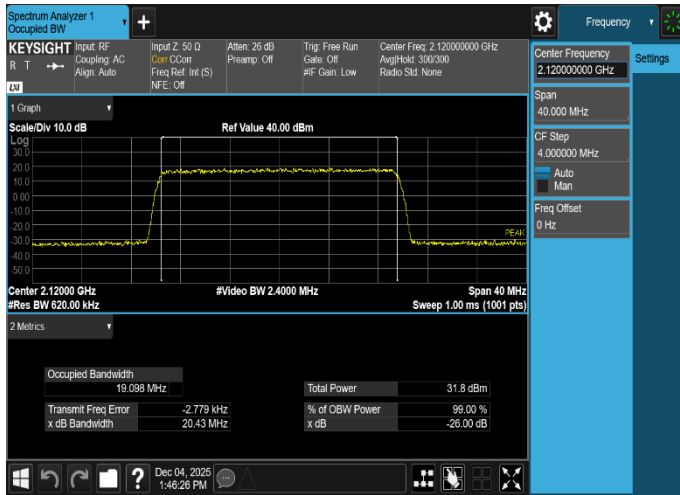




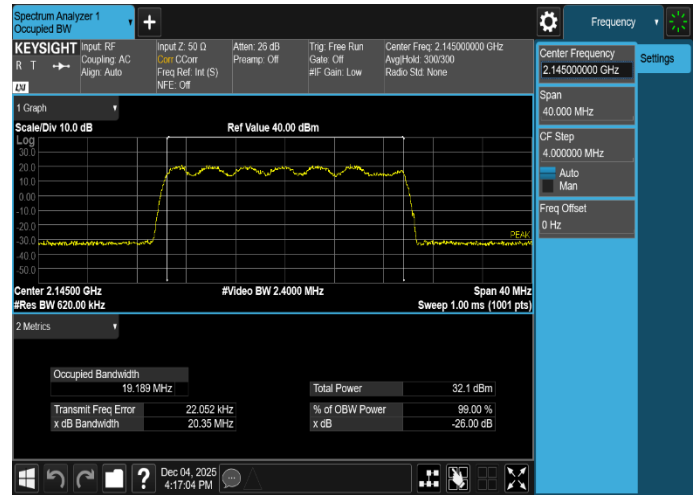
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(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

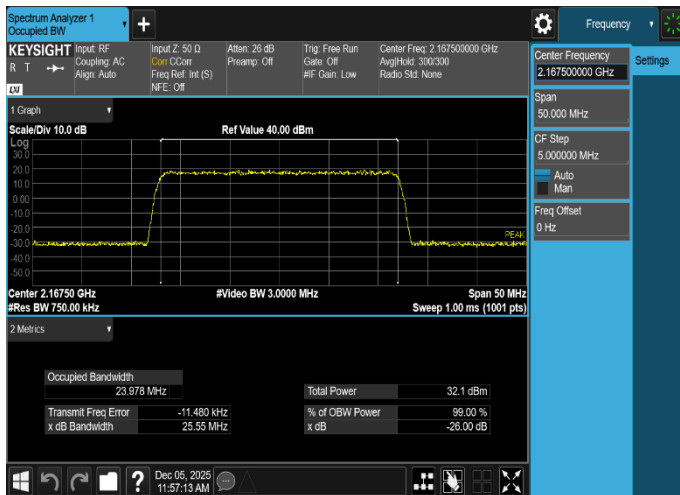
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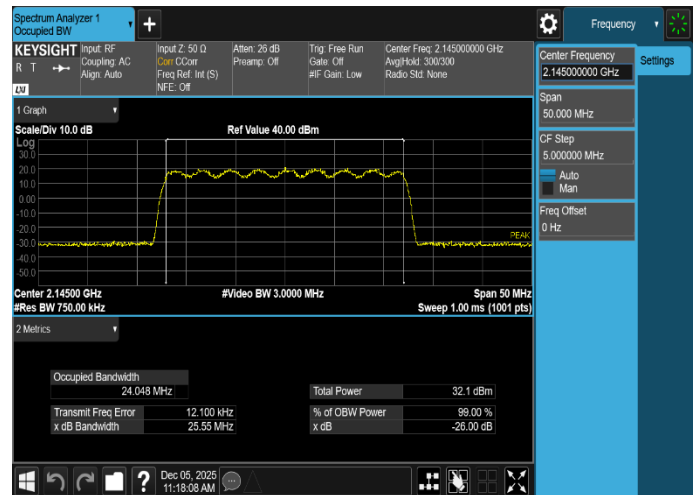
Plot 8-49. Occupied Bandwidth Plot
(NR_n66_1C_20M_QPSK - Low Channel, Port 1)



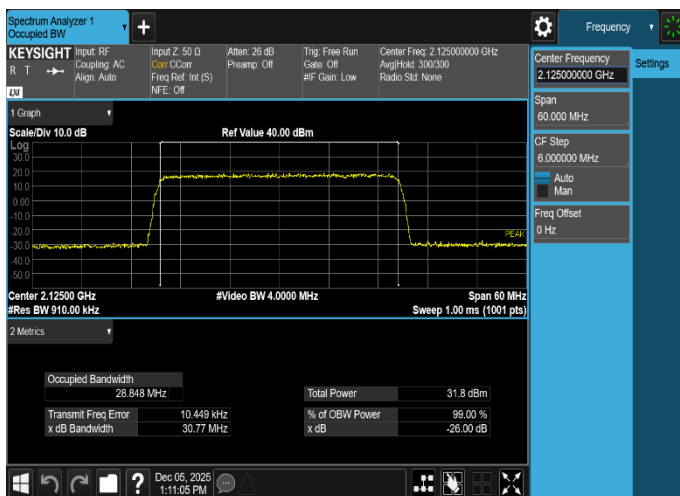
Plot 8-50. Occupied Bandwidth Plot
(NR_n66_1C_20M_16QAM - Mid Channel, Port 1)



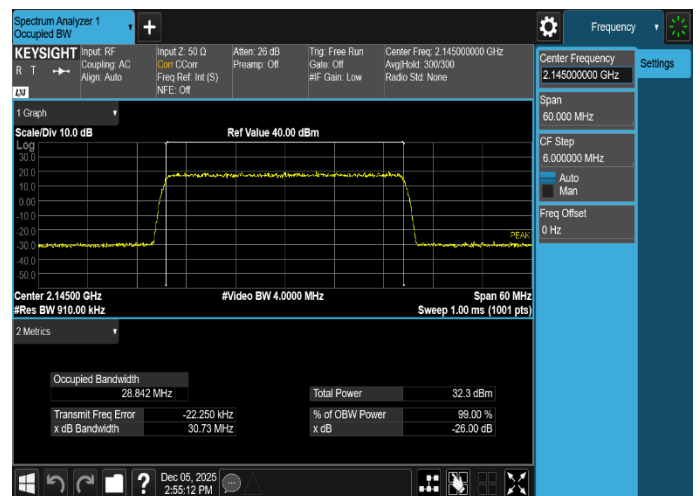
Plot 8-51. Occupied Bandwidth Plot
(NR_n66_1C_25M_QPSK - High Channel, Port 1)



Plot 8-52. Occupied Bandwidth Plot
(NR_n66_1C_25M_16QAM - Mid Channel, Port 1)



Plot 8-53. Occupied Bandwidth Plot
(NR_n66_1C_30M_QPSK - Low Channel, Port 0)



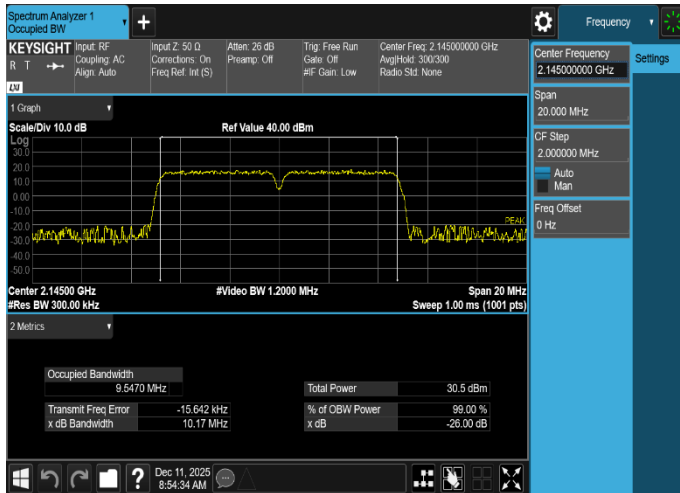
Plot 8-54. Occupied Bandwidth Plot
(NR_n66_1C_30M_256QAM - Mid Channel, Port 1)



