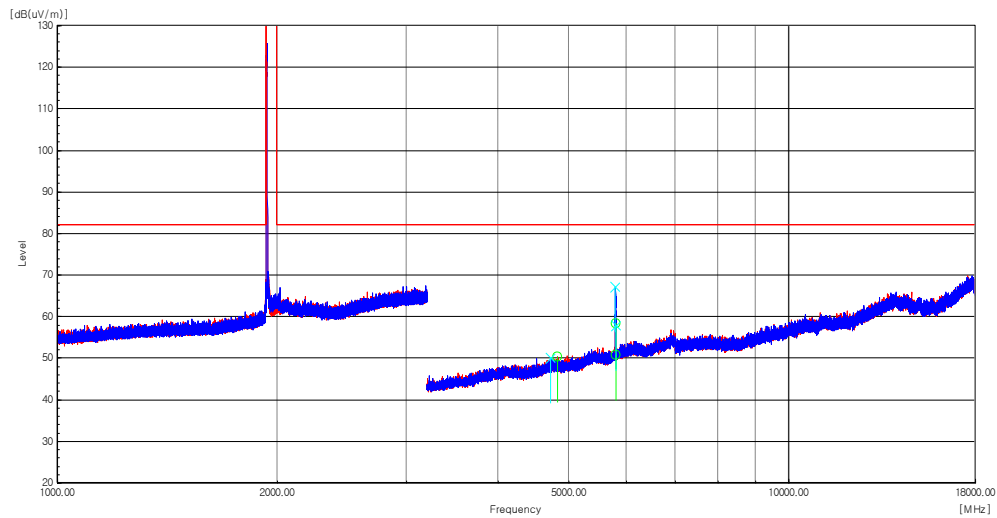




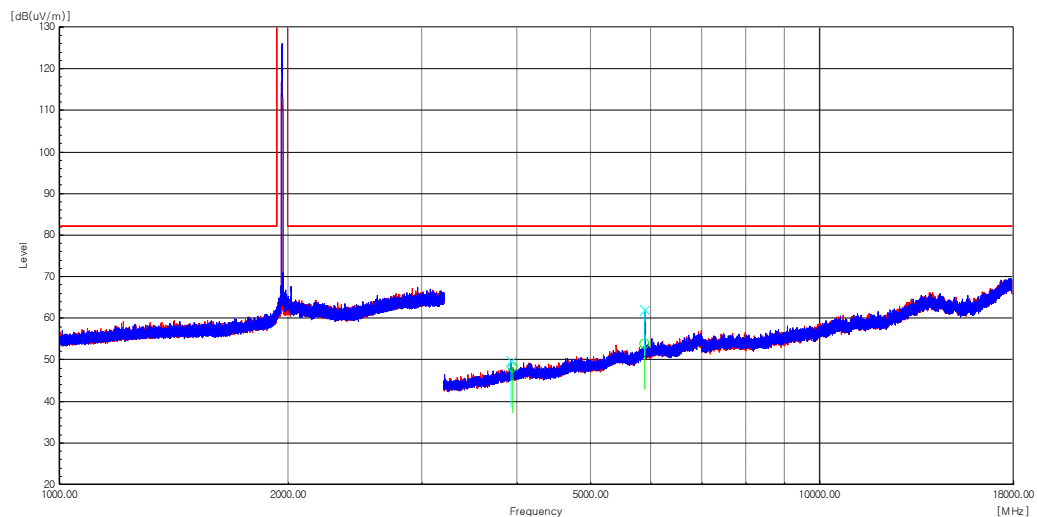
CTK Co., Ltd.

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

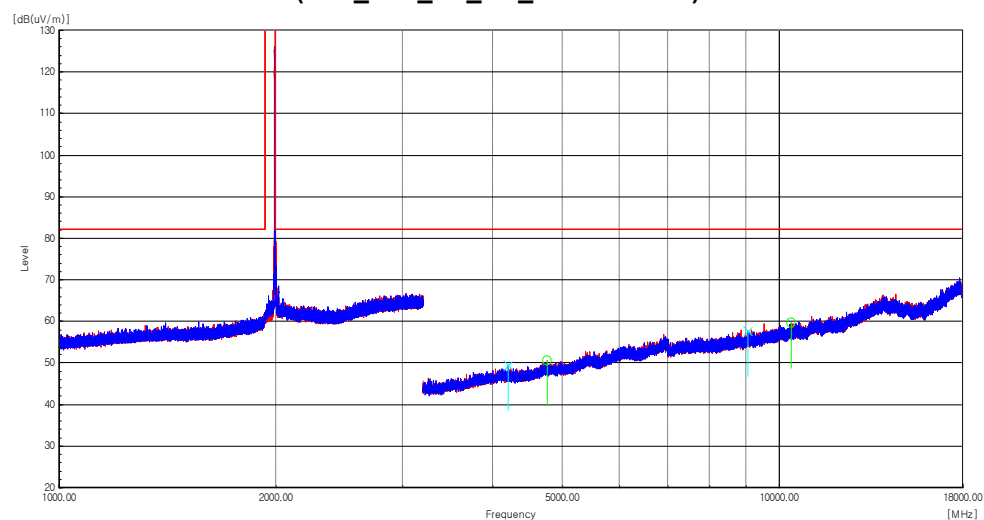
REPORT No.:
CTK-2025-03736
Page (167) / (195) pages



**Plot 8-288. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_B25_1C_5M_Low Channel)**



**Plot 8-289. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_B25_1C_5M_Mid Channel)**



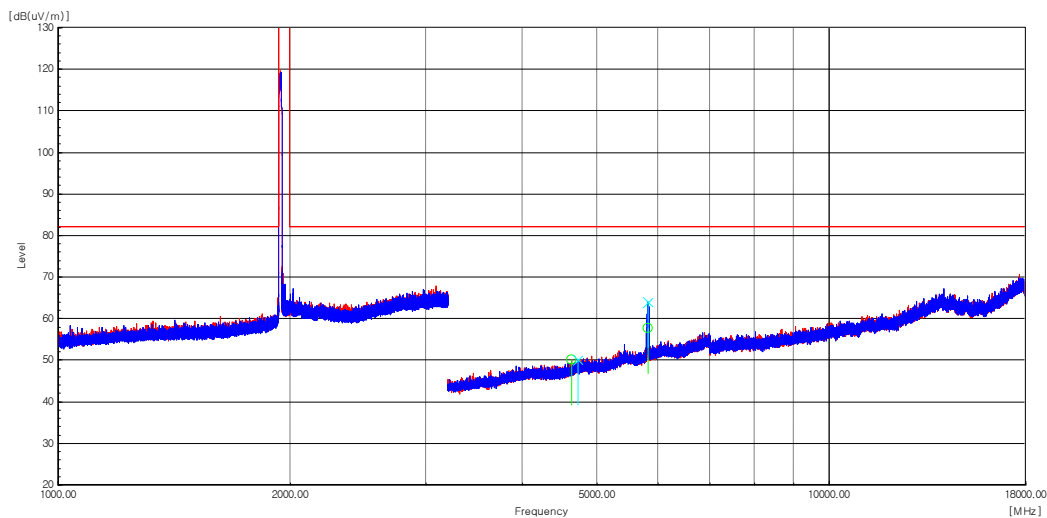
**Plot 8-290. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_B25_1C_5M_High Channel)**



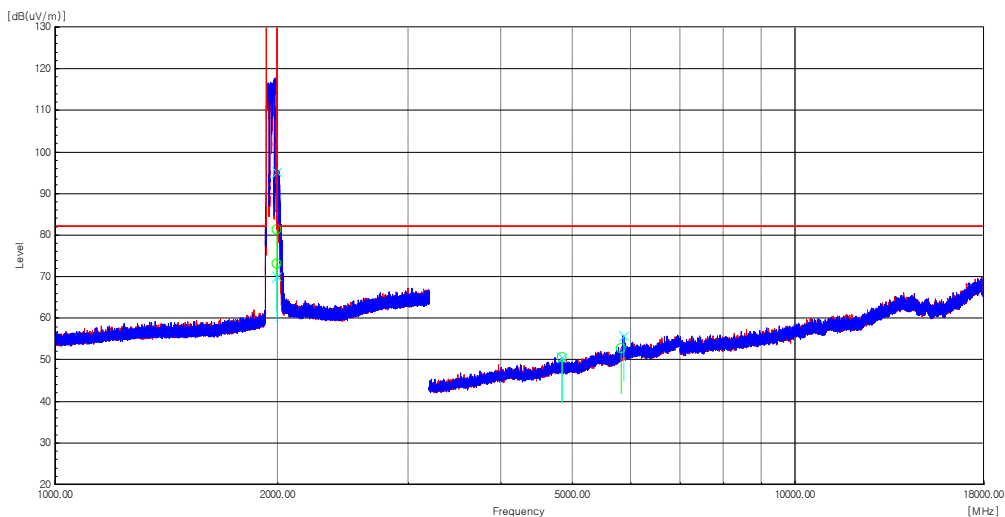
CTK Co., Ltd.

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

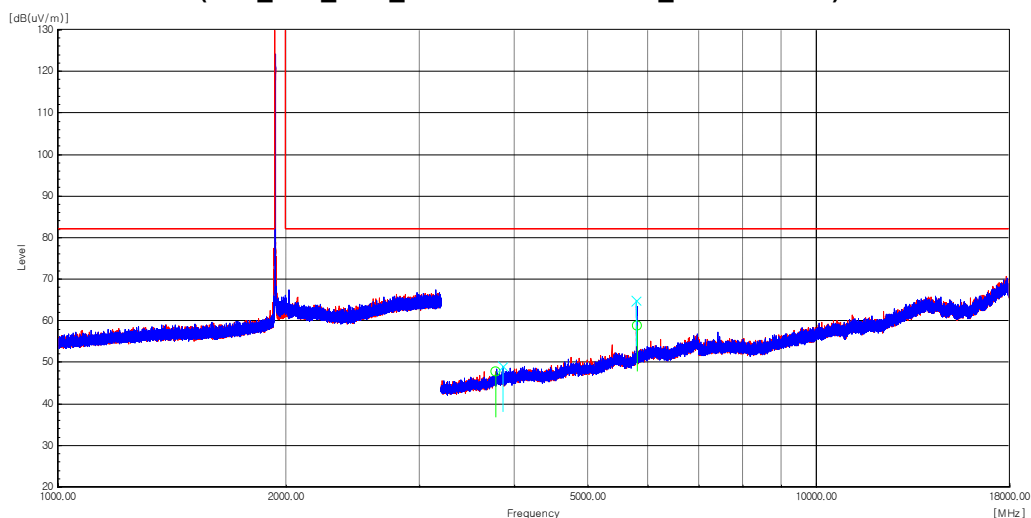
REPORT No.:
CTK-2025-03736
Page (168) / (195) pages



