36		-2.30
	19		-29.68		-1.63
Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			LTE_B25_3NC_5M+10M+15M		
Low	6	1929 to 1930 MHz	-30.06	-28.05	-2.00
	7		-29.75		-1.70
	10		-30.00		-1.95
	13		-29.45		-1.40
High	6	1995 to 1996 MHz	-35.94		-7.89
	7		-35.77		-7.71
	10		-36.22		-8.17
	13		-35.85		-7.80
Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			NR_n25_2NC_10M+10M		
Low	0	1929 to 1930 MHz	-30.28	-28.05	-2.23
	10		-29.83		-1.78
	13		-30.06		-2.00
	19		-29.28		-1.23
High	0	1995 to 1996 MHz	-30.02		-1.97
	10		-29.16		-1.11
	13		-30.56		-2.51
	19		-29.36		-1.31
Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			NR_n25_3NC_5M+10M+15M		
Low	10	1929 to 1930 MHz	-29.19	-28.05	-1.14
	13		-29.17		-1.12
	19		-29.78		-1.73
	20		-30.33		-2.27
High	10	1995 to 1996 MHz	-32.56		-4.51
	13		-34.13		-6.08
	19		-32.70		-4.65
	20		-33.90		-5.85

Table 8-115. Band Edge Emission Summary Data (B/n25_Multi-carrier_ Non-Contiguous)

**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-2025-03129-1
Page (258) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			MSR_B/n25_3NC_LTE 5M+NR 5M+DSS 10M		
Low	0	1929 to 1930 MHz	-29.73	-28.05	-1.67
	5		-28.94		-0.89
	9		-29.78		-1.73
	26		-29.48		-1.42
High	0	1995 to 1996 MHz	-31.32		-3.27
	5		-32.13		-4.07
	9		-31.52		-3.47
	26		-31.61		-3.56
Edge	Port	Measured Range	Max. Value (dBm)_QPSK	Limit (dBm)	Worst Margin (dB)
			MSR_B/n25_3NC_LTE 10M+NR 10M+DSS 10M		
Low	4	1929 to 1930 MHz	-31.14	-28.05	-3.09
	5		-31.22		-3.16
	9		-31.30		-3.25
	30		-31.20		-3.15
High	4	1995 to 1996 MHz	-31.80		-3.75
	5		-31.15		-3.10
	9		-30.96		-2.90
	30		-31.96		-3.90

Table 8-116. Band Edge Emission Summary Data (B/n25_MSR_Non-Contiguous)