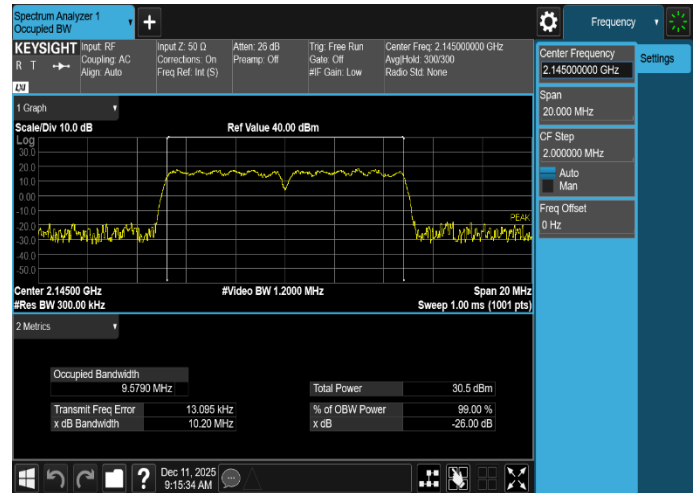
CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
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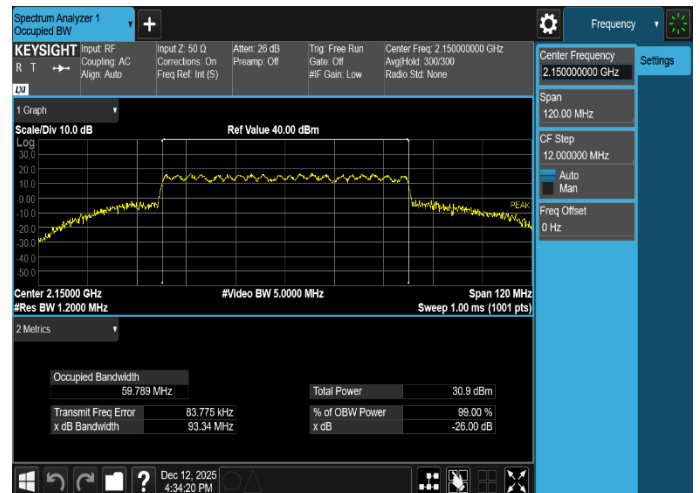
Plot 8-55. Occupied Bandwidth Plot
(NR_n66_2C_5M+5M_QPSK - Mid Channel, Port 0)



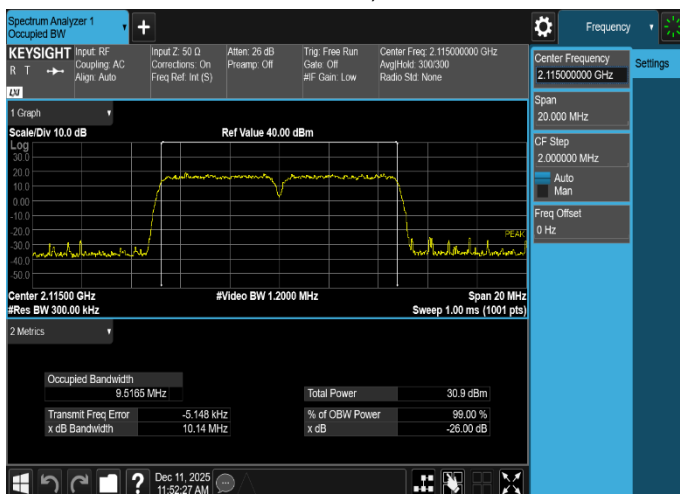
Plot 8-56. Occupied Bandwidth Plot
(NR_n66_2C_5M+5M_16QAM - Mid Channel, Port 1)



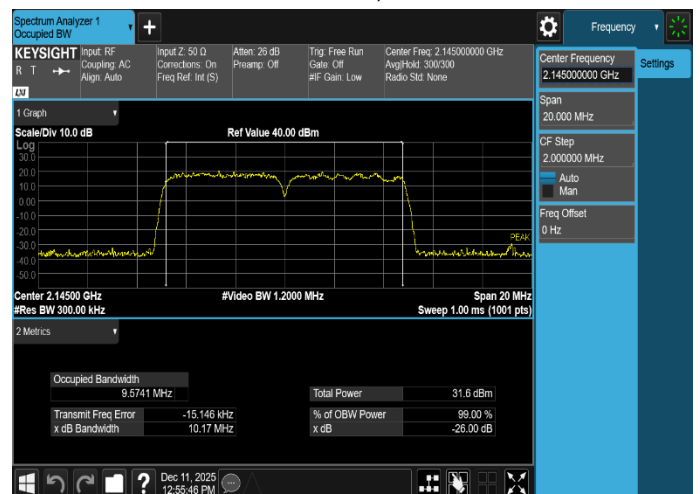
Plot 8-57. Occupied Bandwidth Plot
(NR_n66_4C_15M+15M+15M_QPSK - Mid Channel, Port 1)



Plot 8-58. Occupied Bandwidth Plot
(NR_n66_4C_15M+15M+15M_16QAM - High Channel, Port 0)



Plot 8-59. Occupied Bandwidth Plot
(MSR_B/n66_2C_LTE 5M+NR 5M_QPSK - Low Channel, Port 0)



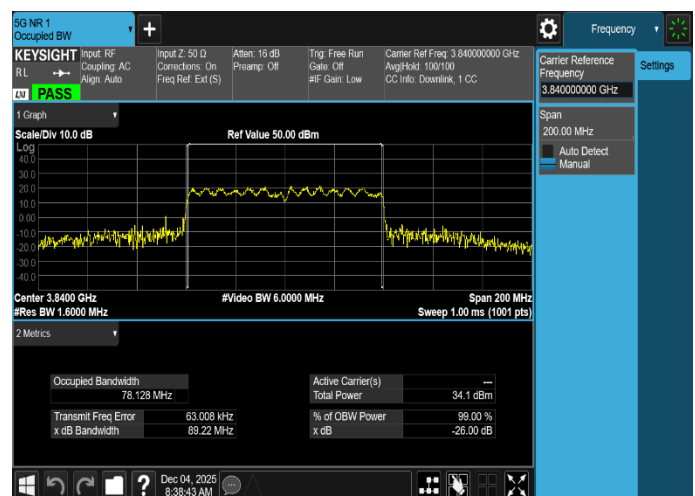
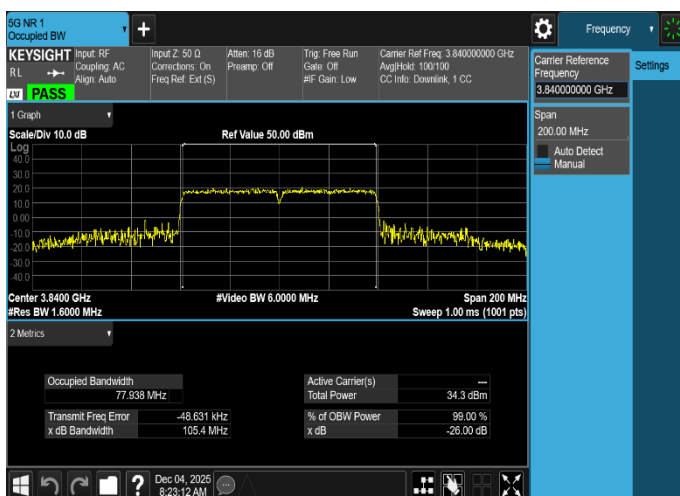
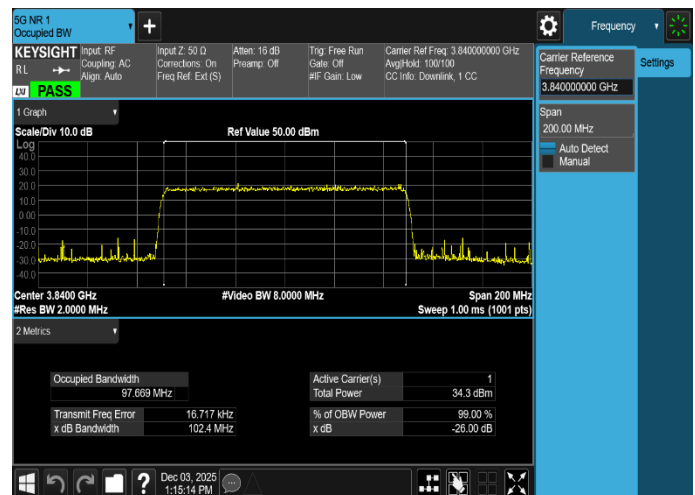
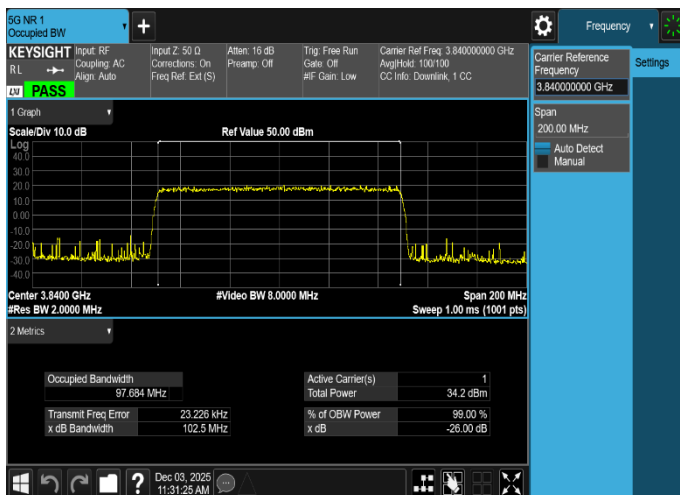
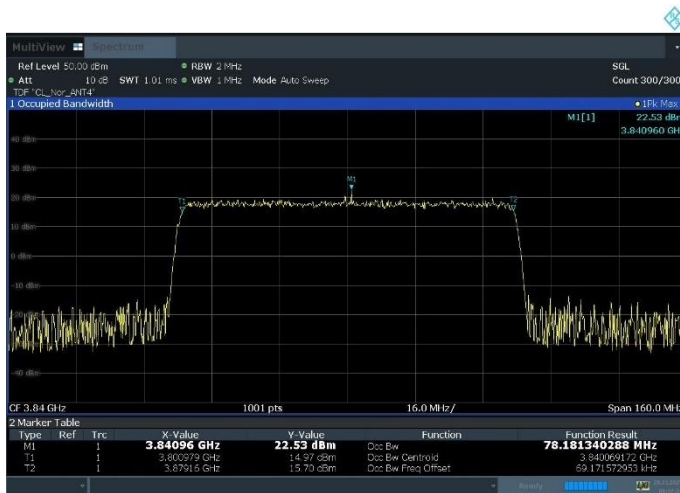
Plot 8-60. Occupied Bandwidth Plot
(MSR_B/n66_2C_LTE 5M+NR 5M_16QAM - Mid Channel, Port 0)