**Plot 8-291. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_B25_1C_20M_Mid Channel)**



**Plot 8-292. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_B25_4NC_15M+15M+15M+15M_Mid Channel)**



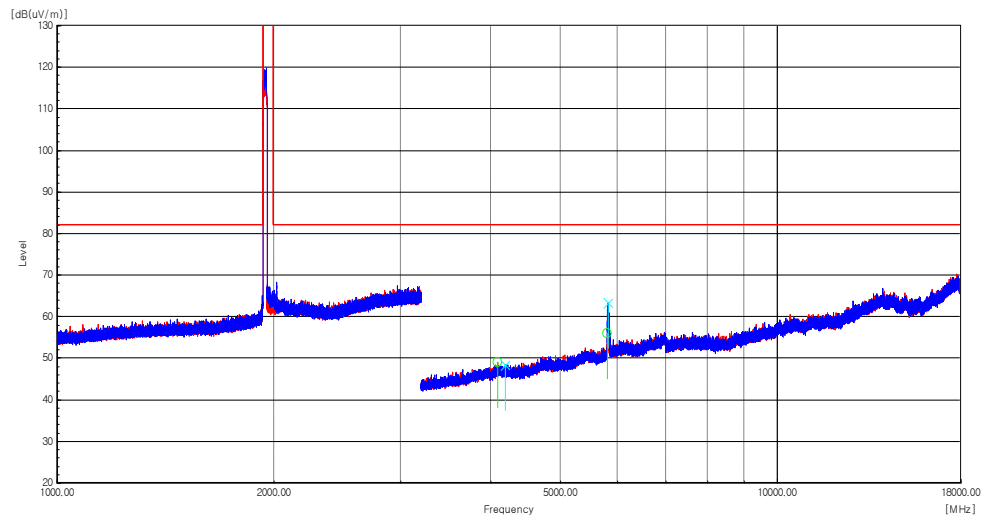
**Plot 8-293. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n25_1C_5M_Low Channel)**



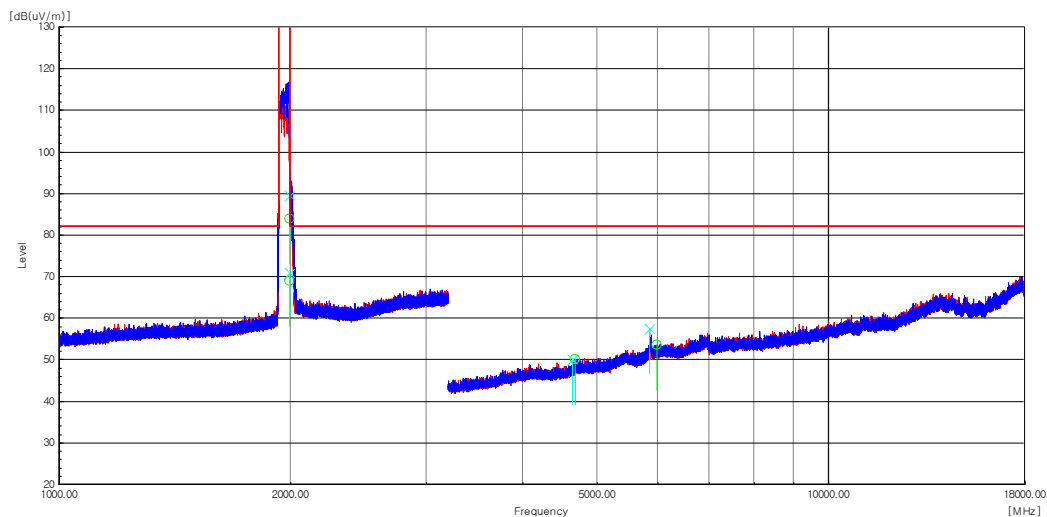
CTK Co., Ltd.

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

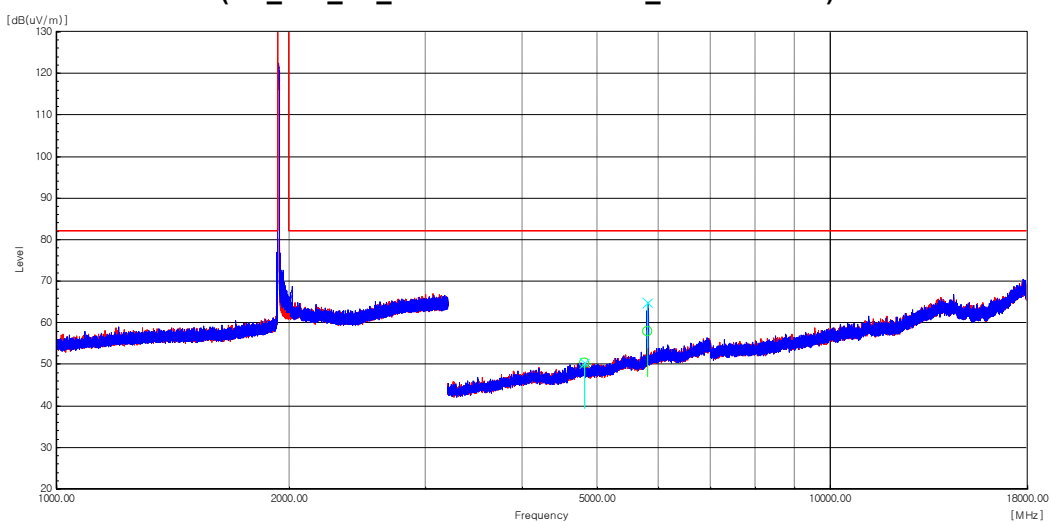
REPORT No.:
CTK-2025-03736
Page (169) / (195) pages



**Plot 8-294. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n25_1C_25M_Low Channel)**



**Plot 8-295. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n25_4C_15M+15M+15M+15M_Low Channel)**



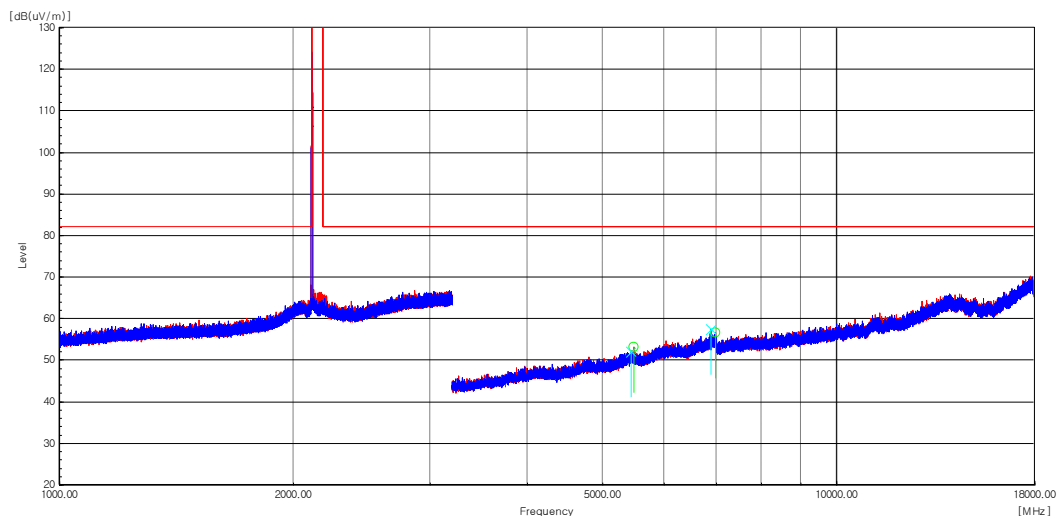
**Plot 8-296. Radiated spurious emission Plot_1 GHz to 18 GHz
(MSR_B/n25_2C_LTE_5M+NR_5M_Low Channel)**



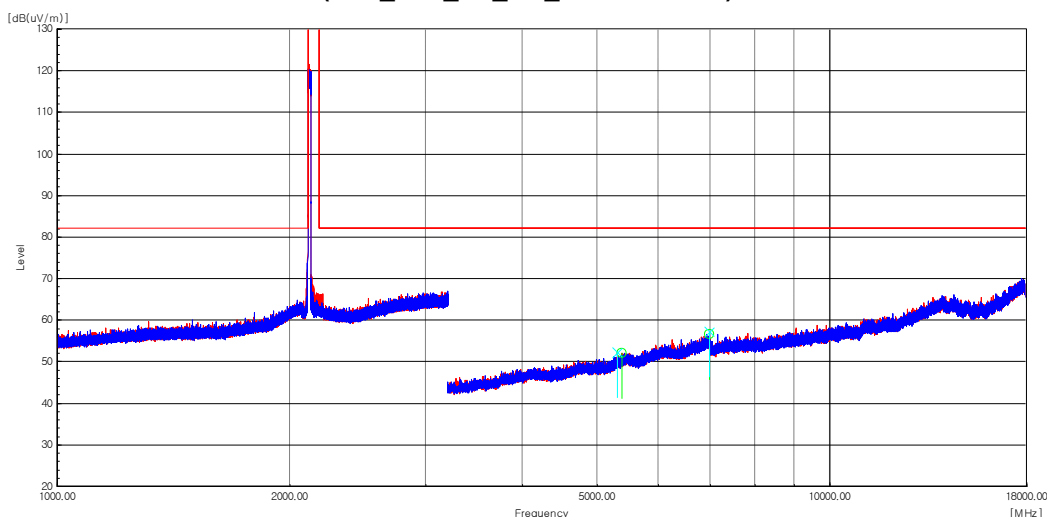
CTK Co., Ltd.