**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-2025-03129-1
Page (259) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	2109 to 2110 MHz	-29.37	-29.16	-29.06	-29.49	-28.05	-1.01
	1		-29.47	-29.36	-29.11	-29.67		-1.05
	2		-30.06	-30.04	-29.81	-30.19		-1.76
	3		-29.54	-29.79	-29.45	-30.09		-1.39
	4		-29.66	-29.89	-29.60	-29.86		-1.55
	5		-29.65	-30.03	-29.77	-29.19		-1.14
	6		-29.68	-29.48	-29.93	-29.93		-1.43
	7		-29.65	-29.01	-28.95	-29.80		-0.90
	8		-29.75	-29.51	-29.80	-29.50		-1.45
	9		-29.65	-30.15	-29.50	-29.71		-1.45
	10		-29.73	-30.09	-29.54	-29.56		-1.49
	11		-29.80	-29.77	-29.71	-29.92		-1.66
	12		-29.92	-29.83	-29.62	-29.86		-1.57
	13		-29.49	-29.81	-29.64	-29.87		-1.44
	14		-30.17	-29.60	-29.33	-29.59		-1.27
	15		-29.67	-29.73	-29.07	-29.78		-1.01
	16		-29.88	-30.04	-30.16	-30.05		-1.83
	17		-29.84	-29.98	-29.37	-30.07		-1.31
	18		-30.09	-29.96	-29.80	-30.24		-1.75
	19		-29.82	-29.83	-29.92	-30.06		-1.76
	20		-29.94	-30.23	-30.35	-29.72		-1.67
	21		-29.99	-30.11	-30.02	-30.34		-1.94
	22		-29.90	-29.69	-30.49	-30.15		-1.64
	23		-30.07	-29.81	-29.68	-29.96		-1.63
	24		-30.06	-29.91	-29.68	-30.30		-1.63
	25		-29.40	-29.56	-29.90	-29.35		-1.29
	26		-30.02	-30.15	-30.06	-30.34		-1.97
	27		-29.97	-30.00	-29.76	-30.59		-1.71
	28		-30.50	-30.12	-30.22	-30.14		-2.07
	29		-29.77	-29.93	-29.91	-30.14		-1.72
	30		-29.54	-29.62	-29.75	-30.14		-1.49
	31		-30.37	-29.82	-30.06	-30.07		-1.77
High	0	2180 to 2181 MHz	-29.42	-29.62	-29.34	-29.86	-28.05	-1.29
	1		-29.36	-29.01	-29.71	-29.34		-0.96
	2		-29.72	-29.25	-29.91	-29.86		-1.20
	3		-29.81	-29.34	-30.08	-29.72		-1.28
	4		-29.75	-29.01	-29.82	-29.77		-0.95
	5		-29.23	-29.65	-29.18	-29.39		-1.13
	6		-29.61	-29.00	-29.84	-29.91		-0.95
	7		-28.93	-29.88	-28.99	-29.21		-0.88
	8		-29.93	-29.10	-29.99	-30.14		-1.05
	9		-29.88	-29.03	-29.72	-29.68		-0.98
	10		-29.79	-29.05	-30.07	-30.25		-1.00
	11		-29.88	-29.01	-29.86	-29.69		-0.95
	12		-29.60	-29.13	-30.19	-29.43		-1.08
	13		-29.99	-29.89	-29.85	-29.65		-1.60
	14		-29.63	-29.05	-30.07	-29.53		-1.00
	15		-29.72	-29.11	-30.21	-29.54		-1.06
	16		-30.05	-29.36	-29.96	-30.22		-1.31
	17		-30.16	-29.58	-30.06	-29.12		-1.07
	18		-30.20	-29.07	-30.23	-29.82		-1.02
	19		-29.86	-29.45	-30.14	-29.89		-1.40
	20		-29.88	-28.91	-29.83	-29.73		-0.85
	21		-30.26	-29.35	-29.79	-29.83		-1.30
	22		-29.63	-29.24	-30.12	-29.79		-1.19
	23		-30.00	-29.43	-30.18	-29.77		-1.38
	24		-30.22	-29.27	-30.25	-30.41		-1.22
	25		-29.95	-29.49	-30.28	-29.44		-1.38
	26		-29.84	-29.60	-29.97	-29.52		-1.47
	27		-30.23	-29.38	-30.03	-30.01		-1.33
	28		-29.92	-29.07	-29.91	-29.56		-1.02
	29		-30.14	-29.46	-30.24	-30.80		-1.41
	30		-29.74	-29.26	-30.18	-29.29		-1.21
	31		-30.00	-29.24	-30.16	-30.53		-1.19

Table 8-117. Band Edge Emission Summary Data (LTE_B66_1C_5M)