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

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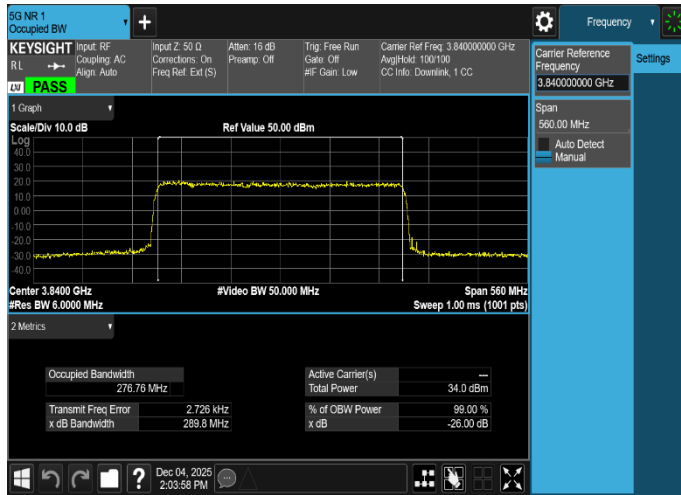




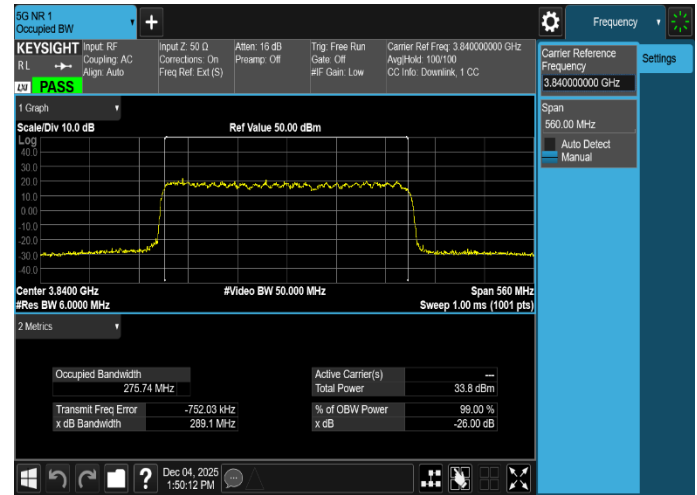
CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do,
17142, Korea
Tel: +82-31-339-9970
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Plot 8-73. Occupied Bandwidth Plot
(NR_n77_4C_40M+60M+80M+100M_QPSK - Mid Channel, Port 6)



Plot 8-74. Occupied Bandwidth Plot
(NR_n77_4C_40M+60M+80M+100M_16QAM - Mid Channel, Port 5)

8.3 Equivalent Isotropically Radiated 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, 5.2.4.5

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 "SA" measurement capability for signals with continuous operation.
2. Set span to $2 \times$ to $3 \times$ the OBW.
3. Set RBW = 1 MHz (the reference bandwidth)
4. Set VBW $\geq 3 \times$ RBW.
5. Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
6. Sweep time:
 - a) Set $\geq$ auto-couple, and enable trace averaging, or
 - b) Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ and enable a single sweep (automation-compatible) measurement. The sweep time should never be faster than the auto-coupled sweep time.
7. Detector = power averaging (rms).
8. The trace was allowed to stabilize
9. Use the peak marker function to determine the maximum amplitude level. ($=P_{\text{Meas}}$)
10. The relevant equation for determining the maximum EIRP from the measured RF output power is given in Equation as follows:

$$\text{EIRP} = P_{\text{Meas}} + G_T$$
 where
 GT: gain of the transmitting antenna, in dBi (EIRP).

Test Setup

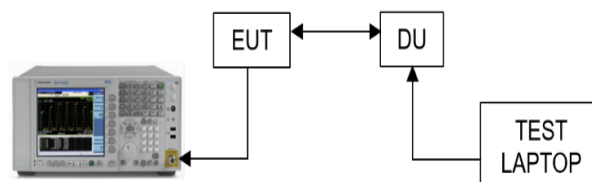


Figure 8-2. Test Instrument & Measurement Setup

**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

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Limit**§ 24.232(a) (2)**

Base stations with an emission bandwidth greater than 1 MHz are limited to 1640 watts/MHz equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT, except as described in paragraph (b) below.

§ 27.50(d) (2) (ii)

An EIRP of 1640 watts/MHz when transmitting with an emission bandwidth greater than 1 MHz.

§ 27.50(j) (2)

The power of each fixed or base station transmitting in the 3700-3980 MHz band and situated in any geographic location other than that described in paragraph (j)(1) of this section is limited to an EIRP of 1640 Watts/MHz. This limit applies to the aggregate power of all antenna elements in any given sector of a base station.

Test Notes

1. For test results, an estimated calculated maximum permissible conducted output power is reported. The required reduction measurements will be performed after the installation.
2. Consider the following factors for MIMO:
The output power per each port is measured as dBm/MHz or dBm, the output powers are summed up in linear using the measure-and-sum technique defined in KDB 971168 D01 v03r01 - Section E) 2).
3. The output power per port (dBm/MHz or dBm) is converted to a linear value (mW). A summation of linear powers for all ports gives us the total MIMO Conducted Power (mW). We convert this back to logarithmic scale for further output power calculations.
4. All antennas have the same gain, G_{ANT}
Directional gain = $G_{ANT} + 10 \log(N_{ANT}/N_{SS})$ dBi, where N_{SS} = the number of independent spatial streams of data and G_{ANT} is the antenna gain in dBi.
5. Applied antenna gain as below:

Band	Gain (dBi)	N_{ANT}	Directional gain (dBi)
Band 25	5.5	2	8.51
Band 66	6.5	2	9.51
Band 77	6.5	4	12.52

6. Sample Calculation for LTE_B25_1C_5M_QPSK - Low Channel:
Let us assume the following numbers:
 - a) Total MIMO Conducted Power as 67.71 milliWatts
 - b)

Factors	Value	Unit
Summed MIMO Conducted Power (linear sum)	67.71	mW
Summed MIMO Conducted Power (dBm) = $10 * \log(67.71) =$	18.31	dBm

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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	15.28	15.55	15.32	15.26
	3	15.31	15.54	15.11	15.18
Total MIMO PSD (mW/MHz)		67.71	71.68	66.51	66.55
Total MIMO PSD (dBm/MHz)		18.31	18.55	18.23	18.23
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		26.82	27.06	26.74	26.74
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	15.45	15.76	15.40	15.51
	3	15.30	15.66	15.30	15.48
Total MIMO PSD (mW/MHz)		68.99	74.48	68.57	70.91
Total MIMO PSD (dBm/MHz)		18.39	18.72	18.36	18.51
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		26.90	27.23	26.87	27.02
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	15.08	15.45	15.10	15.15
	3	15.18	15.41	15.07	15.08
Total MIMO PSD (mW/MHz)		65.14	69.84	64.44	64.96
Total MIMO PSD (dBm/MHz)		18.14	18.44	18.09	18.13
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		26.65	26.95	26.60	26.64
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-32. Equivalent Isotropically Radiated Power Table (LTE_B25_1C_5M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	14.59	14.93	14.60	14.60
	3	14.10	14.37	14.18	14.26
Total MIMO PSD (mW/MHz)		54.46	58.46	55.00	55.47
Total MIMO PSD (dBm/MHz)		17.36	17.67	17.40	17.44
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.87	26.18	25.91	25.95
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	14.80	15.10	14.79	14.72
	3	14.04	14.54	14.18	14.15
Total MIMO PSD (mW/MHz)		55.54	60.81	56.29	55.67
Total MIMO PSD (dBm/MHz)		17.45	17.84	17.50	17.46
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.96	26.35	26.01	25.97
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	14.25	14.60	14.43	14.15
	3	13.87	14.22	13.94	13.73
Total MIMO PSD (mW/MHz)		50.96	55.22	52.49	49.63
Total MIMO PSD (dBm/MHz)		17.07	17.42	17.20	16.96
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.58	25.93	25.71	25.47
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-33. Equivalent Isotropically Radiated Power Table (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
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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	12.97	13.57	12.89	12.99
	3	12.57	12.88	12.56	12.51
Total MIMO PSD (mW/MHz)		37.87	42.15	37.44	37.73
Total MIMO PSD (dBm/MHz)		15.78	16.25	15.73	15.77
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		24.29	24.76	24.24	24.28
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	13.01	13.80	12.99	13.08
	3	12.47	13.21	12.43	12.39
Total MIMO PSD (mW/MHz)		37.68	44.92	37.39	37.62
Total MIMO PSD (dBm/MHz)		15.76	16.52	15.73	15.75
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		24.27	25.03	24.24	24.26
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	12.61	13.48	12.59	12.67
	3	12.03	12.89	12.20	12.10
Total MIMO PSD (mW/MHz)		34.19	41.72	34.72	34.68
Total MIMO PSD (dBm/MHz)		15.34	16.20	15.41	15.40
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		23.85	24.71	23.92	23.91
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-34. Equivalent Isotropically Radiated Power Table (LTE_B25_1C_15M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	11.79	12.03	11.85	11.94
	3	11.38	11.49	11.47	11.50
Total MIMO PSD (mW/MHz)		28.84	30.05	29.33	29.75
Total MIMO PSD (dBm/MHz)		14.60	14.78	14.67	14.73
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		23.11	23.29	23.18	23.24
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	11.87	12.09	11.78	11.73
	3	11.16	11.55	11.16	11.14
Total MIMO PSD (mW/MHz)		28.41	30.46	28.13	27.89
Total MIMO PSD (dBm/MHz)		14.54	14.84	14.49	14.45
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		23.05	23.35	23.00	22.96
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	11.43	11.68	11.45	11.47
	3	10.91	11.35	10.99	11.07
Total MIMO PSD (mW/MHz)		26.24	28.34	26.53	26.79
Total MIMO PSD (dBm/MHz)		14.19	14.52	14.24	14.28
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		22.70	23.03	22.75	22.79
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-35. Equivalent Isotropically Radiated Power Table (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