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

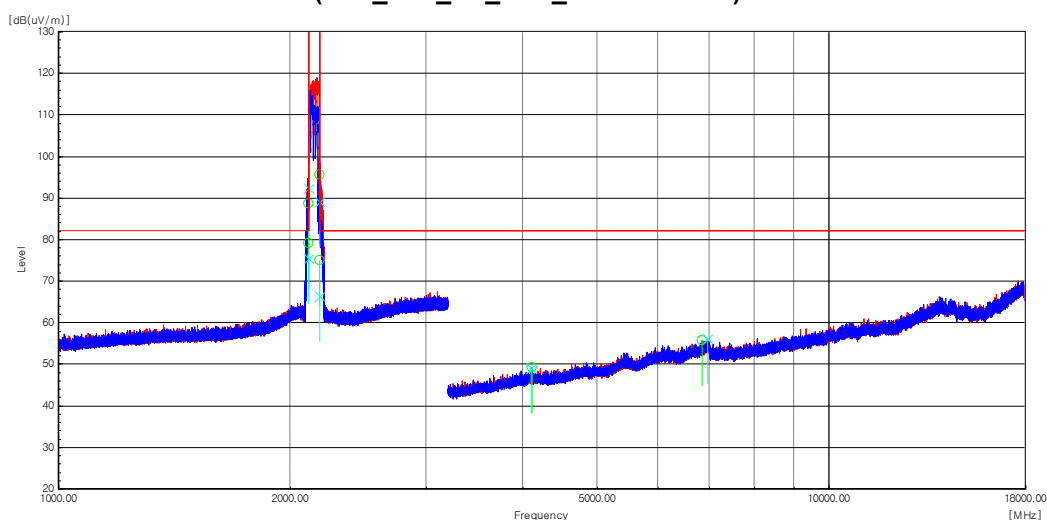
REPORT No.:
CTK-2025-03736
Page (170) / (195) pages



**Plot 8-297. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_B66_1C_5M_Low Channel)**



**Plot 8-298. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_B66_1C_20M_Low Channel)**



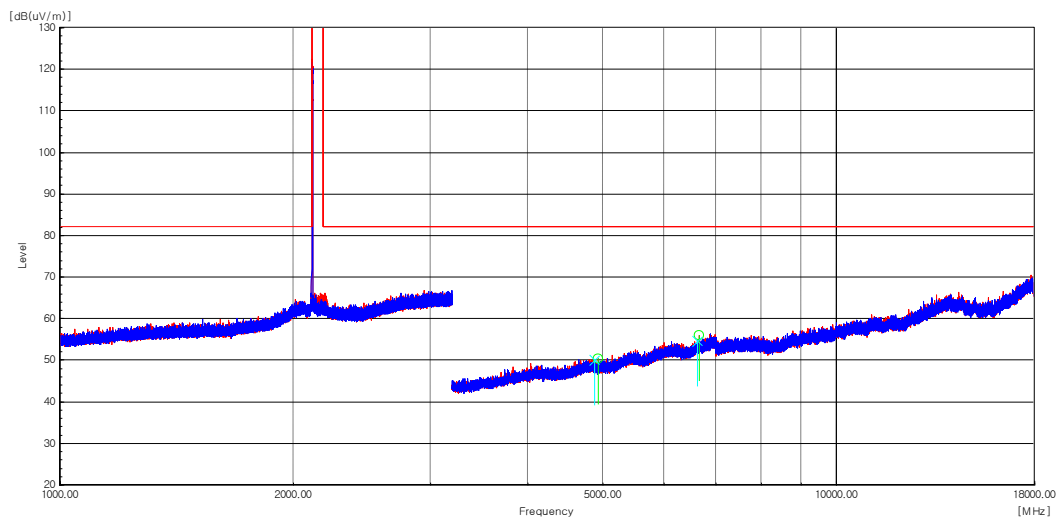
**Plot 8-299. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_B66_4C_15M+15M+15M+15M_Low Channel)**



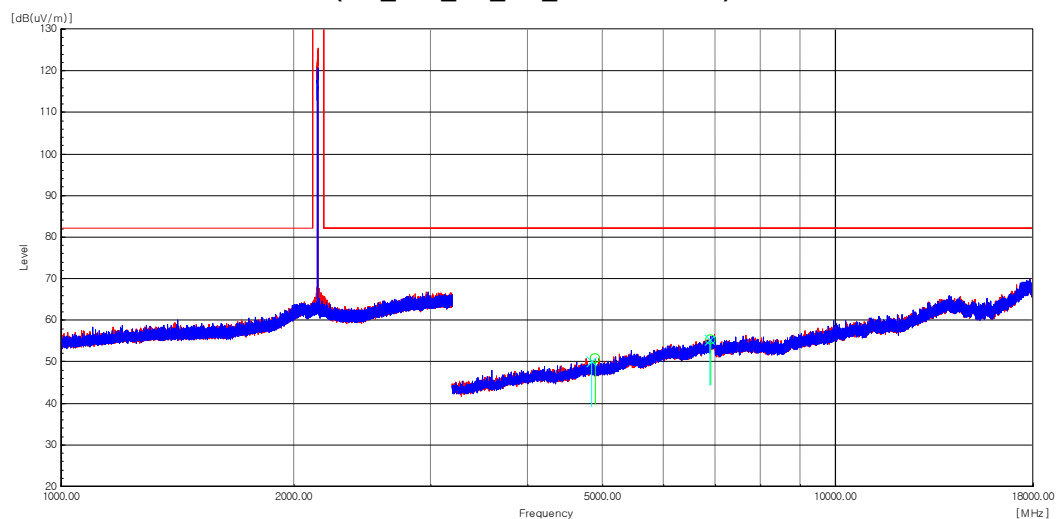
CTK Co., Ltd.

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

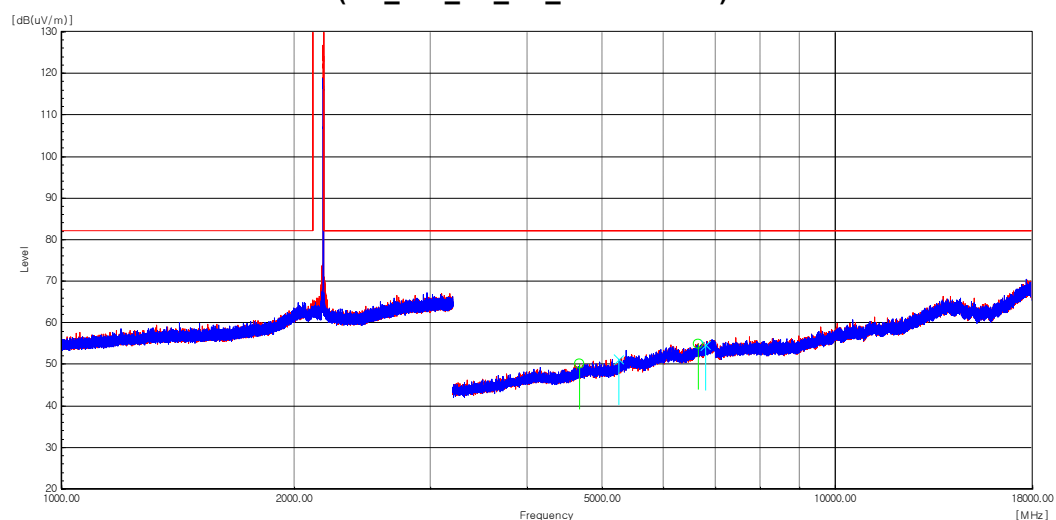
REPORT No.:
CTK-2025-03736
Page (171) / (195) pages



**Plot 8-300. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n66_1C_5M_Low Channel)**



**Plot 8-301. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n66_1C_5M_Mid Channel)**



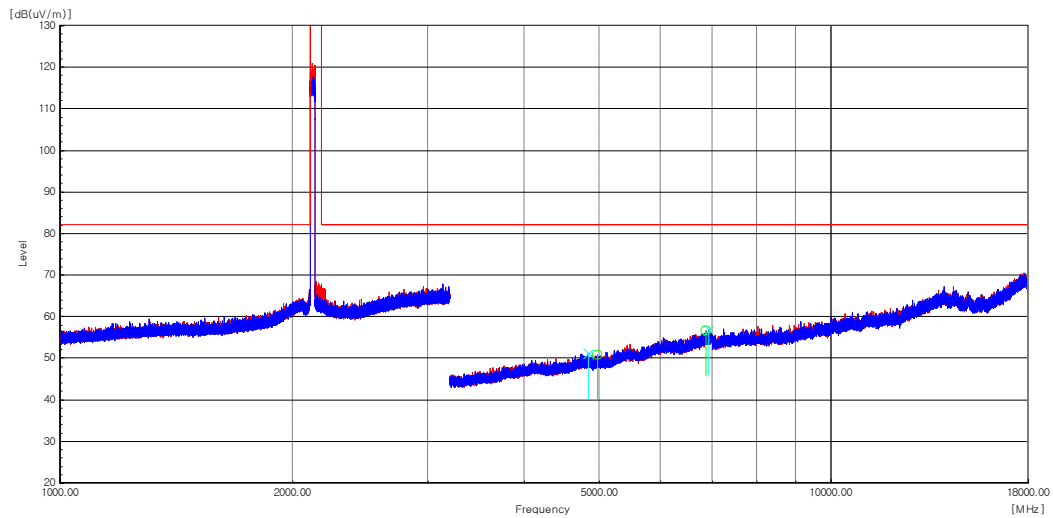
**Plot 8-302. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n66_1C_5M_High Channel)**



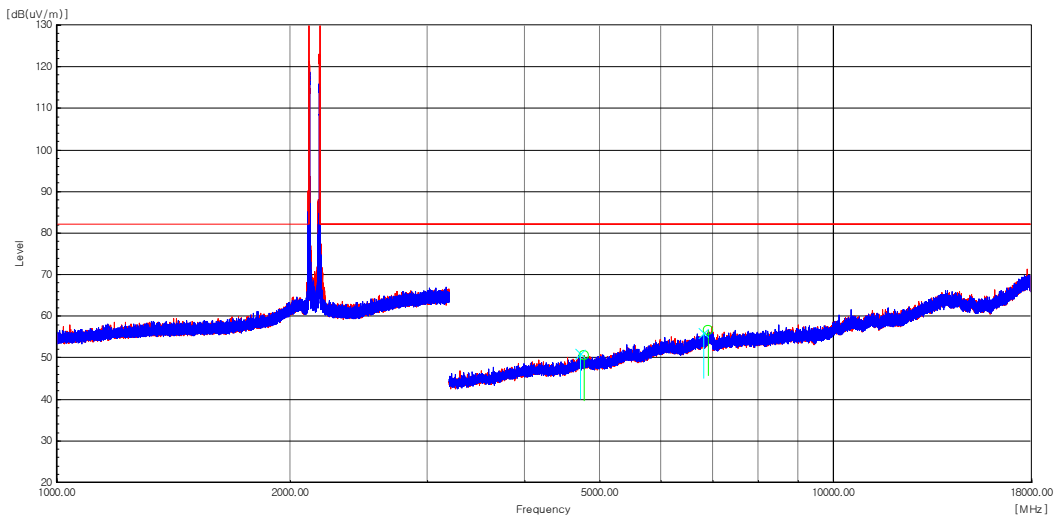
CTK Co., Ltd.