**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-2025-03129-1
Page (260) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	2109 to 2110 MHz	-31.07	-32.12	-29.74	-31.11	-28.05	-1.69
	1		-30.46	-31.95	-32.16	-31.98		-2.40
	2		-33.07	-31.78	-31.80	-31.03		-2.98
	3		-31.49	-31.49	-32.13	-31.46		-3.41
	4		-31.46	-31.21	-31.51	-31.23		-3.15
	5		-30.73	-30.78	-31.37	-30.23		-2.18
	6		-30.93	-31.07	-31.91	-31.58		-2.88
	7		-30.94	-31.85	-31.58	-31.49		-2.89
	8		-31.42	-31.80	-31.40	-30.98		-2.92
	9		-31.68	-32.01	-31.75	-31.61		-3.56
	10		-31.63	-31.13	-31.60	-32.38		-3.08
	11		-31.22	-30.79	-31.27	-30.96		-2.74
	12		-32.66	-31.43	-31.39	-32.09		-3.34
	13		-31.37	-32.31	-31.71	-30.88		-2.83
	14		-31.16	-31.94	-31.29	-31.47		-3.11
	15		-31.56	-31.71	-30.50	-32.65		-2.44
	16		-31.01	-31.64	-32.99	-30.82		-2.77
	17		-32.38	-31.92	-33.37	-31.03		-2.98
	18		-34.02	-31.75	-31.22	-33.47		-3.17
	19		-32.60	-32.02	-31.55	-32.63		-3.50
	20		-32.11	-31.83	-32.94	-32.35		-3.78
	21		-31.81	-31.96	-32.44	-31.50		-3.45
	22		-32.06	-31.69	-30.41	-31.89		-2.36
	23		-31.23	-31.53	-32.16	-31.14		-3.09
	24		-32.29	-31.87	-32.43	-32.64		-3.82
	25		-31.79	-31.79	-31.18	-31.89		-3.13
	26		-32.51	-32.07	-32.56	-32.52		-4.02
	27		-32.25	-31.94	-31.92	-32.97		-3.87
	28		-32.50	-31.50	-32.27	-31.24		-3.19
	29		-31.11	-32.94	-31.44	-33.63		-3.06
	30		-31.26	-32.39	-31.12	-31.60		-3.07
	31		-32.48	-32.05	-32.17	-31.24		-3.19
High	0	2180 to 2181 MHz	-30.59	-31.04	-30.77	-30.58	-28.05	-2.52
	1		-31.56	-31.79	-32.09	-31.28		-3.22
	2		-31.39	-31.24	-31.87	-31.96		-3.19
	3		-31.92	-31.75	-32.03	-32.19		-3.70
	4		-32.64	-31.29	-30.29	-32.17		-2.24
	5		-30.72	-30.47	-30.04	-29.89		-1.84
	6		-31.32	-31.74	-31.67	-31.91		-3.27
	7		-31.27	-30.77	-30.88	-30.95		-2.72
	8		-31.49	-31.12	-32.59	-31.62		-3.07
	9		-31.70	-31.37	-30.94	-32.00		-2.89
	10		-31.26	-31.72	-31.70	-31.21		-3.16
	11		-31.41	-32.58	-31.01	-31.90		-2.96
	12		-31.17	-31.09	-31.04	-31.36		-2.99
	13		-31.13	-31.17	-30.84	-30.97		-2.79
	14		-30.59	-31.33	-31.03	-31.62		-2.54
	15		-31.80	-30.85	-33.21	-31.84		-2.79
	16		-31.55	-31.22	-32.33	-31.64		-3.16
	17		-31.18	-32.80	-31.57	-31.41		-3.13
	18		-31.81	-32.53	-31.03	-31.75		-2.98
	19		-31.46	-31.09	-30.78	-32.12		-2.73
	20		-31.26	-31.90	-30.23	-31.06		-2.18
	21		-31.77	-32.30	-32.03	-32.05		-3.71
	22		-31.66	-31.31	-31.13	-32.67		-3.07
	23		-31.60	-31.65	-30.90	-31.28		-2.85
	24		-31.95	-32.17	-31.05	-32.23		-3.00
	25		-32.23	-32.18	-30.69	-31.33		-2.64
	26		-31.75	-31.56	-32.64	-31.60		-3.51
	27		-32.90	-31.53	-31.51	-31.95		-3.46
	28		-32.06	-31.90	-33.02	-30.66		-2.60
	29		-31.75	-32.00	-32.56	-31.24		-3.19
	30		-31.08	-31.44	-30.67	-31.86		-2.62
	31		-31.29	-31.91	-31.71	-31.69		-3.23