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Low Channel	Port	LTE_n25_2C_5M+5M		LTE_n25_4C_15M+15M+15M+15M	
		QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	2	13.53	13.96	6.28	6.58
	3	13.48	13.74	6.25	6.48
Total MIMO PSD (mW/MHz)		44.81	48.56	8.46	8.99
Total MIMO PSD (dBm/MHz)		16.51	16.86	9.27	9.54
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.02	25.37	17.78	18.05
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	2	13.50	13.78	5.78	6.54
	3	13.50	13.71	5.63	6.48
Total MIMO PSD (mW/MHz)		44.76	47.34	7.45	8.95
Total MIMO PSD (dBm/MHz)		16.51	16.75	8.72	9.52
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.02	25.26	17.23	18.03
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	2	13.68	14.09	5.77	6.45
	3	13.71	14.08	5.76	6.53
Total MIMO PSD (mW/MHz)		46.83	51.20	7.54	8.91
Total MIMO PSD (dBm/MHz)		16.70	17.09	8.77	9.50
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.21	25.60	17.28	18.01
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-36. Equivalent Isotropically Radiated Power Table (LTE_B25_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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	15.15	15.23	15.25	15.36
	3	15.12	15.32	15.15	15.11
Total MIMO PSD (mW/MHz)		65.23	67.38	66.23	66.81
Total MIMO PSD (dBm/MHz)		18.14	18.29	18.21	18.25
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		26.65	26.80	26.72	26.76
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	15.46	15.66	15.56	15.67
	3	15.34	15.62	15.49	15.49
Total MIMO PSD (mW/MHz)		69.35	73.29	71.36	72.31
Total MIMO PSD (dBm/MHz)		18.41	18.65	18.53	18.59
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		26.92	27.16	27.04	27.10
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	15.21	15.23	15.13	15.11
	3	15.11	15.36	15.23	15.12
Total MIMO PSD (mW/MHz)		65.60	67.71	65.93	64.97
Total MIMO PSD (dBm/MHz)		18.17	18.31	18.19	18.13
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		26.68	26.82	26.70	26.64
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-37. Equivalent Isotropically Radiated Power Table (NR_n25_1C_5M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	14.26	14.18	14.28	14.25
	3	14.21	14.95	14.17	14.19
Total MIMO PSD (mW/MHz)		53.01	57.48	52.95	52.87
Total MIMO PSD (dBm/MHz)		17.24	17.60	17.24	17.23
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.75	26.11	25.75	25.74
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	14.44	15.08	14.37	14.31
	3	14.19	14.93	14.23	14.16
Total MIMO PSD (mW/MHz)		54.05	63.25	53.86	53.03
Total MIMO PSD (dBm/MHz)		17.33	18.01	17.31	17.25
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.84	26.52	25.82	25.76
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	13.95	14.72	13.97	13.88
	3	13.99	14.70	13.79	13.93
Total MIMO PSD (mW/MHz)		49.85	59.15	48.88	49.12
Total MIMO PSD (dBm/MHz)		16.98	17.72	16.89	16.91
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.49	26.23	25.40	25.42
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-38. Equivalent Isotropically Radiated Power Table (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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	12.51	13.84	12.63	12.59
	3	12.64	13.96	12.60	12.59
Total MIMO PSD (mW/MHz)		36.18	49.06	36.54	36.30
Total MIMO PSD (dBm/MHz)		15.59	16.91	15.63	15.60
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		24.10	25.42	24.14	24.11
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	12.10	13.99	12.48	12.55
	3	12.43	13.88	12.38	12.43
Total MIMO PSD (mW/MHz)		33.69	49.51	35.00	35.47
Total MIMO PSD (dBm/MHz)		15.27	16.95	15.44	15.50
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		23.78	25.46	23.95	24.01
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	12.12	13.64	12.14	12.17
	3	12.13	13.59	12.17	12.08
Total MIMO PSD (mW/MHz)		32.64	45.96	32.84	32.63
Total MIMO PSD (dBm/MHz)		15.14	16.62	15.16	15.14
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		23.65	25.13	23.67	23.65
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-39. Equivalent Isotropically Radiated Power Table (NR_n25_1C_15M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	11.42	13.23	11.44	11.47
	3	11.35	13.06	11.41	11.66
Total MIMO PSD (mW/MHz)		27.49	41.23	27.78	28.68
Total MIMO PSD (dBm/MHz)		14.39	16.15	14.44	14.58
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		22.90	24.66	22.95	23.09
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	11.23	12.87	11.23	11.24
	3	11.21	12.70	11.10	11.22
Total MIMO PSD (mW/MHz)		26.49	37.98	26.16	26.53
Total MIMO PSD (dBm/MHz)		14.23	15.80	14.18	14.24
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		22.74	24.31	22.69	22.75
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	10.91	12.55	10.82	11.01
	3	10.80	12.51	10.73	10.94
Total MIMO PSD (mW/MHz)		24.37	35.84	23.91	25.04
Total MIMO PSD (dBm/MHz)		13.87	15.54	13.79	13.99
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		22.38	24.05	22.30	22.50
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-40. Equivalent Isotropically Radiated 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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	10.56	11.96	10.58	10.56
	3	10.46	11.93	10.53	10.54
Total MIMO PSD (mW/MHz)		22.49	31.29	22.73	22.72
Total MIMO PSD (dBm/MHz)		13.52	14.95	13.57	13.56
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		22.03	23.46	22.08	22.07
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	10.31	11.57	10.28	10.30
	3	10.18	11.40	10.23	10.21
Total MIMO PSD (mW/MHz)		21.16	28.14	21.20	21.23
Total MIMO PSD (dBm/MHz)		13.25	14.49	13.26	13.27
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		21.76	23.00	21.77	21.78
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	2	9.97	11.36	10.17	10.00
	3	9.97	11.30	10.05	10.01
Total MIMO PSD (mW/MHz)		19.85	27.15	20.51	20.00
Total MIMO PSD (dBm/MHz)		12.98	14.34	13.12	13.01
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		21.49	22.85	21.63	21.52
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-41. Equivalent Isotropically Radiated Power Table (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

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Low Channel	Port	NR_n25_2C_5M+5M		NR_n25_4C_15M+15M+15M+15M	
		QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	2	14.21	14.55	6.14	7.64
	3	13.75	14.20	6.34	7.59
Total MIMO PSD (mW/MHz)		50.07	54.78	8.42	11.55
Total MIMO PSD (dBm/MHz)		17.00	17.39	9.25	10.62
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.51	25.90	17.76	19.13
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	2	14.37	14.64	5.57	7.00
	3	14.00	14.26	5.50	6.89
Total MIMO PSD (mW/MHz)		52.46	55.76	7.15	9.90
Total MIMO PSD (dBm/MHz)		17.20	17.46	8.54	9.96
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.71	25.97	17.05	18.47
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	2	14.31	14.59	5.63	6.86
	3	13.94	14.29	5.46	7.08
Total MIMO PSD (mW/MHz)		51.77	55.60	7.16	9.96
Total MIMO PSD (dBm/MHz)		17.14	17.45	8.55	9.98
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.65	25.96	17.06	18.49
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-42. Equivalent Isotropically Radiated Power Table (NR_n25_ Multi carrier)