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

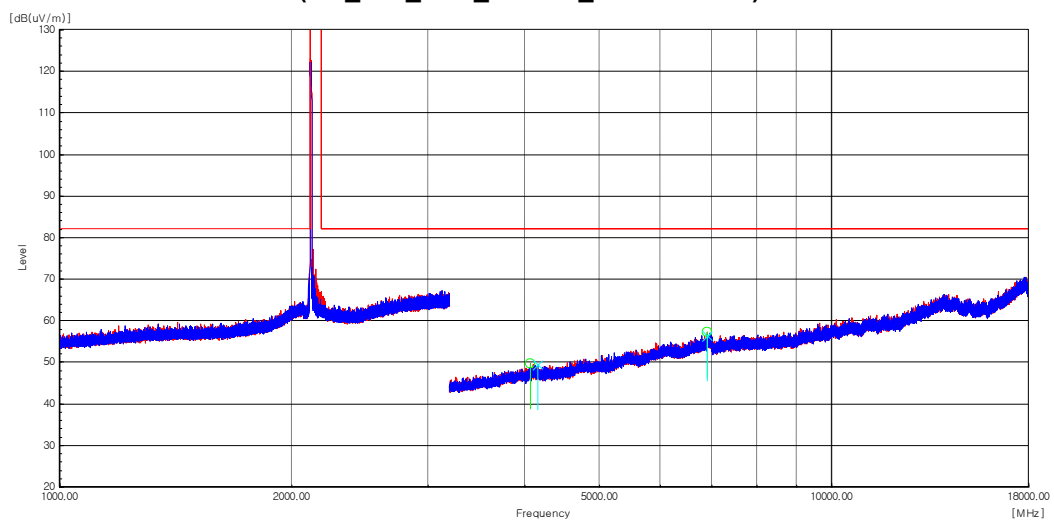
REPORT No.:
CTK-2025-03736
Page (172) / (195) pages



**Plot 8-303. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n66_1C_30M_Low Channel)**



**Plot 8-304. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n66_2NC_5M+5M_Mid Channel)**



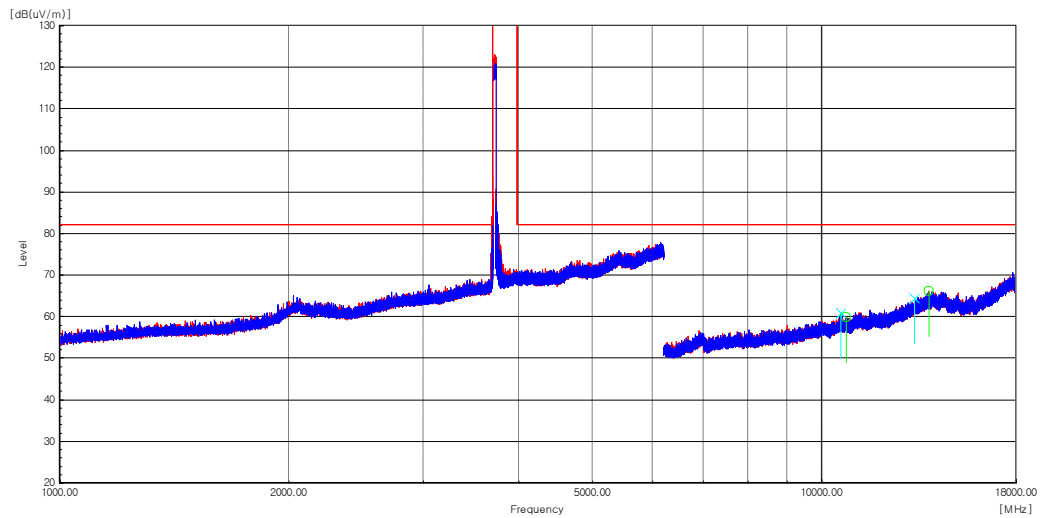
**Plot 8-305. Radiated spurious emission Plot_1 GHz to 18 GHz
(MSR_B/n66_2C_LTE_5M+NR_5M_Low Channel)**



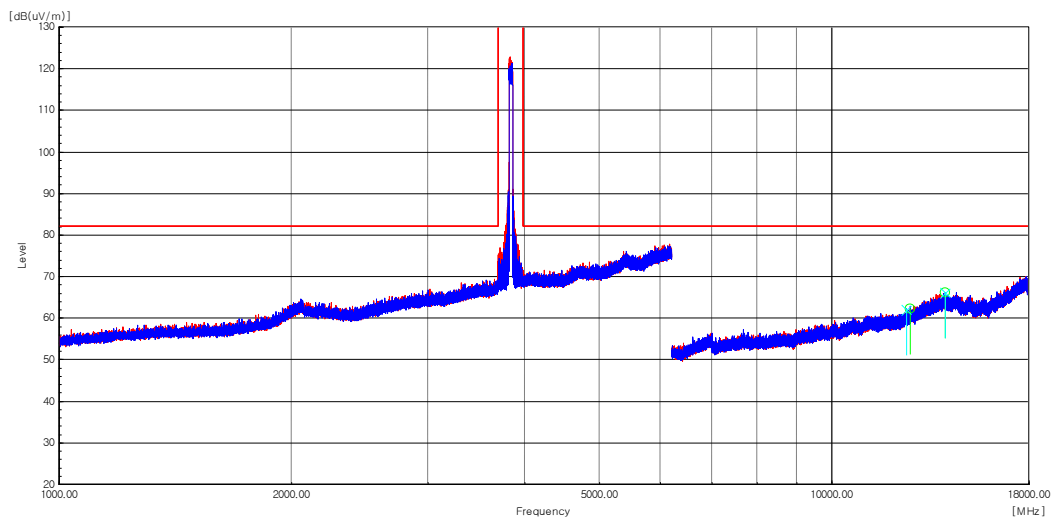
CTK Co., Ltd.

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

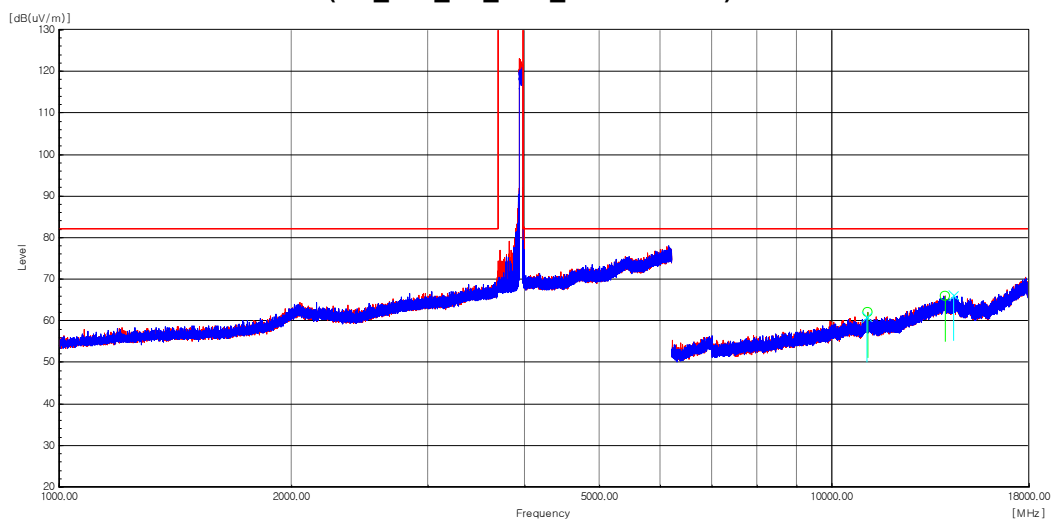
REPORT No.:
CTK-2025-03736
Page (173) / (195) pages



**Plot 8-306. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n77_1C_40M_Low Channel)**



**Plot 8-307. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n77_1C_40M_Mid Channel)**



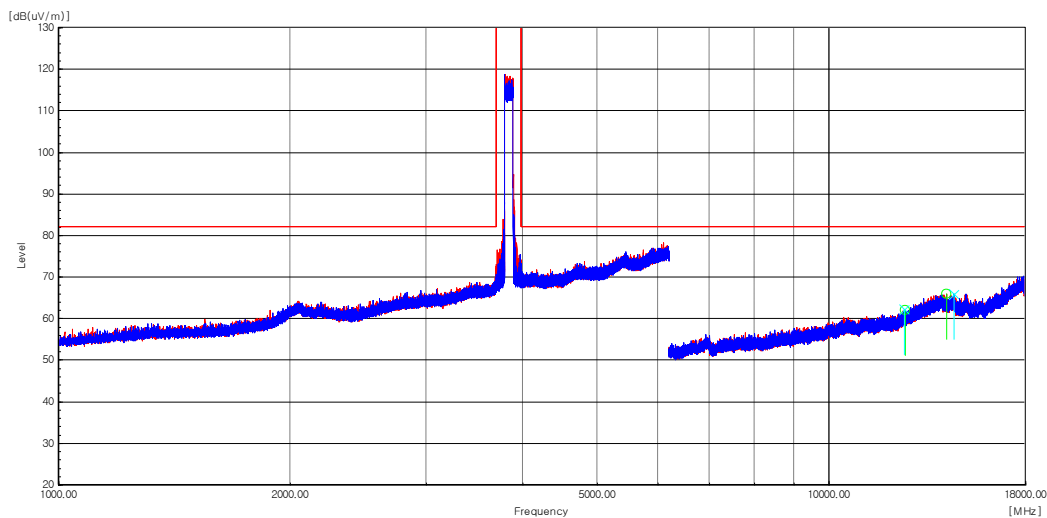
**Plot 8-308. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n77_1C_40M_High Channel)**



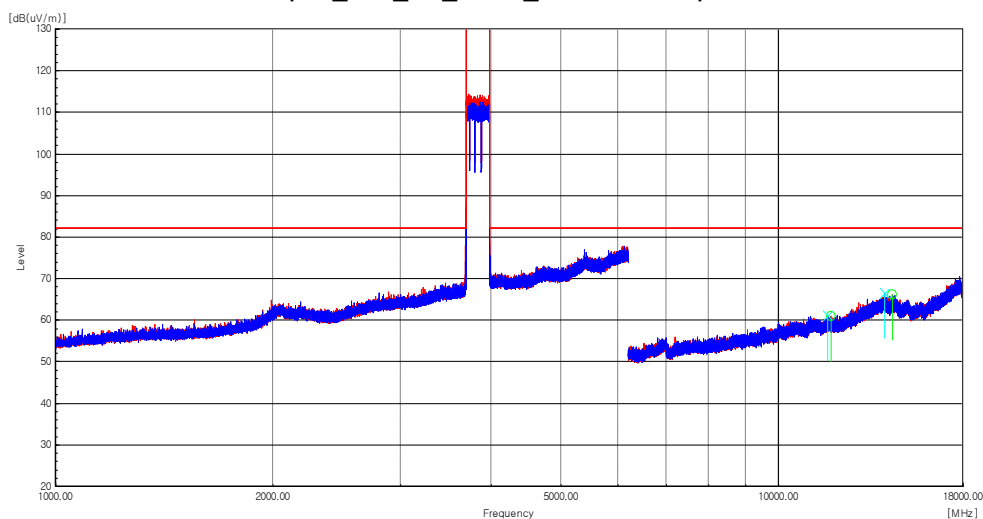
CTK Co., Ltd.