Table 8-118. Band Edge Emission Summary Data (LTE_B66_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-2025-03129-1
Page (261) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	2109 to 2110 MHz	-32.44	-32.93	-32.25	-32.59	-28.05	-4.20
	1		-32.59	-33.14	-33.11	-33.25		-4.54
	2		-33.37	-33.71	-33.19	-33.47		-5.14
	3		-33.79	-33.27	-32.31	-34.06		-4.26
	4		-33.50	-33.88	-33.22	-34.36		-5.16
	5		-33.08	-31.35	-33.19	-31.71		-3.29
	6		-32.93	-34.12	-33.51	-33.68		-4.88
	7		-32.00	-31.98	-33.07	-31.93		-3.88
	8		-33.23	-33.15	-33.04	-33.33		-4.99
	9		-32.64	-33.31	-33.04	-33.39		-4.58
	10		-32.66	-33.42	-33.85	-32.94		-4.61
	11		-32.88	-34.13	-34.13	-33.50		-4.83
	12		-32.79	-34.60	-32.96	-34.05		-4.74
	13		-32.70	-33.14	-33.67	-34.09		-4.65
	14		-33.59	-33.45	-34.72	-33.43		-5.37
	15		-32.74	-33.06	-33.90	-33.30		-4.69
	16		-33.20	-33.94	-33.87	-34.29		-5.14
	17		-32.69	-34.25	-32.82	-32.81		-4.64
	18		-33.52	-33.87	-33.52	-33.34		-5.29
	19		-33.78	-33.50	-32.73	-34.14		-4.68
	20		-33.74	-33.72	-33.80	-34.24		-5.67
	21		-32.57	-33.25	-33.22	-32.72		-4.52
	22		-32.93	-32.62	-33.42	-32.80		-4.56
	23		-33.21	-33.43	-32.86	-33.54		-4.81
	24		-33.55	-33.22	-34.27	-32.66		-4.61
	25		-32.75	-33.73	-33.67	-33.26		-4.69
	26		-33.26	-34.58	-33.66	-34.08		-5.21
	27		-33.20	-33.48	-33.58	-33.16		-5.11
	28		-32.85	-33.29	-33.60	-33.38		-4.80
	29		-32.80	-33.12	-33.27	-32.21		-4.16
	30		-32.79	-33.44	-32.51	-33.44		-4.45
	31		-33.80	-33.65	-33.83	-34.39		-5.59
High	0	2180 to 2181 MHz	-33.89	-32.47	-32.80	-33.34	-28.05	-4.42
	1		-32.68	-31.93	-32.54	-32.42		-3.87
	2		-32.45	-32.31	-32.51	-33.53		-4.25
	3		-32.38	-33.14	-33.20	-33.49		-4.33
	4		-33.06	-32.85	-32.97	-32.46		-4.41
	5		-31.91	-31.83	-31.76	-31.41		-3.36
	6		-32.86	-32.56	-32.78	-32.47		-4.42
	7		-32.41	-31.88	-32.11	-32.54		-3.83
	8		-32.66	-33.39	-33.15	-32.39		-4.34
	9		-33.59	-33.12	-32.49	-33.23		-4.43
	10		-32.46	-32.88	-33.40	-33.42		-4.41
	11		-32.68	-33.49	-34.34	-33.66		-4.63
	12		-32.40	-32.48	-33.11	-32.90		-4.35
	13		-32.47	-31.81	-32.89	-32.47		-3.76
	14		-33.45	-32.48	-32.54	-32.91		-4.43
	15		-32.86	-32.77	-32.79	-32.96		-4.71
	16		-32.56	-33.12	-33.33	-33.14		-4.51
	17		-32.81	-32.15	-32.46	-32.76		-4.10
	18		-32.34	-32.17	-33.41	-32.72		-4.12
	19		-33.49	-32.09	-32.82	-33.12		-4.03
	20		-32.74	-32.45	-32.69	-32.52		-4.40
	21		-33.84	-33.26	-33.16	-33.89		-5.11
	22		-34.19	-32.69	-32.79	-32.34		-4.29
	23		-33.05	-32.91	-32.99	-32.57		-4.52
	24		-33.61	-32.70	-33.59	-32.93		-4.65
	25		-32.80	-33.63	-32.67	-33.65		-4.61
	26		-33.24	-33.04	-32.79	-32.17		-4.12
	27		-33.42	-33.00	-33.96	-33.52		-4.95
	28		-32.80	-33.55	-32.67	-33.65		-4.61
	29		-32.92	-32.92	-32.57	-32.88		-4.51
	30		-32.67	-32.49	-32.49	-32.14		-4.09
	31		-32.71	-32.40	-32.28	-33.49		-4.23

Table 8-119. Band Edge Emission Summary Data (LTE_B66_1C_15M)