Low Channel	Port	B/n25_2C_LTE 5M+NR 5M		B/n25_4C_LTE 15M+15M+NR 15M+15M	
		QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	2	13.81	14.15	7.51	8.54
	3	13.73	14.08	7.06	8.23
Total MIMO PSD (mW/MHz)		47.63	51.59	10.72	13.79
Total MIMO PSD (dBm/MHz)		16.78	17.13	10.30	11.40
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.29	25.64	18.81	19.91
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	2	13.92	14.11	7.46	8.54
	3	13.86	14.10	6.88	8.21
Total MIMO PSD (mW/MHz)		48.97	51.48	10.45	13.77
Total MIMO PSD (dBm/MHz)		16.90	17.12	10.19	11.39
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.41	25.63	18.70	19.90
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	2	13.94	14.01	7.32	8.53
	3	13.70	13.94	7.01	8.22
Total MIMO PSD (mW/MHz)		48.19	49.95	10.41	13.77
Total MIMO PSD (dBm/MHz)		16.83	16.99	10.18	11.39
Antenna Gain (dBi)		8.51	8.51	8.51	8.51
Total MIMO EIRP(dBm/MHz)		25.34	25.50	18.69	19.90
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-43. Equivalent Isotropically Radiated Power Table (B/n25_MSR_ 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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	15.27	15.62	15.27	15.15
	1	15.29	15.62	15.24	15.25
Total MIMO PSD (mW/MHz)		67.43	72.95	67.04	66.22
Total MIMO PSD (dBm/MHz)		18.29	18.63	18.26	18.21
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		27.80	28.14	27.77	27.72
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	15.54	15.76	15.48	15.60
	1	15.61	15.71	15.54	15.58
Total MIMO PSD (mW/MHz)		72.19	74.89	71.10	72.47
Total MIMO PSD (dBm/MHz)		18.58	18.74	18.52	18.60
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		28.09	28.25	28.03	28.11
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	15.41	15.57	15.26	15.32
	1	15.57	15.76	15.43	15.48
Total MIMO PSD (mW/MHz)		70.80	73.78	68.45	69.29
Total MIMO PSD (dBm/MHz)		18.50	18.68	18.35	18.41
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		28.01	28.19	27.86	27.92
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-44. Equivalent Isotropically Radiated Power Table (LTE_B66_1C_5M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	14.27	14.42	14.31	14.23
	1	14.32	14.67	14.52	14.36
Total MIMO PSD (mW/MHz)		53.76	56.95	55.31	53.78
Total MIMO PSD (dBm/MHz)		17.30	17.55	17.43	17.31
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.81	27.06	26.94	26.82
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	14.42	14.72	14.54	14.51
	1	14.57	15.02	14.60	14.65
Total MIMO PSD (mW/MHz)		56.32	61.39	57.27	57.44
Total MIMO PSD (dBm/MHz)		17.51	17.88	17.58	17.59
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		27.02	27.39	27.09	27.10
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	14.32	14.57	14.32	14.43
	1	14.53	14.77	14.44	14.58
Total MIMO PSD (mW/MHz)		55.44	58.65	54.82	56.47
Total MIMO PSD (dBm/MHz)		17.44	17.68	17.39	17.52
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.95	27.19	26.90	27.03
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-45. Equivalent Isotropically Radiated Power Table (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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	12.41	13.12	12.38	12.63
	1	12.69	13.38	12.74	12.71
Total MIMO PSD (mW/MHz)		36.02	42.26	36.07	36.98
Total MIMO PSD (dBm/MHz)		15.57	16.26	15.57	15.68
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		25.08	25.77	25.08	25.19
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	12.76	13.47	12.73	12.73
	1	12.79	13.68	12.82	12.69
Total MIMO PSD (mW/MHz)		37.87	45.56	37.88	37.30
Total MIMO PSD (dBm/MHz)		15.78	16.59	15.78	15.72
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		25.29	26.10	25.29	25.23
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	12.50	13.39	12.56	12.54
	1	12.72	13.43	12.91	12.72
Total MIMO PSD (mW/MHz)		36.50	43.84	37.60	36.66
Total MIMO PSD (dBm/MHz)		15.62	16.42	15.75	15.64
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		25.13	25.93	25.26	25.15
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-46. Equivalent Isotropically Radiated Power Table (LTE_B66_1C_15M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	11.27	11.51	11.42	11.21
	1	11.52	11.83	11.50	11.49
Total MIMO PSD (mW/MHz)		27.57	29.40	27.98	27.28
Total MIMO PSD (dBm/MHz)		14.41	14.68	14.47	14.36
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		23.92	24.19	23.98	23.87
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	11.50	11.91	11.59	11.54
	1	11.54	11.89	11.73	11.59
Total MIMO PSD (mW/MHz)		28.37	30.98	29.31	28.66
Total MIMO PSD (dBm/MHz)		14.53	14.91	14.67	14.57
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		24.04	24.42	24.18	24.08
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	11.25	11.70	11.35	11.38
	1	11.62	11.92	11.48	11.48
Total MIMO PSD (mW/MHz)		27.84	30.32	27.68	27.79
Total MIMO PSD (dBm/MHz)		14.45	14.82	14.42	14.44
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		23.96	24.33	23.93	23.95
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-47. Equivalent Isotropically Radiated Power Table (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

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Low Channel	Port	LTE_B66_2C_5M+5M		LTE_B66_4C_15M+15M+15M+15M	
		QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	0	13.47	13.74	5.88	6.51
	1	13.59	14.02	6.11	6.69
Total MIMO PSD (mW/MHz)		45.12	48.89	7.95	9.15
Total MIMO PSD (dBm/MHz)		16.54	16.89	9.00	9.61
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.05	26.40	18.51	19.12
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	0	13.75	14.22	5.70	6.17
	1	13.84	14.22	5.81	6.32
Total MIMO PSD (mW/MHz)		47.91	52.83	7.52	8.43
Total MIMO PSD (dBm/MHz)		16.80	17.23	8.76	9.26
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.31	26.74	18.27	18.77
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	0	13.63	13.95	5.72	5.96
	1	13.89	14.22	5.70	6.44
Total MIMO PSD (mW/MHz)		47.54	51.24	7.45	8.35
Total MIMO PSD (dBm/MHz)		16.77	17.10	8.72	9.22
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.28	26.61	18.23	18.73
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-48. Equivalent Isotropically Radiated Power Table (LTE_B66_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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	14.99	15.25	15.28	15.10
	1	15.17	15.32	15.31	15.26
Total MIMO PSD (mW/MHz)		64.46	67.53	67.71	65.93
Total MIMO PSD (dBm/MHz)		18.09	18.29	18.31	18.19
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		27.60	27.80	27.82	27.70
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	15.44	14.74	15.42	15.49
	1	15.58	15.57	15.54	15.49
Total MIMO PSD (mW/MHz)		71.09	65.85	70.68	70.81
Total MIMO PSD (dBm/MHz)		18.52	18.19	18.49	18.50
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		28.03	27.70	28.00	28.01
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	15.18	15.44	15.26	15.21
	1	15.35	15.68	15.33	15.42
Total MIMO PSD (mW/MHz)		67.25	71.89	67.71	68.01
Total MIMO PSD (dBm/MHz)		18.28	18.57	18.31	18.33
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		27.79	28.08	27.82	27.84
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-49. Equivalent Isotropically Radiated Power Table (NR_n66_1C_5M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	13.96	14.54	13.92	13.93
	1	13.99	14.69	14.05	14.10
Total MIMO PSD (mW/MHz)		49.94	57.92	50.01	50.43
Total MIMO PSD (dBm/MHz)		16.98	17.63	16.99	17.03
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.49	27.14	26.50	26.54
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	14.26	15.03	14.26	14.19
	1	14.32	15.02	14.21	14.30
Total MIMO PSD (mW/MHz)		53.74	63.57	53.00	53.15
Total MIMO PSD (dBm/MHz)		17.30	18.03	17.24	17.25
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.81	27.54	26.75	26.76
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	14.07	14.74	14.07	13.97
	1	14.05	15.00	14.30	14.39
Total MIMO PSD (mW/MHz)		50.91	61.39	52.47	52.37
Total MIMO PSD (dBm/MHz)		17.07	17.88	17.20	17.19
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.58	27.39	26.71	26.70
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-50. Equivalent Isotropically Radiated Power Table (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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	12.22	13.29	12.29	12.33
	1	12.52	13.86	12.44	12.40
Total MIMO PSD (mW/MHz)		34.53	45.68	34.51	34.49
Total MIMO PSD (dBm/MHz)		15.38	16.60	15.38	15.38
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		24.89	26.11	24.89	24.89
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	12.60	14.08	12.42	12.55
	1	12.48	14.00	12.49	12.51
Total MIMO PSD (mW/MHz)		35.92	50.69	35.20	35.82
Total MIMO PSD (dBm/MHz)		15.55	17.05	15.47	15.54
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		25.06	26.56	24.98	25.05
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	12.36	13.80	12.36	12.30
	1	12.44	13.11	12.40	12.39
Total MIMO PSD (mW/MHz)		34.77	44.44	34.60	34.32
Total MIMO PSD (dBm/MHz)		15.41	16.48	15.39	15.36
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		24.92	25.99	24.90	24.87
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-51. Equivalent Isotropically Radiated Power Table (NR_n66_1C_15M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	11.22	12.68	11.05	11.07
	1	11.26	12.90	11.36	11.38
Total MIMO PSD (mW/MHz)		26.62	38.04	26.41	26.53
Total MIMO PSD (dBm/MHz)		14.25	15.80	14.22	14.24
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		23.76	25.31	23.73	23.75
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	11.25	12.83	11.23	11.24
	1	11.28	12.98	11.31	11.33
Total MIMO PSD (mW/MHz)		26.76	39.04	26.80	26.89
Total MIMO PSD (dBm/MHz)		14.28	15.91	14.28	14.30
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		23.79	25.42	23.79	23.81
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	11.02	12.69	11.06	11.10
	1	11.14	13.00	11.27	11.23
Total MIMO PSD (mW/MHz)		25.65	38.53	26.16	26.16
Total MIMO PSD (dBm/MHz)		14.09	15.86	14.18	14.18
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		23.60	25.37	23.69	23.69
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-52. Equivalent Isotropically Radiated Power Table (NR_n66_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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	10.10	11.40	10.15	10.11
	1	10.36	11.69	10.34	10.33
Total MIMO PSD (mW/MHz)		21.09	28.57	21.17	21.04
Total MIMO PSD (dBm/MHz)		13.24	14.56	13.26	13.23
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		22.75	24.07	22.77	22.74
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	10.24	11.71	10.15	10.27
	1	10.38	11.59	10.34	10.36
Total MIMO PSD (mW/MHz)		21.47	29.26	21.17	21.49
Total MIMO PSD (dBm/MHz)		13.32	14.66	13.26	13.32
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		22.83	24.17	22.77	22.83
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	10.09	11.49	10.09	10.07
	1	10.29	11.63	10.26	10.31
Total MIMO PSD (mW/MHz)		20.89	28.65	20.83	20.91
Total MIMO PSD (dBm/MHz)		13.20	14.57	13.19	13.20
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		22.71	24.08	22.70	22.71
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-53. Equivalent Isotropically Radiated Power Table (NR_n66_1C_25M)

Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	9.21	10.99	9.32	9.27
	1	9.31	11.21	9.53	9.60
Total MIMO PSD (mW/MHz)		16.87	25.79	17.53	17.57
Total MIMO PSD (dBm/MHz)		12.27	14.11	12.44	12.45
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		21.78	23.62	21.95	21.96
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	9.45	11.12	9.46	9.63
	1	9.61	11.21	9.54	9.52
Total MIMO PSD (mW/MHz)		17.95	26.15	17.81	18.12
Total MIMO PSD (dBm/MHz)		12.54	14.17	12.51	12.58
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		22.05	23.68	22.02	22.09
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	0	9.20	10.94	9.23	9.15
	1	9.31	11.24	9.54	9.42
Total MIMO PSD (mW/MHz)		16.84	25.73	17.36	16.97
Total MIMO PSD (dBm/MHz)		12.26	14.10	12.40	12.30
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		21.77	23.61	21.91	21.81
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-54. Equivalent Isotropically Radiated Power Table (NR_n66_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

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Low Channel	Port	NR_n66_2C_5M+5M		NR_n66_4C_15M+15M+15M+15M	
		QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	0	13.22	13.52	5.44	6.97
	1	13.42	13.63	5.51	6.99
Total MIMO PSD (mW/MHz)		42.95	45.57	7.06	9.98
Total MIMO PSD (dBm/MHz)		16.33	16.59	8.49	9.99
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		25.84	26.10	18.00	19.50
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	0	13.53	13.71	5.29	6.85
	1	13.71	13.73	5.51	6.85
Total MIMO PSD (mW/MHz)		46.05	47.07	6.94	9.68
Total MIMO PSD (dBm/MHz)		16.63	16.73	8.41	9.86
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.14	26.24	17.92	19.37
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	0	13.30	13.51	5.21	6.69
	1	13.62	13.66	5.59	6.87
Total MIMO PSD (mW/MHz)		44.39	45.65	6.94	9.53
Total MIMO PSD (dBm/MHz)		16.47	16.59	8.41	9.79
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		25.98	26.10	17.92	19.30
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-55. Equivalent Isotropically Radiated Power Table (NR_n66_Multi carrier)

Low Channel	Port	B/n66_2C_LTE 5M+NR 5M		B/n66_4C_LTE 15M+15M+NR 15M+15M	
		QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	0	13.86	14.20	6.23	7.77
	1	14.00	14.26	6.51	7.80
Total MIMO PSD (mW/MHz)		49.42	53.01	8.68	12.01
Total MIMO PSD (dBm/MHz)		16.94	17.24	9.39	10.79
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.45	26.75	18.90	20.30
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	0	14.00	14.38	6.32	7.71
	1	14.11	14.30	6.47	7.76
Total MIMO PSD (mW/MHz)		50.91	54.29	8.72	11.87
Total MIMO PSD (dBm/MHz)		17.07	17.35	9.41	10.74
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.58	26.86	18.92	20.25
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	0	13.87	14.17	6.44	7.50
	1	13.99	14.35	6.43	7.70
Total MIMO PSD (mW/MHz)		49.44	53.32	8.79	11.51
Total MIMO PSD (dBm/MHz)		16.94	17.27	9.44	10.61
Antenna Gain (dBi)		9.51	9.51	9.51	9.51
Total MIMO EIRP(dBm/MHz)		26.45	26.78	18.95	20.12
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-56. Equivalent Isotropically Radiated Power Table (B/n66_MSR_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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	11.62	13.55	11.62	11.63
	5	10.38	12.50	10.52	10.56
	6	10.59	12.58	10.80	10.78
	7	10.41	12.30	10.54	10.54
Total MIMO PSD (mW/MHz)		47.88	75.53	49.14	49.22
Total MIMO PSD (dBm/MHz)		16.80	18.78	16.91	16.92
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		29.32	31.30	29.43	29.44
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	10.73	12.71	10.71	10.81
	5	10.72	12.58	10.66	10.69
	6	10.83	12.77	10.87	10.87
	7	10.57	12.52	10.56	10.56
Total MIMO PSD (mW/MHz)		47.14	73.57	47.01	47.37
Total MIMO PSD (dBm/MHz)		16.73	18.67	16.72	16.75
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		29.25	31.19	29.24	29.27
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	10.37	12.33	10.46	10.41
	5	10.15	12.15	10.28	10.26
	6	10.34	12.37	10.50	10.52
	7	10.11	12.21	10.31	10.27
Total MIMO PSD (mW/MHz)		42.31	67.40	43.74	43.52
Total MIMO PSD (dBm/MHz)		16.26	18.29	16.41	16.39
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		28.78	30.81	28.93	28.91
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-57. Equivalent Isotropically Radiated Power Table (NR_n77_1C_40M)



CTK Co., Ltd.

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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	8.79	10.35	8.85	8.82
	5	8.66	10.29	8.70	8.76
	6	9.03	10.50	8.90	9.19
	7	8.57	10.24	8.66	8.64
Total MIMO PSD (mW/MHz)		30.11	43.32	30.19	30.75
Total MIMO PSD (dBm/MHz)		14.79	16.37	14.80	14.88
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		27.31	28.89	27.32	27.40
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	8.58	10.42	8.64	8.65
	5	8.34	10.17	8.41	8.41
	6	8.53	10.39	8.61	8.61
	7	8.50	10.32	8.56	8.52
Total MIMO PSD (mW/MHz)		28.24	43.12	28.68	28.64
Total MIMO PSD (dBm/MHz)		14.51	16.35	14.58	14.57
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		27.03	28.87	27.10	27.09
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	8.41	10.19	8.46	8.49
	5	8.33	10.12	8.42	8.43
	6	8.42	10.27	8.54	8.60
	7	8.27	10.11	8.39	8.44
Total MIMO PSD (mW/MHz)		27.41	41.63	28.01	28.26
Total MIMO PSD (dBm/MHz)		14.38	16.19	14.47	14.51
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		26.90	28.71	26.99	27.03
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-58. Equivalent Isotropically Radiated Power Table (NR_n77_1C_60M)



CTK Co., Ltd.

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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	7.61	9.48	7.68	7.66
	5	7.49	9.35	7.55	7.46
	6	7.72	9.59	7.77	7.76
	7	7.40	9.26	7.43	7.50
Total MIMO PSD (mW/MHz)		22.79	35.01	23.07	23.00
Total MIMO PSD (dBm/MHz)		13.58	15.44	13.63	13.62
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		26.10	27.96	26.15	26.14
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	7.80	9.31	7.55	7.59
	5	7.48	9.15	7.38	7.41
	6	7.61	9.26	7.51	7.51
	7	7.54	9.16	7.43	7.43
Total MIMO PSD (mW/MHz)		23.07	33.43	22.33	22.42
Total MIMO PSD (dBm/MHz)		13.63	15.24	13.49	13.51
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		26.15	27.76	26.01	26.03
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	7.30	9.15	7.34	7.43
	5	7.14	9.06	7.19	7.27
	6	7.38	9.21	7.45	7.60
	7	7.12	8.98	7.22	7.18
Total MIMO PSD (mW/MHz)		21.17	32.52	21.49	21.85
Total MIMO PSD (dBm/MHz)		13.26	15.12	13.32	13.39
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		25.78	27.64	25.84	25.91
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-59. Equivalent Isotropically Radiated Power Table (NR_n77_1C_80M)



CTK Co., Ltd.