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

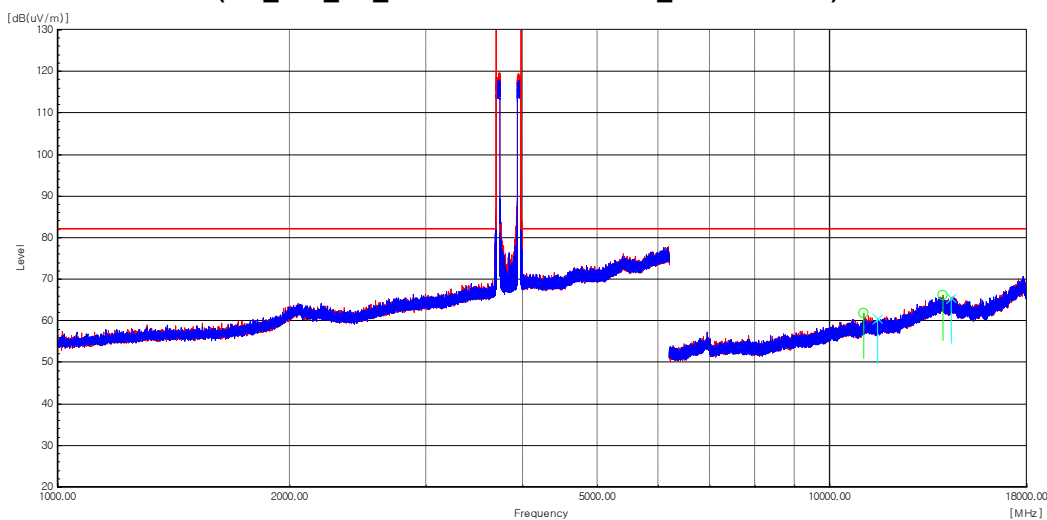
REPORT No.:
CTK-2025-03736
Page (174) / (195) pages



**Plot 8-309. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n77_1C_100M_Mid Channel)**



**Plot 8-310. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n77_4C_40M+60M+80M+100M_Mid Channel)**



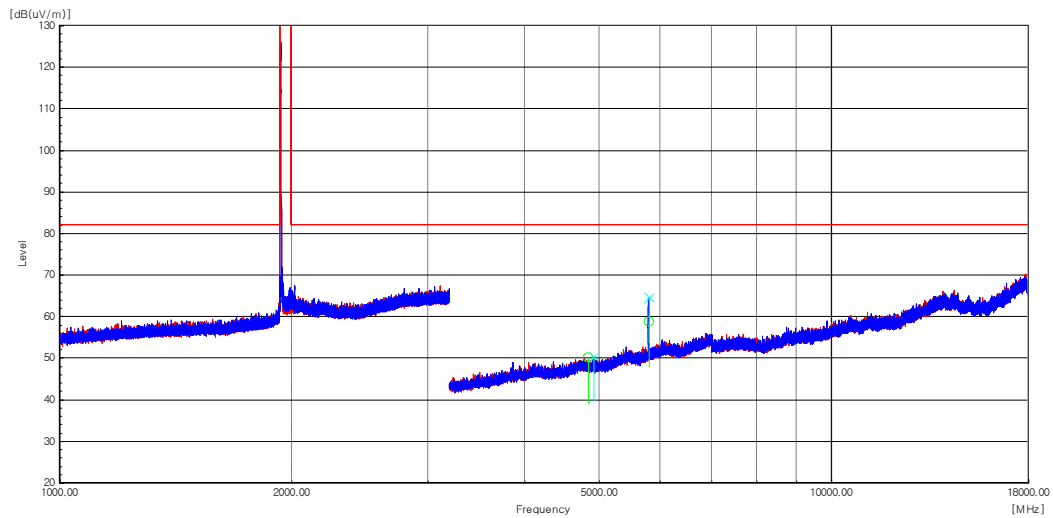
**Plot 8-311. Radiated spurious emission Plot_1 GHz to 18 GHz
(NR_n77_2NC_40M+40M_Mid Channel)**



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-2025-03736
Page (175) / (195) pages



**Plot 8-312. Radiated spurious emission Plot_1 GHz to 18 GHz
(LTE_B25_1C_5M_Low Channel_PoE Mode)**

Worst Mode	Frequency [MHz]	Ant. Pol. [H/V]	Analyzer Level [dB μ V/m]	AFCL [dB]	Field Strength [dB μ V/m]	Peak EIRP [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna Heigh [cm]	Turntable azimuth [degree]
Pre-Scan LTE_B25_1C_5M_Low Channel	5794.839	V	61.5	5.6	67.1	-28.16	-13	-15.16	100	252.2
	5799.576	H	52.8	5.6	58.4	-36.86	-13	-23.86	400	355.7
	All detected emissions are compliant with attenuated more than 20 dB below limit.									

Worst Mode	Frequency [MHz]	Ant. Pol. [H/V]	Analyzer Level [dB μ V/m]	AFCL [dB]	Field Strength [dB μ V/m]	RMS EIRP [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna Heigh [cm]	Turntable azimuth [degree]
Final Compliance LTE_B25_1C_5M_Low Channel	5798.59	V	52.4	-5.9	56.5	-38.76	-13	-25.76	112	206.6
	5796.69	H	45.2	-5.9	46.0	-49.26	-13	-36.26	381	356.2
	All detected emissions are compliant with attenuated more than 20 dB below limit.									

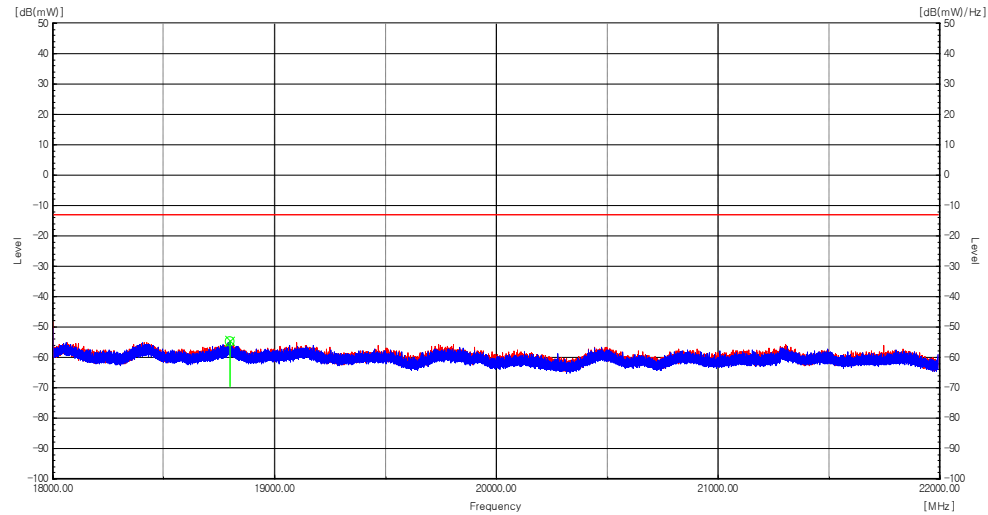
Table 8-123. Radiated spurious emission above 1GHz Worst mode Summary Data



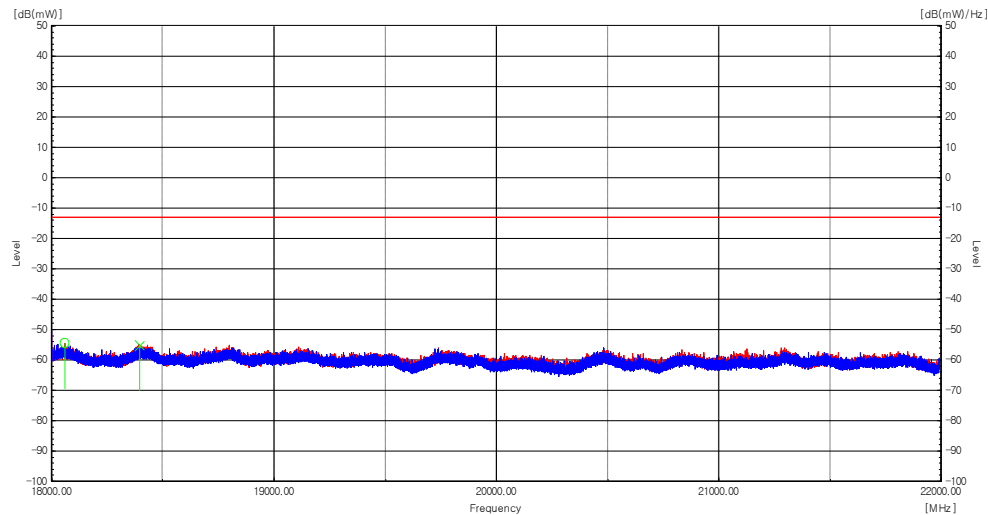
CTK Co., Ltd.

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

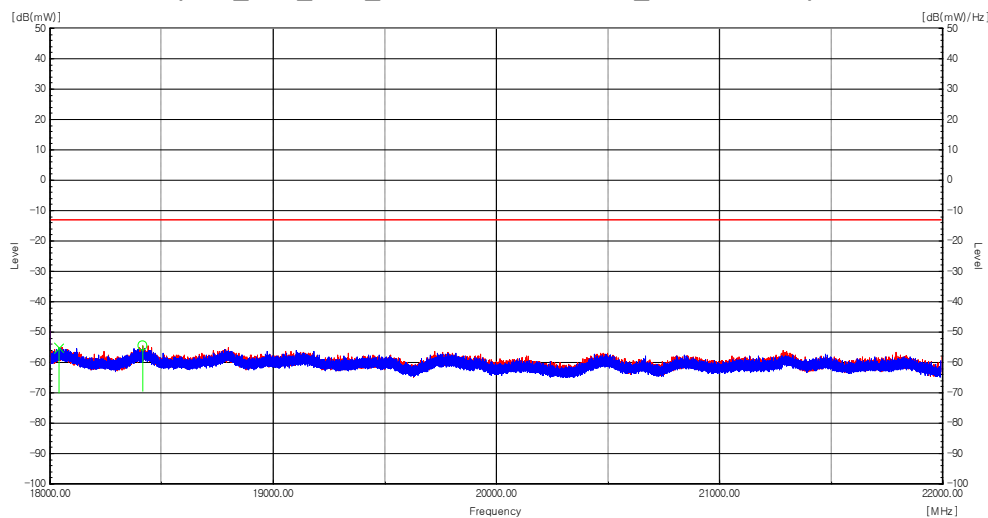
REPORT No.:
CTK-2025-03736
Page (176) / (195) pages