**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-2025-03129-1
Page (262) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	2109 to 2110 MHz	-33.10	-32.02	-34.18	-33.74	-28.05	-3.96
	1		-33.70	-33.61	-35.42	-34.43		-5.56
	2		-35.08	-33.83	-35.03	-34.03		-5.77
	3		-35.38	-33.46	-34.52	-34.58		-5.41
	4		-34.32	-33.84	-34.60	-34.55		-5.79
	5		-33.17	-33.10	-33.20	-33.48		-5.05
	6		-35.42	-34.23	-33.99	-34.61		-5.94
	7		-34.21	-33.14	-33.17	-33.01		-4.96
	8		-33.41	-34.72	-33.65	-33.63		-5.36
	9		-34.73	-34.04	-33.47	-33.08		-5.03
	10		-33.91	-33.56	-34.44	-33.27		-5.22
	11		-34.61	-34.19	-33.92	-33.41		-5.36
	12		-34.21	-33.78	-34.18	-33.89		-5.72
	13		-33.25	-33.26	-33.24	-33.96		-5.19
	14		-34.36	-34.97	-33.95	-33.62		-5.57
	15		-34.26	-33.26	-34.40	-34.17		-5.21
	16		-35.40	-34.65	-34.81	-33.96		-5.91
	17		-34.61	-35.43	-34.81	-33.68		-5.63
	18		-34.49	-34.46	-34.06	-34.11		-6.01
	19		-34.56	-34.52	-34.83	-34.79		-6.47
	20		-34.65	-34.81	-33.96	-33.31		-5.26
	21		-34.52	-35.29	-34.74	-35.16		-6.47
	22		-35.66	-34.17	-34.34	-35.19		-6.12
	23		-34.57	-33.57	-34.23	-34.10		-5.51
	24		-34.69	-34.33	-34.67	-34.67		-6.28
	25		-34.46	-33.95	-34.36	-33.78		-5.73
	26		-34.67	-34.37	-34.17	-33.87		-5.82
	27		-35.56	-35.26	-34.90	-35.60		-6.85
	28		-34.43	-35.23	-35.00	-35.57		-6.38
	29		-33.62	-34.01	-34.55	-33.87		-5.56
	30		-33.50	-33.90	-33.71	-33.71		-5.45
	31		-33.72	-32.74	-34.76	-34.78		-4.69
High	0	2180 to 2181 MHz	-33.08	-32.70	-33.56	-33.82	-28.05	-4.64
	1		-34.60	-33.17	-34.69	-33.26		-5.12
	2		-34.51	-33.06	-34.40	-33.57		-5.01
	3		-34.45	-33.43	-33.29	-34.13		-5.24
	4		-34.66	-32.85	-33.57	-33.74		-4.79
	5		-33.39	-31.36	-32.32	-32.88		-3.31
	6		-34.61	-32.94	-33.80	-35.18		-4.89
	7		-33.76	-32.84	-33.06	-32.47		-4.42
	8		-34.45	-34.43	-34.06	-33.94		-5.89
	9		-33.61	-33.25	-33.64	-33.12		-5.07
	10		-35.50	-33.32	-34.21	-34.17		-5.26
	11		-34.73	-34.38	-33.18	-35.58		-5.13
	12		-35.06	-33.60	-33.40	-33.57		-5.35
	13		-34.46	-33.12	-34.33	-33.68		-5.07
	14		-34.21	-33.95	-33.88	-34.72		-5.83
	15		-33.85	-33.62	-33.27	-33.71		-5.21
	16		-34.28	-33.79	-34.16	-34.99		-5.73
	17		-33.95	-33.85	-34.76	-34.88		-5.80
	18		-34.33	-33.25	-33.77	-33.79		-5.20
	19		-35.32	-33.89	-33.60	-33.69		-5.55
	20		-34.20	-34.09	-33.49	-33.62		-5.44
	21		-34.44	-34.51	-34.49	-35.59		-6.38
	22		-33.50	-32.72	-33.74	-33.97		-4.66
	23		-34.77	-33.08	-34.33	-35.22		-5.03
	24		-34.17	-33.59	-34.24	-34.45		-5.54
	25		-34.47	-32.70	-34.14	-32.91		-4.64
	26		-34.12	-32.79	-34.16	-33.70		-4.74
	27		-35.03	-34.16	-33.90	-34.41		-5.85
	28		-34.91	-33.90	-33.69	-33.30		-5.25
	29		-34.81	-32.81	-33.75	-33.30		-4.75
	30		-34.67	-32.50	-34.18	-32.85		-4.45
	31		-33.55	-33.60	-34.32	-33.39		-5.34