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

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Low Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	6.50	8.20	6.39	6.54
	5	6.44	8.15	6.39	6.43
	6	6.61	8.36	6.50	6.61
	7	6.49	8.15	6.45	6.49
Total MIMO PSD (mW/MHz)		17.90	26.51	17.59	17.93
Total MIMO PSD (dBm/MHz)		12.53	14.23	12.45	12.54
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		25.05	26.75	24.97	25.06
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
Middle Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	6.28	8.23	6.35	6.39
	5	6.26	8.18	6.33	6.35
	6	6.38	8.38	6.49	6.62
	7	6.38	8.34	6.41	6.43
Total MIMO PSD (mW/MHz)		17.16	26.93	17.44	17.66
Total MIMO PSD (dBm/MHz)		12.34	14.30	12.41	12.47
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		24.86	26.82	24.93	24.99
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	64QAM	256QAM
Power Spectral Density(dBm/MHz)	4	6.05	7.97	6.06	6.10
	5	5.98	7.91	6.07	6.05
	6	6.18	8.13	6.29	6.24
	7	6.08	8.02	6.15	6.17
Total MIMO PSD (mW/MHz)		16.19	25.28	16.46	16.44
Total MIMO PSD (dBm/MHz)		12.09	14.03	12.17	12.16
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		24.61	26.55	24.69	24.68
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15

Table 8-60. Equivalent Isotropically Radiated Power Table (NR_n77_1C_100M)



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

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Low Channel	Port	NR_n77_2C_40M+40M		NR_n77_4C_40M+60M+80M+100M	
		QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	4	7.12	9.09		
	5	7.03	9.00		
	6	7.25	9.24		
	7	7.11	9.09		
Total MIMO PSD (mW/MHz)		20.64	32.55		
Total MIMO PSD (dBm/MHz)		13.15	15.13		
Antenna Gain (dBi)		12.52	12.52		
Total MIMO EIRP(dBm/MHz)		25.67	27.65		
EIRP Limit (dBm/MHz)		62.15	62.15		
Middle Channel	Port	QPSK	16QAM	QPSK	16QAM
		QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	4	7.49	9.67	2.01	3.80
	5	7.53	9.51	2.17	3.94
	6	7.63	9.68	2.35	4.10
	7	7.49	9.59	2.03	3.82
Total MIMO PSD (mW/MHz)		22.67	36.59	6.55	9.86
Total MIMO PSD (dBm/MHz)		13.56	15.63	8.16	9.94
Antenna Gain (dBi)		12.52	12.52	12.52	12.52
Total MIMO EIRP(dBm/MHz)		26.08	28.15	20.68	22.46
EIRP Limit (dBm/MHz)		62.15	62.15	62.15	62.15
High Channel	Port	QPSK	16QAM	QPSK	16QAM
		QPSK	16QAM	QPSK	16QAM
Power Spectral Density(dBm/MHz)	4	7.14	8.99		
	5	7.10	8.94		
	6	7.31	9.19		
	7	7.10	9.06		
Total MIMO PSD (mW/MHz)		20.81	32.10		
Total MIMO PSD (dBm/MHz)		13.18	15.06		
Antenna Gain (dBi)		12.52	12.52		
Total MIMO EIRP(dBm/MHz)		25.70	27.58		
EIRP Limit (dBm/MHz)		62.15	62.15		

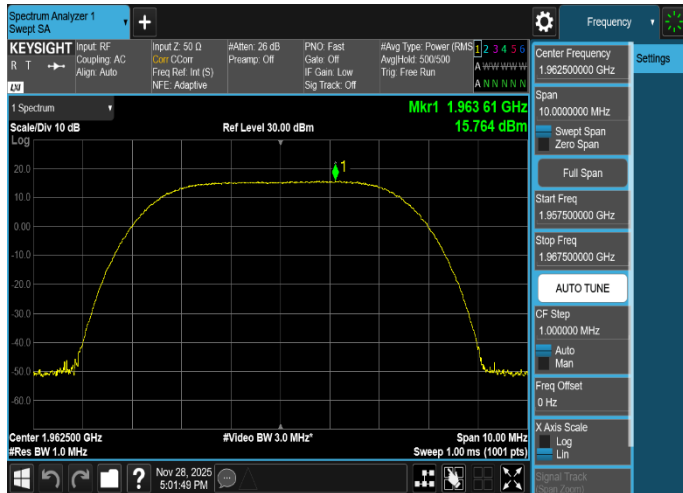
Table 8-61. Equivalent Isotropically Radiated Power Table (NR_n77_Multi carrier)



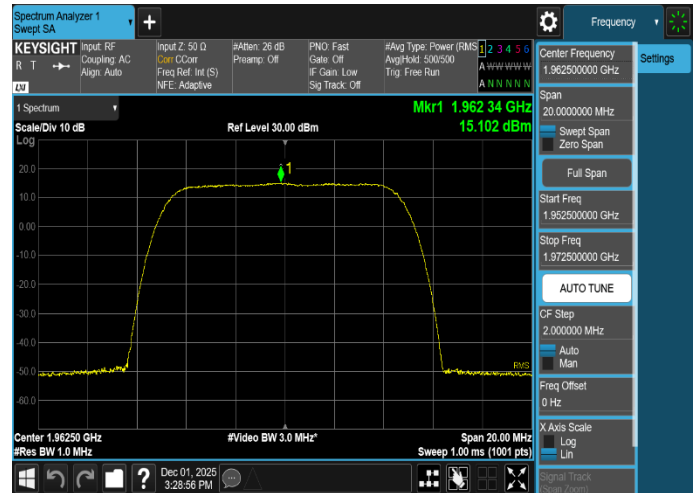
CTK Co., Ltd.

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

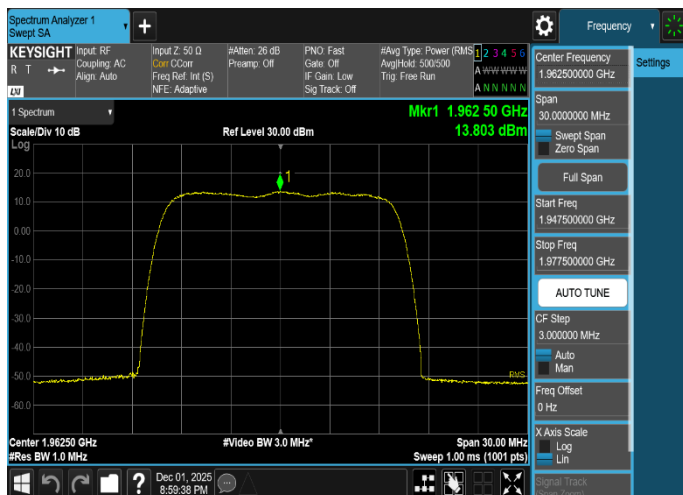
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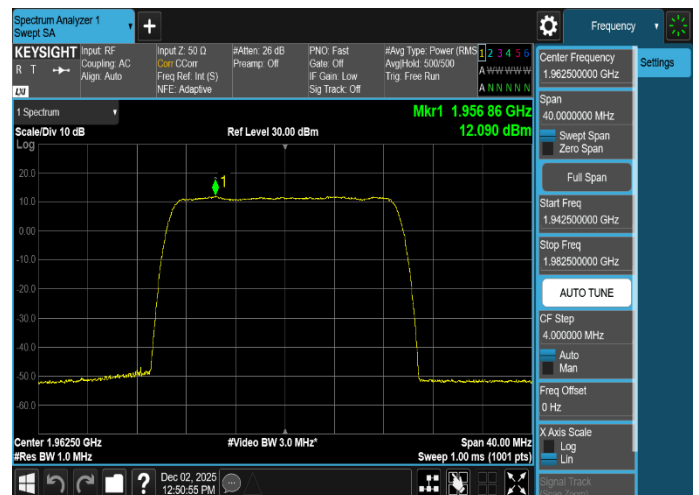
Plot 8-75. Equivalent Isotropically Radiated Power Plot
(LTE_B25_1C_5M_16QAM - Mid Channel, Port 2)



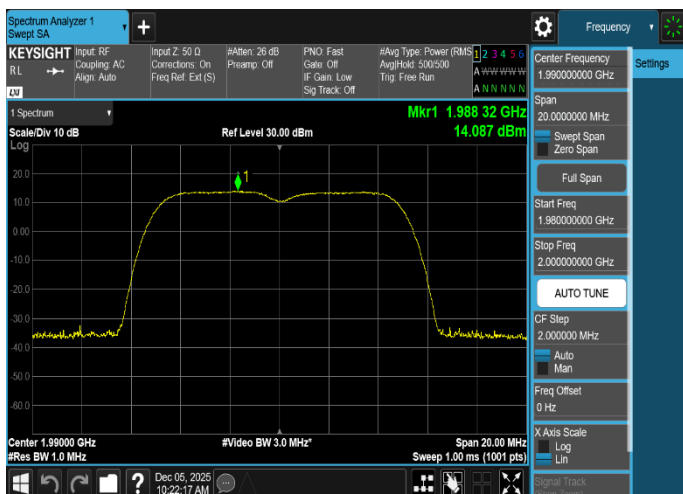
Plot 8-76. Equivalent Isotropically Radiated Power Plot
(LTE_B25_1C_10M_16QAM - Mid Channel, Port 2)



Plot 8-77. Equivalent Isotropically Radiated Power Plot
(LTE_B25_1C_15M_16QAM - Mid Channel, Port 2)



Plot 8-78. Equivalent Isotropically Radiated Power Plot
(LTE_B25_1C_20M_16QAM - Mid Channel, Port 2)



Plot 8-79. Equivalent Isotropically Radiated Power Plot
(LTE_B25_2C_5M+5M_16QAM - High Channel, Port 2)