**Plot 8-313. Radiated spurious emission Plot_18 GHz to 22 GHz
(LTE_B25_1C_20M_Low Channel)**



**Plot 8-314. Radiated spurious emission Plot_18 GHz to 22 GHz
(LTE_B25_4NC_15M+15M+15M+15M_Mid Channel)**



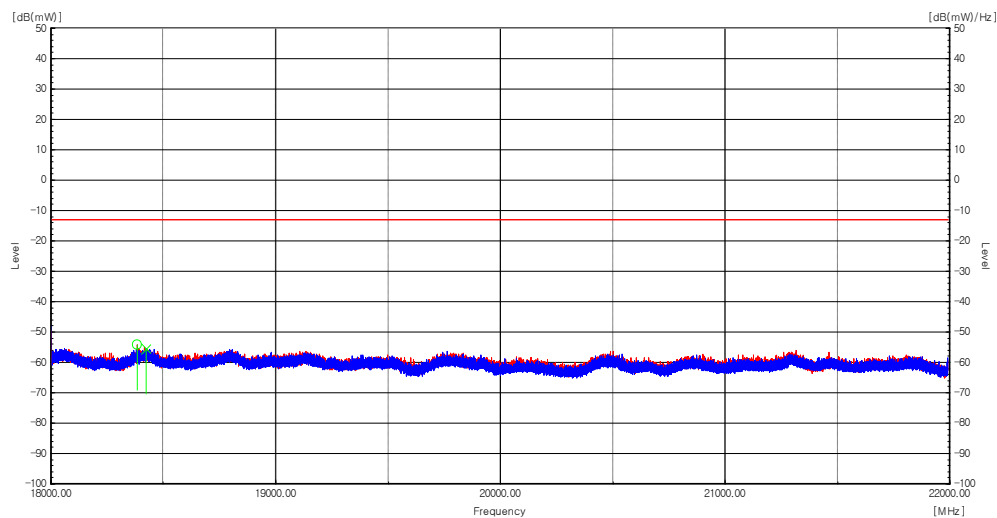
**Plot 8-315. Radiated spurious emission Plot_18 GHz to 22 GHz
(NR_n25_1C_5M_Low Channel)**



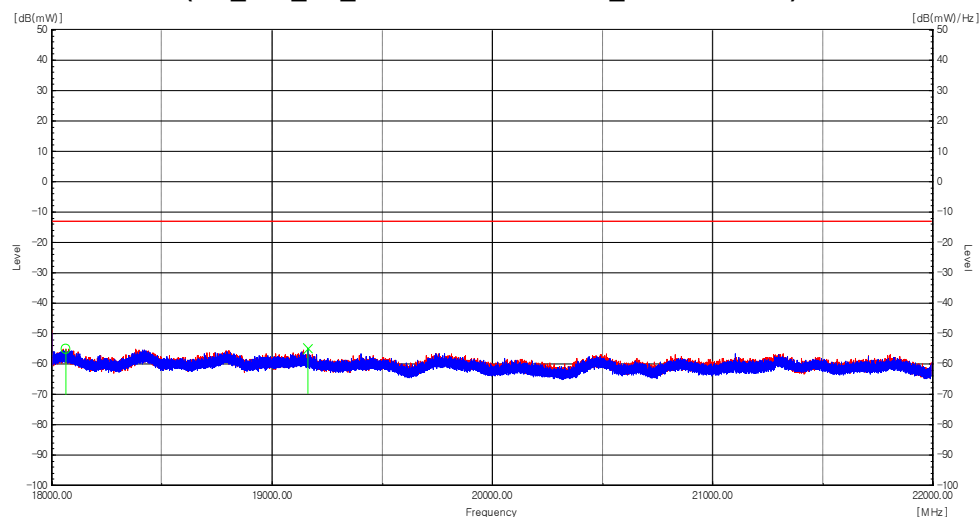
CTK Co., Ltd.

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

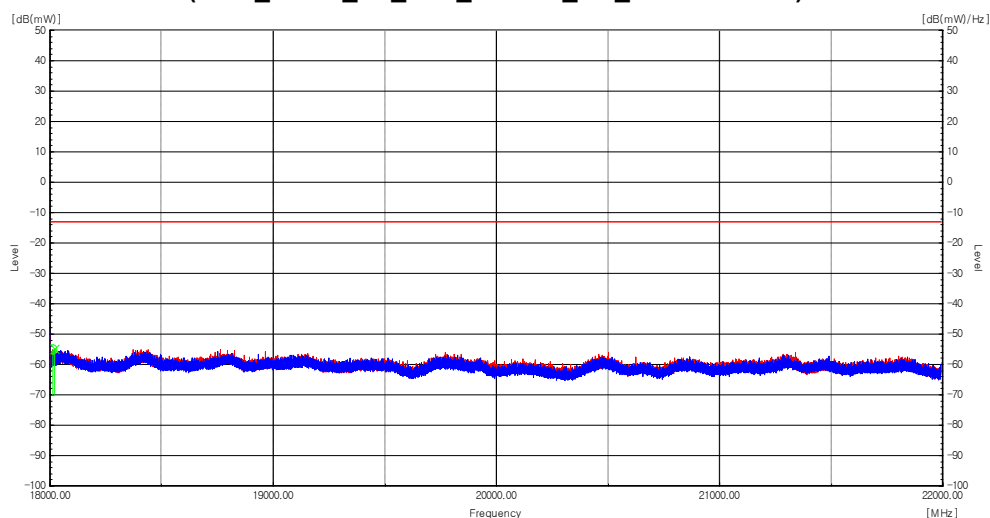
REPORT No.:
CTK-2025-03736
Page (177) / (195) pages



**Plot 8-316. Radiated spurious emission Plot_18 GHz to 22 GHz
(NR_n25_4C_15M+15M+15M+15M_Low Channel)**



**Plot 8-317. Radiated spurious emission Plot_18 GHz to 22 GHz
(MSR_B/n25_2C_LTE_5M+NR_5M_Low Channel)**



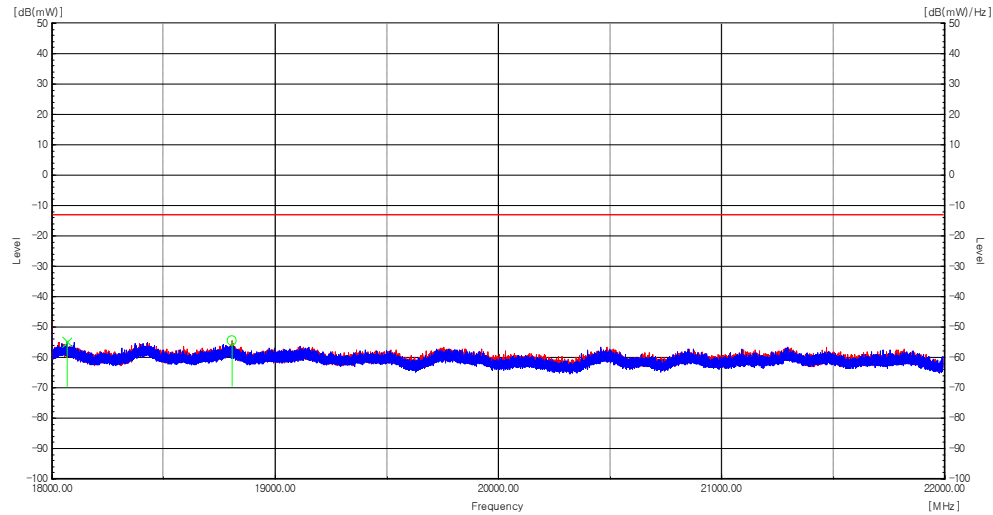
**Plot 8-318. Radiated spurious emission Plot_18 GHz to 22 GHz
(LTE_B66_1C_20M_Low Channel)**



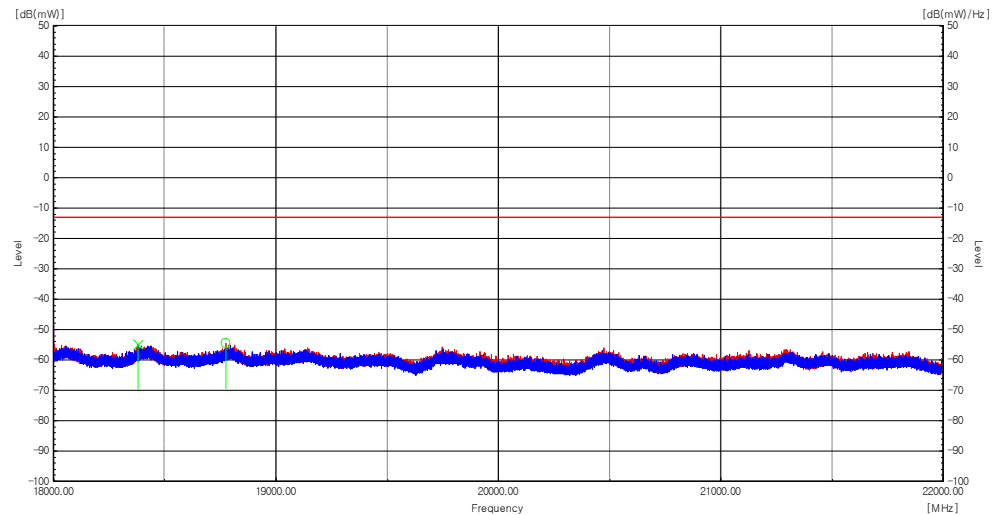
CTK Co., Ltd.