Table 8-120. Band Edge Emission Summary Data (LTE_B66_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-2025-03129-1
Page (263) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	2109 to 2110 MHz	-28.90	-28.78	-29.42	-29.44	-28.05	-0.73
	1		-29.17	-29.00	-30.12	-29.79		-0.95
	2		-29.63	-29.41	-30.14	-30.05		-1.36
	3		-29.62	-29.26	-29.95	-29.99		-1.21
	4		-29.57	-29.40	-30.16	-30.14		-1.34
	5		-30.02	-29.43	-28.71	-28.69		-0.63
	6		-29.44	-29.28	-29.95	-29.81		-1.22
	7		-28.70	-29.26	-28.91	-28.81		-0.65
	8		-29.45	-29.24	-29.90	-29.71		-1.19
	9		-29.40	-29.09	-29.86	-29.81		-1.04
	10		-29.37	-29.08	-29.89	-29.62		-1.02
	11		-29.41	-29.34	-29.80	-29.93		-1.28
	12		-29.38	-29.18	-29.96	-29.95		-1.13
	13		-29.56	-28.90	-29.77	-29.60		-0.85
	14		-29.32	-29.36	-29.72	-29.91		-1.27
	15		-29.40	-29.08	-29.95	-29.63		-1.03
	16		-29.65	-29.54	-30.08	-29.86		-1.48
	17		-29.41	-29.34	-30.14	-30.08		-1.29
	18		-29.59	-29.44	-30.06	-30.00		-1.38
	19		-29.62	-29.39	-30.11	-30.00		-1.34
	20		-29.67	-29.33	-29.98	-30.18		-1.28
	21		-29.81	-29.59	-30.08	-30.27		-1.54
	22		-29.57	-29.43	-30.16	-30.19		-1.37
	23		-29.48	-29.01	-30.07	-30.04		-0.96
	24		-29.74	-29.52	-30.45	-30.13		-1.47
	25		-29.63	-29.10	-30.08	-30.02		-1.04
	26		-30.03	-29.63	-30.68	-30.14		-1.58
	27		-29.60	-29.53	-30.09	-30.08		-1.48
	28		-29.80	-29.41	-29.98	-30.16		-1.36
	29		-29.55	-29.17	-30.15	-30.14		-1.11
	30		-29.52	-29.38	-29.99	-30.00		-1.33
	31		-29.67	-29.36	-29.98	-30.05		-1.30
High	0	2180 to 2181 MHz	-29.10	-28.74	-30.14	-28.78	-28.05	-0.69
	1		-30.34	-29.74	-30.06	-30.09		-1.69
	2		-30.47	-29.31	-30.28	-29.98		-1.26
	3		-29.93	-29.90	-31.65	-30.14		-1.85
	4		-30.57	-31.48	-29.34	-29.12		-1.07
	5		-29.07	-28.76	-28.99	-30.30		-0.71
	6		-29.23	-30.24	-30.65	-31.33		-1.18
	7		-29.64	-29.22	-29.27	-29.34		-1.17
	8		-30.58	-29.79	-31.20	-30.24		-1.74
	9		-30.16	-30.62	-30.21	-30.05		-1.99
	10		-30.22	-30.04	-30.16	-30.58		-1.99
	11		-29.49	-31.12	-29.52	-29.90		-1.43
	12		-30.19	-29.26	-30.62	-30.58		-1.21
	13		-29.80	-30.25	-30.73	-29.71		-1.66
	14		-29.29	-29.49	-30.65	-30.67		-1.24
	15		-29.64	-29.64	-29.97	-30.35		-1.58
	16		-30.77	-29.99	-30.68	-29.93		-1.87
	17		-31.17	-29.71	-28.88	-30.96		-0.83
	18		-29.81	-30.78	-29.72	-30.85		-1.67
	19		-30.75	-28.79	-29.63	-29.02		-0.74
	20		-29.33	-29.69	-30.01	-29.95		-1.28
	21		-30.33	-30.93	-30.06	-30.23		-2.01
	22		-31.06	-30.41	-30.26	-30.48		-2.20
	23		-29.58	-30.07	-29.94	-30.95		-1.52
	24		-30.58	-30.50	-31.37	-30.06		-2.01
	25		-31.28	-31.64	-30.37	-30.03		-1.97
	26		-29.70	-30.00	-30.03	-30.19		-1.65
	27		-29.74	-31.22	-29.98	-29.66		-1.60
	28		-30.41	-30.14	-30.72	-30.55		-2.09
	29		-30.74	-30.20	-30.23	-30.77		-2.15
	30		-30.16	-31.46	-31.27	-29.77		-1.72
	31		-29.56	-30.84	-30.14	-30.58		-1.51

Table 8-121. Band Edge Emission Summary Data (NR_n66_1C_5M)