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

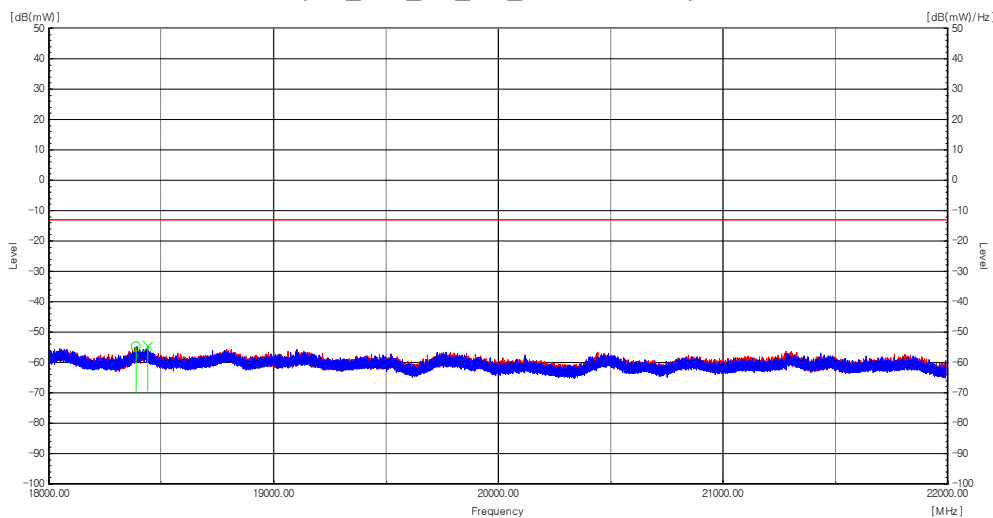
REPORT No.:
CTK-2025-03736
Page (178) / (195) pages



**Plot 8-319. Radiated spurious emission Plot_18 GHz to 22 GHz
(LTE_B66_4C_15M+15M+15M+15M_Low Channel)**



**Plot 8-320. Radiated spurious emission Plot_18 GHz to 22 GHz
(NR_n66_1C_5M_Low Channel)**



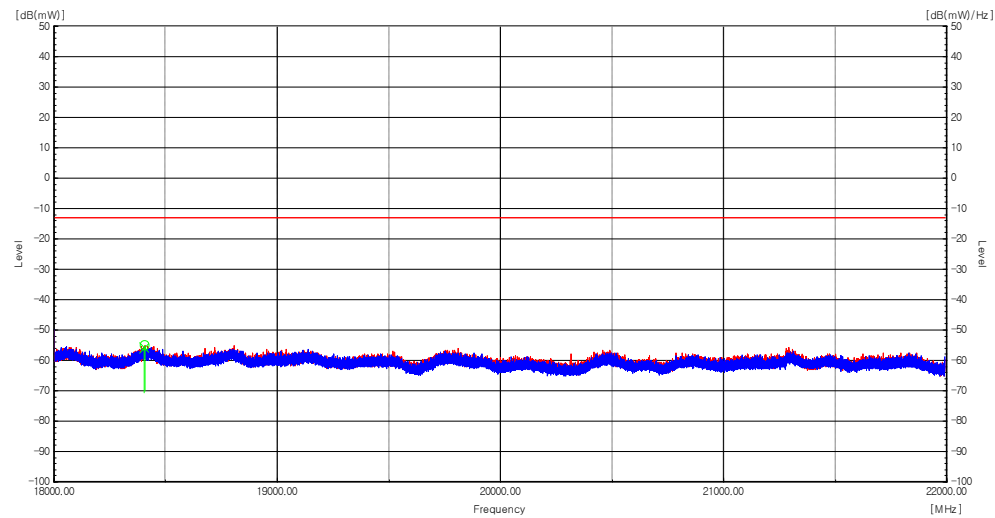
**Plot 8-321. Radiated spurious emission Plot_18 GHz to 22 GHz
(NR_n66_1C_30M_Low Channel)**



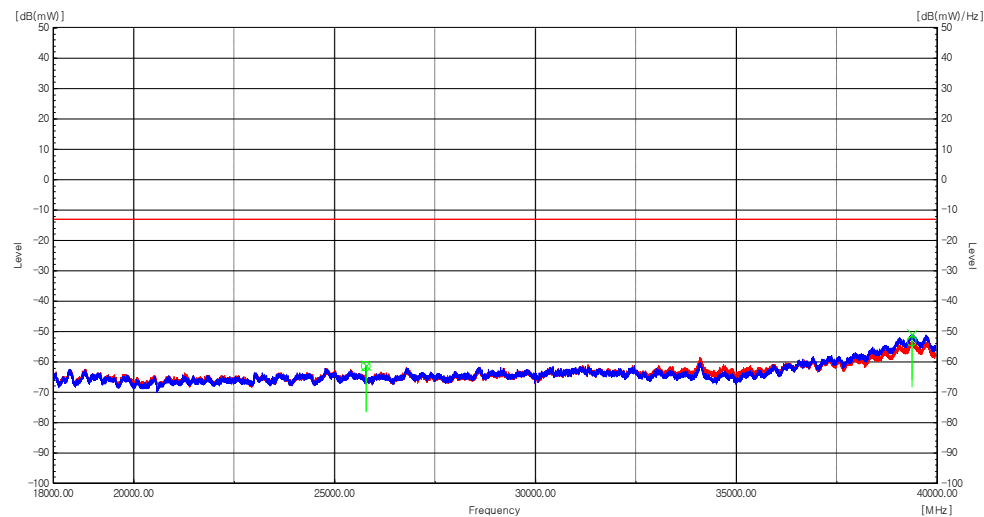
CTK Co., Ltd.

(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-2025-03736
Page (179) / (195) pages



Plot 8-322. Radiated spurious emission Plot_18 GHz to 22 GHz
(NR_n66_2NC_5M+5M_Mid Channel)



Plot 8-323. Radiated spurious emission Plot_18 GHz to 40 GHz
(NR_n77_1C_40M_Low Channel)

Worst Mode	Frequency [MHz]	Ant. Pol. [H/V]	Analyzer Level [dBm]	Path loss [dB]	RSE EIRP [dBm]	Limit [dBm/MHz]	Margin [dB]	Turntable azimuth [degree]
No Peak Found	All detected emissions are compliant with attenuated more than 20 dB below limit.							

Table 8-124. Radiated spurious emission above 18GHz Worst mode Summary Data



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-2025-03736
Page (180) / (195) pages

9.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung RRU (RA4401t) FCC ID: A3LRA4401T-77B** complies with all of the requirements of Part 24E and 27 of the FCC Rules.

10.0 APPENDIX. A

10.1 Conducted Average Output Power

Test Overview

A transmitter port of EUT is connected to the input of a signal analyzer. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Description

KDB 971168 D01 v03r01 – Section 5

KDB 662911 D01 v02r01 – Section E)1) In-Band Power Measurements

ANSI C63.26-2015 – Section 5.2.4.4.1

The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The spectrum analyzer settings were as follows:

1. Conducted power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 ~ 5% of the expected OBW
3. VBW $\geq 3 \times$ RBW
4. Span = 2 ~ 3 x OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger Settings is set to "RF Power" for signals with non-continuous operation with the sweep times set to "auto". Refer test note 3 for details.
8. Trace mode = Trace-Averaging (RMS) set to average over 100 sweeps
9. The trace was allowed to stabilize

Test Setup

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

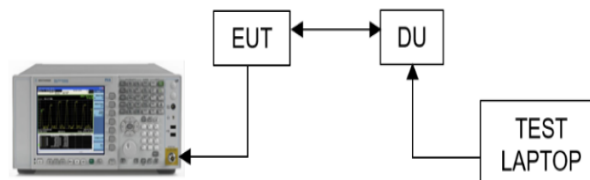


Figure 10-1. Test Instrument & Measurement Setup

Limit

N/A

**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-2025-03736
Page (182) / (195) pages

Note

1. Result for reference maximum output power of RF Exposure is under section 10.1.
2. MIMO Calculations are done considering output channel power for all ports and respective margins are calculated according to procedures in section 6.4 of ANSI C63.26 and section D of KDB 971168 D01 v03r01.
3. Consider the following factors for MIMO Power:
Conducted power for each port is measured in dBm.
Powers are summed up in linear using the measure-and-sum technique defined in KDB 971168 D01 v03r01- Section D.
Conducted power per port (dBm) is converted to a linear value (mW). A summation of linear powers for all ports gives us the total MIMO conducted power in milliWatts (mW).
4. Sample Calculation for LTE_B25_1C_5M_QPSK - Low Channel
Let us assume the following numbers:
 - a) Total MIMO Conducted Power as 249.19 mW

Factors		Value	Unit
Summed MIMO Conducted Power (linear sum)		249.19	mW
Summed MIMO Conducted Power (dBm)	$= 10 * \log (249.19)$	23.97	dBm

**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-2025-03736
Page (183) / (195) pages

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	2	20.98	20.97	20.98	20.97
	3	20.93	20.96	20.95	20.95
Total Conducted Power (mW)		249.19	249.76	249.77	249.48
Total Conducted Power (dBm)		23.97	23.98	23.98	23.97
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	2	21.39	21.42	21.41	21.46
	3	21.23	21.30	21.24	21.36
Total Conducted Power (mW)		270.46	273.57	271.40	276.73
Total Conducted Power (dBm)		24.32	24.37	24.34	24.42
Channel	Port	QPSK	16QAM	64QAM	256QAM
High	2	21.18	21.11	21.08	21.04
	3	21.00	21.02	21.04	21.02
Total Conducted Power (mW)		257.11	255.60	255.29	253.53
Total Conducted Power (dBm)		24.10	24.08	24.07	24.04

Table 10-1. Conducted Average Output Power Table (LTE_B25_1C_5M)

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	2	23.25	23.24	23.26	23.28
	3	22.76	22.74	22.76	22.77
Total Conducted Power (mW)		400.15	398.79	400.64	402.05
Total Conducted Power (dBm)		26.02	26.01	26.03	26.04
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	2	23.67	23.74	23.66	23.72
	3	23.06	23.08	23.00	23.02
Total Conducted Power (mW)		435.11	439.83	431.80	435.95
Total Conducted Power (dBm)		26.39	26.43	26.35	26.39
Channel	Port	QPSK	16QAM	64QAM	256QAM
High	2	23.23	23.24	23.22	23.13
	3	22.79	22.79	22.78	22.68
Total Conducted Power (mW)		400.49	400.97	399.56	390.94
Total Conducted Power (dBm)		26.03	26.03	26.02	25.92

Table 10-2. Conducted Average Output Power Table (LTE_B25_1C_10M)

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	2	23.34	23.32	23.30	23.31
	3	22.78	22.74	22.73	22.76
Total Conducted Power (mW)		405.45	402.71	401.30	403.09
Total Conducted Power (dBm)		26.08	26.05	26.03	26.05
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	2	23.71	23.69	23.71	23.70
	3	23.08	23.11	23.10	23.03
Total Conducted Power (mW)		438.20	438.53	439.14	435.33
Total Conducted Power (dBm)		26.42	26.42	26.43	26.39
Channel	Port	QPSK	16QAM	64QAM	256QAM
High	2	23.29	23.24	23.28	23.26
	3	22.77	22.74	22.77	22.77
Total Conducted Power (mW)		402.54	398.79	402.05	401.07
Total Conducted Power (dBm)		26.05	26.01	26.04	26.03

Table 10-3. Conducted Average Output Power Table (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-2025-03736
Page (184) / (195) pages

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	2	23.32	23.39	23.45	23.44
	3	22.78	22.84	22.89	22.89
Total Conducted Power (mW)		404.45	410.58	415.85	415.34
Total Conducted Power (dBm)		26.07	26.13	26.19	26.18
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	2	23.67	23.61	23.68	23.65
	3	23.09	23.05	23.09	23.10
Total Conducted Power (mW)		436.51	431.45	437.05	435.91
Total Conducted Power (dBm)		26.40	26.35	26.41	26.39
Channel	Port	QPSK	16QAM	64QAM	256QAM
High	2	23.27	23.27	23.32	23.35
	3	22.82	22.86	22.90	22.92
Total Conducted Power (mW)		403.75	405.52	409.77	412.16
Total Conducted Power (dBm)		26.06	26.08	26.13	26.15