**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-2025-03129-1
Page (264) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	2109 to 2110 MHz	-32.02	-29.43	-29.84	-29.22	-28.05	-1.17
	1		-31.56	-30.05	-30.08	-29.62		-1.57
	2		-29.88	-29.95	-29.67	-29.95		-1.62
	3		-30.81	-29.54	-30.73	-29.85		-1.49
	4		-30.58	-29.89	-30.46	-30.50		-1.84
	5		-29.27	-29.25	-29.24	-29.66		-1.19
	6		-31.41	-30.09	-30.32	-29.81		-1.76
	7		-29.45	-29.63	-29.69	-29.69		-1.40
	8		-29.91	-29.39	-31.69	-29.27		-1.21
	9		-29.41	-29.56	-29.79	-29.14		-1.09
	10		-29.48	-29.68	-29.56	-29.27		-1.22
	11		-29.72	-30.57	-31.50	-29.37		-1.31
	12		-29.54	-29.94	-29.56	-29.29		-1.23
	13		-30.53	-29.60	-30.34	-29.33		-1.27
	14		-30.52	-29.84	-31.30	-29.07		-1.02
	15		-29.63	-29.51	-30.03	-31.25		-1.46
	16		-31.04	-29.68	-29.80	-29.58		-1.53
	17		-30.97	-29.54	-29.90	-30.40		-1.48
	18		-30.24	-30.03	-29.73	-29.47		-1.42
	19		-30.46	-29.42	-29.82	-29.69		-1.37
	20		-30.46	-30.09	-29.89	-29.80		-1.75
	21		-30.02	-29.62	-30.84	-30.17		-1.57
	22		-30.21	-29.13	-29.80	-29.92		-1.07
	23		-30.01	-31.80	-30.88	-29.46		-1.40
	24		-29.92	-29.59	-30.21	-31.42		-1.53
	25		-30.12	-29.40	-30.67	-29.97		-1.34
	26		-31.13	-30.97	-29.76	-29.21		-1.16
	27		-30.71	-30.09	-31.21	-30.18		-2.04
	28		-30.02	-29.94	-30.34	-30.85		-1.89
	29		-30.89	-30.42	-30.33	-30.16		-2.11
	30		-30.17	-30.24	-29.70	-29.73		-1.65
	31		-29.67	-30.11	-31.55	-30.03		-1.62
High	0	2180 to 2181 MHz	-29.70	-30.18	-29.34	-29.88	-28.05	-1.29
	1		-29.87	-30.84	-29.10	-29.78		-1.05
	2		-29.80	-30.25	-29.89	-30.88		-1.75
	3		-29.40	-29.26	-30.28	-30.52		-1.20
	4		-29.55	-29.60	-29.47	-29.86		-1.42
	5		-29.34	-29.43	-29.83	-29.48		-1.29
	6		-30.41	-29.42	-29.29	-31.01		-1.24
	7		-29.52	-29.70	-29.36	-29.28		-1.23
	8		-29.75	-29.70	-30.46	-30.41		-1.65
	9		-29.67	-30.23	-29.80	-30.23		-1.62
	10		-30.39	-29.73	-29.75	-30.43		-1.68
	11		-29.59	-30.55	-30.13	-30.98		-1.54
	12		-29.26	-29.67	-29.06	-30.94		-1.00
	13		-29.52	-30.09	-29.47	-29.66		-1.42
	14		-30.31	-29.63	-29.16	-30.30		-1.10
	15		-29.47	-30.16	-29.91	-29.97		-1.42
	16		-29.08	-29.93	-30.49	-30.65		-1.03
	17		-29.63	-29.09	-30.14	-30.23		-1.03
	18		-29.73	-29.77	-29.68	-30.09		-1.63
	19		-30.25	-30.24	-30.31	-30.42		-2.18
	20		-29.56	-29.83	-30.16	-29.99		-1.51
	21		-30.11	-30.21	-30.60	-30.94		-2.05
	22		-30.73	-29.22	-29.75	-30.37		-1.17
	23		-29.74	-29.49	-30.43	-31.22		-1.44
	24		-30.53	-29.59	-29.65	-30.93		-1.53
	25		-30.17	-29.73	-29.39	-30.93		-1.34
	26		-29.36	-29.50	-30.23	-30.90		-1.31
	27		-29.78	-30.49	-29.30	-31.17		-1.25
	28		-29.55	-29.70	-29.51	-30.72		-1.45
	29		-30.34	-30.22	-30.28	-30.66		-2.17
	30		-29.53	-29.78	-29.12	-30.17		-1.07
	31		-29.45	-30.64	-29.85	-30.22		-1.40

Table 8-122. Band Edge Emission Summary Data (NR_n66_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-2025-03129-1
Page (265) / (480) pages

Edge	Port	Measured Range	Max. Value (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	2109 to 2110 MHz	-30.76	-29.94	-31.72	-30.94	-28.05	-1.89
	1		-31.12	-29.63	-31.14	-30.66		-1.58
	2		-31.15	-31.68	-31.28	-30.94		-2.89
	3		-32.22	-30.00	-31.02	-32.50		-1.94
	4		-30.07	-30.87	-32.00	-32.82		-2.02
	5		-30.10	-30.32	-30.89	-29.58		-1.53
	6		-32.63	-30.35	-30.95	-31.42		-2.29
	7		-31.47	-29.56	-30.58	-30.45		-1.50
	8		-32.10	-32.05	-30.43	-31.46		-2.38
	9		-30.43	-30.48	-31.51	-31.53		-2.38
	10		-31.84	-30.55	-31.20	-31.52		-2.50
	11		-30.70	-30.26	-30.60	-30.94		-2.21
	12		-30.68	-30.39	-31.02	-32.38		-2.34
	13		-32.07	-30.21	-30.27	-32.03		-2.16
	14		-31.97	-30.33	-31.80	-31.55		-2.28
	15		-31.31	-30.49	-31.24	-31.36		-2.44
	16		-31.65	-31.57	-31.80	-31.09		-3.04
	17		-30.54	-29.81	-30.89	-31.95		-1.75
	18		-33.25	-30.60	-32.21	-31.24		-2.55
	19		-32.37	-31.24	-31.24	-31.26		-3.19
	20		-31.68	-30.57	-31.48	-31.35		-2.51
	21		-32.10	-30.59	-31.88	-31.95		-2.54
	22		-31.76	-31.70	-32.16	-31.26		-3.21
	23		-32.55	-31.37	-32.66	-32.23		-3.32
	24		-31.65	-31.10	-31.11	-31.97		-3.04
	25		-31.69	-31.27	-31.43	-32.31		-3.21
	26		-32.35	-31.26	-30.99	-31.99		-2.94
	27		-31.29	-31.42	-31.68	-31.79		-3.24
	28		-31.10	-31.64	-31.04	-31.25		-2.98
	29		-32.14	-30.87	-32.17	-30.78		-2.73
	30		-32.67	-30.64	-32.49	-31.96		-2.59
	31		-31.81	-30.00	-30.89	-31.85		-1.95
High	0	2180 to 2181 MHz	-30.71	-30.03	-31.05	-31.15	-28.05	-1.98
	1		-30.76	-31.02	-30.83	-30.68		-2.63
	2		-30.86	-31.93	-31.48	-30.74		-2.68
	3		-31.50	-30.83	-30.97	-31.28		-2.78
	4		-30.96	-30.75	-31.18	-31.41		-2.69
	5		-30.06	-29.63	-30.14	-29.47		-1.42
	6		-30.76	-31.00	-30.82	-31.05		-2.71
	7		-29.36	-30.47	-30.42	-30.61		-1.31
	8		-30.81	-30.90	-31.04	-31.79		-2.76
	9		-31.25	-31.11	-30.78	-31.35		-2.73
	10		-30.72	-31.03	-30.70	-31.83		-2.65
	11		-31.11	-30.85	-30.43	-31.00		-2.38
	12		-30.92	-30.99	-30.90	-31.23		-2.85
	13		-29.94	-31.38	-31.19	-30.84		-1.89
	14		-30.85	-31.11	-30.59	-30.66		-2.54
	15		-31.38	-31.17	-30.55	-32.09		-2.50
	16		-31.03	-30.89	-31.76	-31.43		-2.83
	17		-31.55	-30.61	-31.66	-31.11		-2.56
	18		-30.91	-30.60	-31.40	-31.06		-2.55
	19		-31.45	-30.31	-31.21	-31.04		-2.25
	20		-31.30	-31.09	-31.38	-31.34		-3.04
	21		-31.77	-32.32	-31.97	-31.53		-3.47
	22		-31.48	-32.24	-31.06	-30.64		-2.59
	23		-31.11	-31.64	-31.84	-31.55		-3.06
	24		-31.52	-32.32	-32.10	-31.60		-3.47
	25		-31.39	-30.37	-31.61	-31.23		-2.31
	26		-31.82	-31.48	-31.26	-31.50		-3.21
	27		-30.91	-31.98	-30.76	-31.06		-2.71
	28		-31.58	-31.60	-31.26	-31.34		-3.21
	29		-31.18	-31.39	-30.81	-31.69		-2.76
	30		-31.28	-31.20	-31.41	-30.99		-2.93
	31		-31.15	-31.08	-30.35	-31.14		-2.30

Table 8-123. Band Edge Emission Summary Data (NR_n66_1C_15M)