Table 10-4. Conducted Average Output Power Table (LTE_B25_1C_20M)

Channel	Port	LTE_B25_2C_5M+5M		LTE_B25_4C_15M+15M+15M+15M	
		QPSK	16QAM	QPSK	16QAM
Low	0	22.47	22.44	22.44	22.45
	1	22.34	22.35	22.45	22.44
Total Conducted Power (mW)		348.00	347.18	351.18	351.18
Total Conducted Power (dBm)		25.42	25.41	25.46	25.46
Channel	Port	QPSK	16QAM	QPSK	16QAM
Mid	0	22.47	22.35	22.32	22.33
	1	22.47	22.34	22.29	22.31
Total Conducted Power (mW)		353.21	343.19	340.04	341.22
Total Conducted Power (dBm)		25.48	25.36	25.32	25.33
Channel	Port	QPSK	16QAM	QPSK	16QAM
High	0	22.70	22.69	22.29	22.30
	1	22.63	22.68	22.38	22.36
Total Conducted Power (mW)		369.44	371.13	342.42	342.01
Total Conducted Power (dBm)		25.68	25.70	25.35	25.34

Table 10-5. Conducted Average Output Power Table (LTE_B25_Multi carrier)

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	20.97	20.95	21.03	21.07
	1	20.91	20.93	20.91	20.92
Total Conducted Power (mW)		248.34	248.33	250.08	251.53
Total Conducted Power (dBm)		23.95	23.95	23.98	24.01
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	0	21.39	21.47	21.46	21.49
	1	21.30	21.37	21.36	21.38
Total Conducted Power (mW)		272.62	277.37	276.73	278.33
Total Conducted Power (dBm)		24.36	24.43	24.42	24.45
Channel	Port	QPSK	16QAM	QPSK	16QAM
High	0	20.94	21.01	21.00	20.94
	1	20.96	21.02	21.02	20.97
Total Conducted Power (mW)		248.90	252.66	252.37	249.19
Total Conducted Power (dBm)		23.96	24.03	24.02	23.97

Table 10-6. Conducted Average Output Power Table (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-2025-03736
Page (185) / (195) pages

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	23.16	23.11	23.12	23.10
	1	23.03	22.98	23.03	23.00
Total Conducted Power (mW)		407.92	403.25	406.03	403.70
Total Conducted Power (dBm)		26.11	26.06	26.09	26.06
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	0	23.43	23.39	23.36	23.37
	1	23.23	23.20	23.23	23.25
Total Conducted Power (mW)		430.67	427.20	427.15	428.62
Total Conducted Power (dBm)		26.34	26.31	26.31	26.32
Channel	Port	QPSK	16QAM	QPSK	16QAM
High	0	23.08	23.03	23.07	23.03
	1	23.01	22.97	23.02	23.03
Total Conducted Power (mW)		403.22	399.06	403.22	401.82
Total Conducted Power (dBm)		26.06	26.01	26.06	26.04

Table 10-7. Conducted Average Output Power Table (NR_n25_1C_10M)

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	23.09	23.07	23.13	23.17
	1	23.08	23.08	23.12	23.12
Total Conducted Power (mW)		406.94	406.00	410.71	412.61
Total Conducted Power (dBm)		26.10	26.09	26.14	26.16
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	0	23.42	23.41	23.35	23.45
	1	23.29	23.31	23.25	23.34
Total Conducted Power (mW)		433.09	433.57	427.62	437.08
Total Conducted Power (dBm)		26.37	26.37	26.31	26.41
Channel	Port	QPSK	16QAM	QPSK	16QAM
High	0	23.06	23.01	23.04	23.06
	1	23.08	23.06	23.01	23.03
Total Conducted Power (mW)		405.54	402.29	401.36	403.21
Total Conducted Power (dBm)		26.08	26.05	26.04	26.06

Table 10-8. Conducted Average Output Power Table (NR_n25_1C_15M)

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	23.26	23.25	23.24	23.21
	1	23.16	23.14	23.16	23.17
Total Conducted Power (mW)		418.85	417.41	417.88	416.90
Total Conducted Power (dBm)		26.22	26.21	26.21	26.20
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	0	23.37	23.39	23.36	23.42
	1	23.34	23.30	23.29	23.32
Total Conducted Power (mW)		433.04	432.07	430.07	434.57
Total Conducted Power (dBm)		26.37	26.36	26.34	26.38
Channel	Port	QPSK	16QAM	QPSK	16QAM
High	0	23.06	23.06	23.05	23.13
	1	23.05	23.07	23.07	23.13
Total Conducted Power (mW)		404.14	405.07	404.60	411.18
Total Conducted Power (dBm)		26.07	26.08	26.07	26.14

Table 10-9. Conducted Average Output Power Table (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-2025-03736
Page (186) / (195) pages

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	23.25	23.30	23.34	23.37
	1	23.22	23.27	23.33	23.35
Total Conducted Power (mW)		421.24	426.12	431.05	433.54
Total Conducted Power (dBm)		26.25	26.30	26.35	26.37
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	0	23.41	23.39	23.41	23.36
	1	23.32	23.31	23.20	23.28
Total Conducted Power (mW)		434.06	432.56	428.21	429.58
Total Conducted Power (dBm)		26.38	26.36	26.32	26.33
Channel	Port	QPSK	16QAM	QPSK	16QAM
High	0	23.14	23.11	23.13	23.11
	1	23.10	23.09	23.12	23.10
Total Conducted Power (mW)		410.24	408.35	410.71	408.82
Total Conducted Power (dBm)		26.13	26.11	26.14	26.12

Table 10-10. Conducted Average Output Power Table (NR_n25_1C_25M)

Channel	Port	NR_n25_2C_5M+5M		NR_n25_4C_15M+15M+15M+15M	
		QPSK	16QAM	QPSK	16QAM
Low	0	23.13	23.14	22.38	22.45
	1	22.68	22.75	22.40	22.49
Total Conducted Power (mW)		390.94	394.43	346.76	353.21
Total Conducted Power (dBm)		25.92	25.96	25.40	25.48
Channel	Port	QPSK	16QAM	QPSK	16QAM
Mid	0	23.44	23.43	22.30	22.20
	1	23.09	23.12	22.30	22.22
Total Conducted Power (mW)		424.50	425.41	339.65	332.68
Total Conducted Power (dBm)		26.28	26.29	25.31	25.22
Channel	Port	QPSK	16QAM	QPSK	16QAM
High	0	23.20	23.37	22.18	22.22
	1	22.93	23.03	22.19	22.21
Total Conducted Power (mW)		405.27	418.18	330.77	333.07
Total Conducted Power (dBm)		26.08	26.21	25.20	25.23

Table 10-11. Conducted Average Output Power Table (NR_n25_Multi carrier)

Channel	Port	MSR_B/n25_2C_LTE_5M+NR_5M		MSR_B/n25_4C_LTE_15M+15M+NR_15M+15M	
		QPSK	16QAM	QPSK	16QAM
Low	0	22.61	22.59	23.91	23.88
	1	22.58	22.58	23.55	23.53
Total Conducted Power (mW)		363.52	362.69	472.50	469.77
Total Conducted Power (dBm)		25.61	25.60	26.74	26.72
Channel	Port	QPSK	16QAM	QPSK	16QAM
Mid	0	22.82	22.82	23.91	23.90
	1	22.81	22.85	23.55	23.54
Total Conducted Power (mW)		382.41	384.18	472.50	471.41
Total Conducted Power (dBm)		25.83	25.85	26.74	26.73
Channel	Port	QPSK	16QAM	QPSK	16QAM
High	0	22.70	22.62	23.93	23.85
	1	22.74	22.63	23.54	23.52
Total Conducted Power (mW)		374.14	366.04	473.12	467.57
Total Conducted Power (dBm)		25.73	25.64	26.75	26.70

Table 10-12. Conducted Average Output Power Table (MSR_B/n25_Multi carrier)

**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-2025-03736
Page (187) / (195) pages

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	21.02	21.10	21.07	21.03
	1	21.18	21.22	21.24	21.20
Total Conducted Power (mW)		257.69	261.26	260.98	258.59
Total Conducted Power (dBm)		24.11	24.17	24.17	24.13
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	0	21.38	21.42	21.40	21.42
	1	21.56	21.52	21.53	21.52
Total Conducted Power (mW)		280.62	280.58	280.27	280.58
Total Conducted Power (dBm)		24.48	24.48	24.48	24.48
Channel	Port	QPSK	16QAM	64QAM	256QAM
High	0	21.21	21.25	21.21	21.22
	1	21.39	21.40	21.40	21.36
Total Conducted Power (mW)		269.85	271.39	270.17	269.21
Total Conducted Power (dBm)		24.31	24.34	24.32	24.30

Table 10-13. Conducted Average Output Power Table (LTE_B66_1C_5M)

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	23.01	23.03	23.02	23.01
	1	23.21	23.22	23.22	23.22
Total Conducted Power (mW)		409.40	410.80	410.34	409.88
Total Conducted Power (dBm)		26.12	26.14	26.13	26.13
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	0	23.39	23.41	23.42	23.37
	1	23.52	23.55	23.54	23.51
Total Conducted Power (mW)		443.18	445.74	445.73	441.66
Total Conducted Power (dBm)		26.47	26.49	26.49	26.45
Channel	Port	QPSK	16QAM	64QAM	256QAM
High	0	23.25	23.24	23.23	23.29
	1	23.49	23.45	23.39	23.45
Total Conducted Power (mW)		434.71	432.17	428.65	434.61
Total Conducted Power (dBm)		26.38	26.36	26.32	26.38

Table 10-14. Conducted Average Output Power Table (LTE_B66_1C_10M)

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	23.01	23.14	23.04	22.95
	1	23.22	23.32	23.22	23.11
Total Conducted Power (mW)		409.88	420.85	411.27	401.89
Total Conducted Power (dBm)		26.13	26.24	26.14	26.04
Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	0	23.39	23.37	23.42	23.30
	1	23.51	23.48	23.55	23.44
Total Conducted Power (mW)		442.66	440.11	446.25	434.60
Total Conducted Power (dBm)		26.46	26.44	26.50	26.38
Channel	Port	QPSK	16QAM	64QAM	256QAM
High	0	23.18	23.20	23.23	23.16
	1	23.48	23.48	23.51	23.42
Total Conducted Power (mW)		430.81	431.77	434.77	426.80
Total Conducted Power (dBm)		26.34	26.35	26.38	26.30

Table 10-15. Conducted Average Output Power Table (LTE_B66_1C_15M)