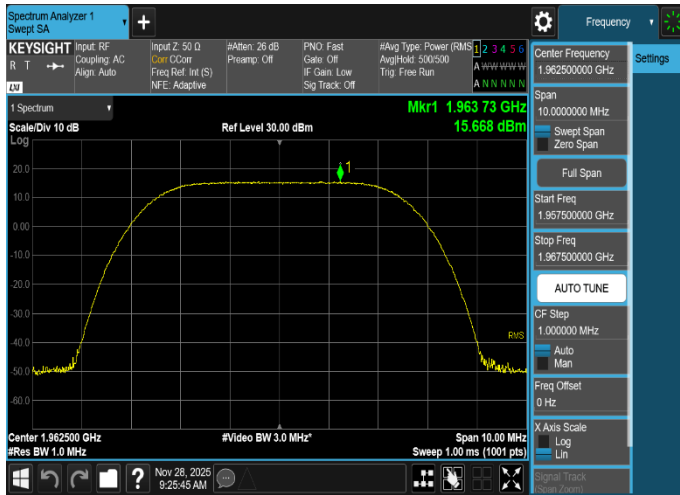
Plot 8-80. Equivalent Isotropically Radiated Power Plot
(LTE_B25_4C_15M+15M+15M+15M_16QAM - Low Channel,
Port 2)



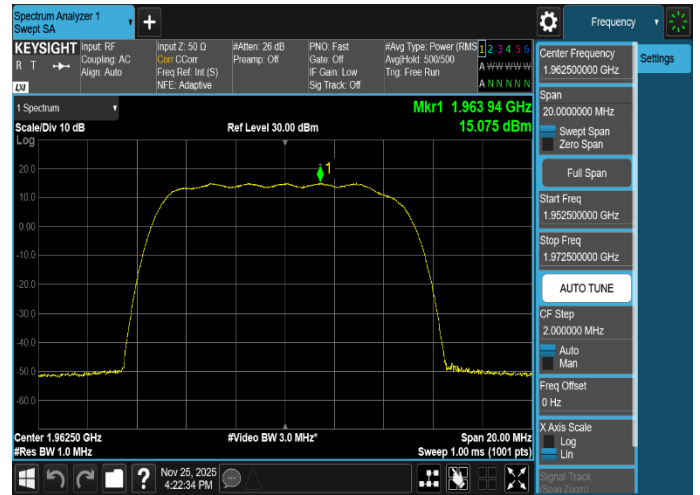
CTK Co., Ltd.

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

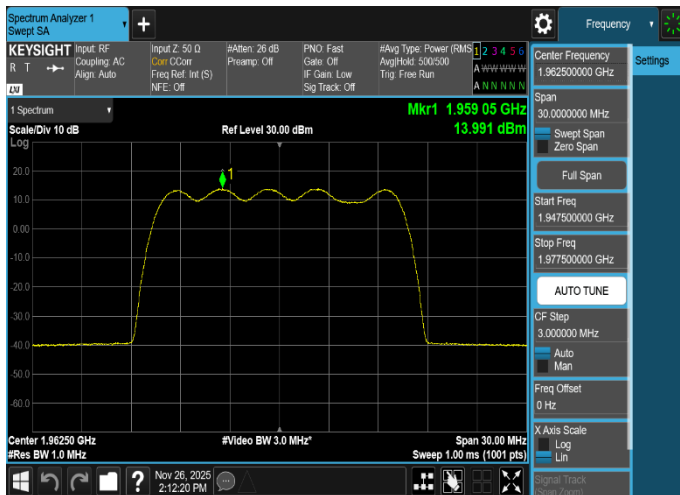
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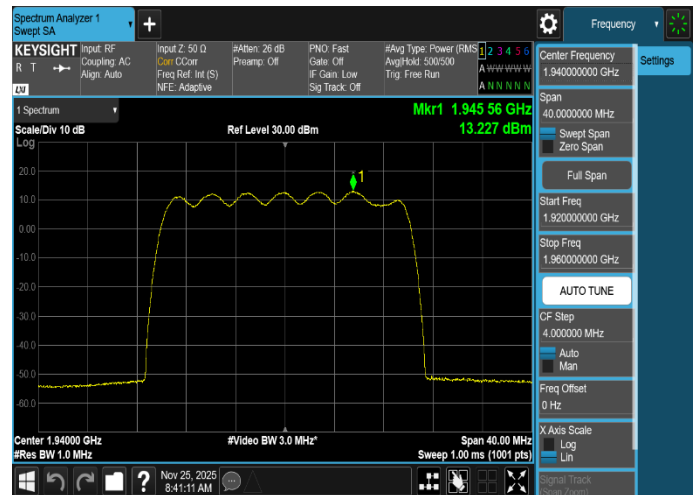
Plot 8-81. Equivalent Isotropically Radiated Power Plot
(NR_n25_1C_5M_256QAM - Mid Channel, Port 2)



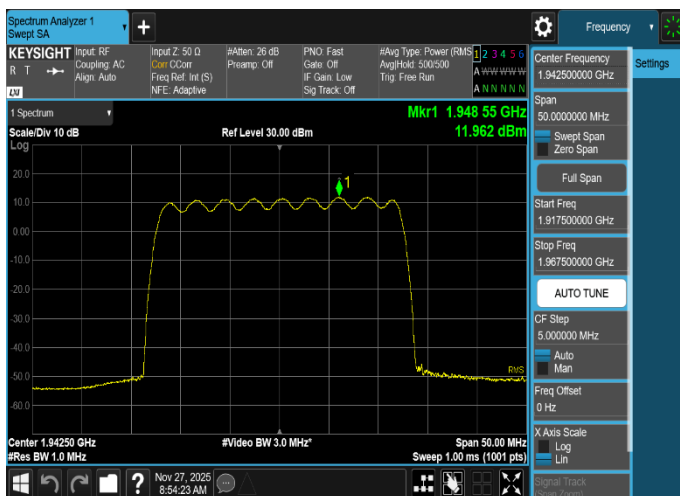
Plot 8-82. Equivalent Isotropically Radiated Power Plot
(NR_n25_1C_10M_16QAM - Mid Channel, Port 2)



Plot 8-83. Equivalent Isotropically Radiated Power Plot
(NR_n25_1C_15M_16QAM - Mid Channel, Port 2)



Plot 8-84. Equivalent Isotropically Radiated Power Plot
(NR_n25_1C_20M_16QAM - Low Channel, Port 2)



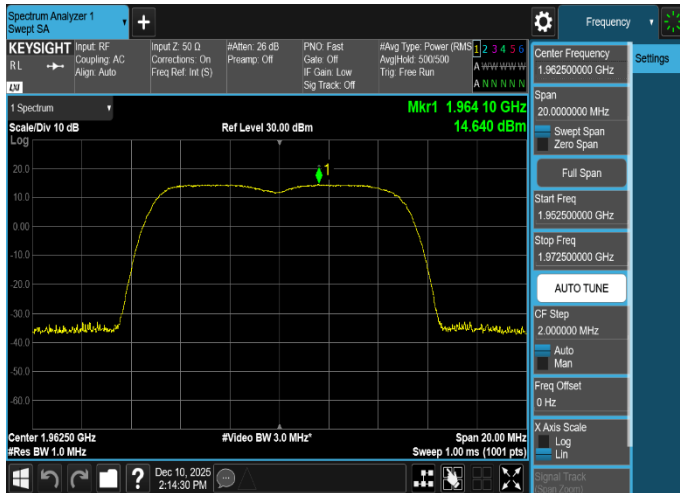
Plot 8-85. Equivalent Isotropically Radiated Power Plot
(NR_n25_1C_25M_16QAM - Low Channel, Port 2)



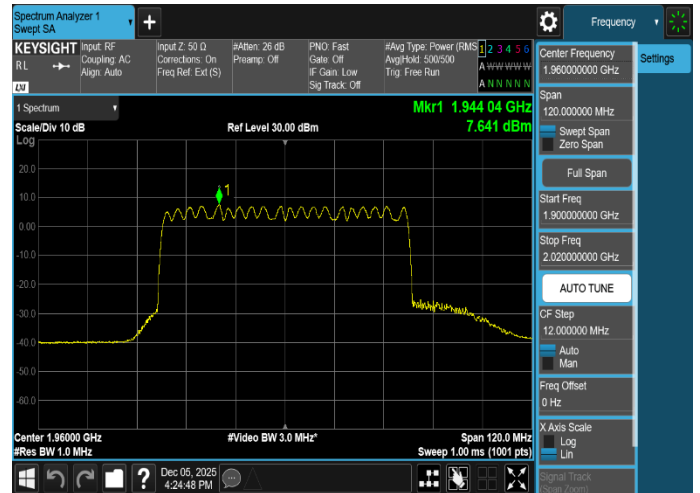
CTK Co., Ltd.

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

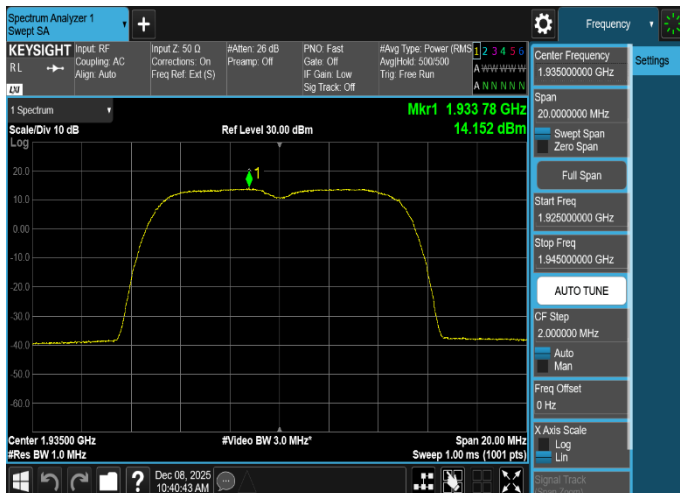
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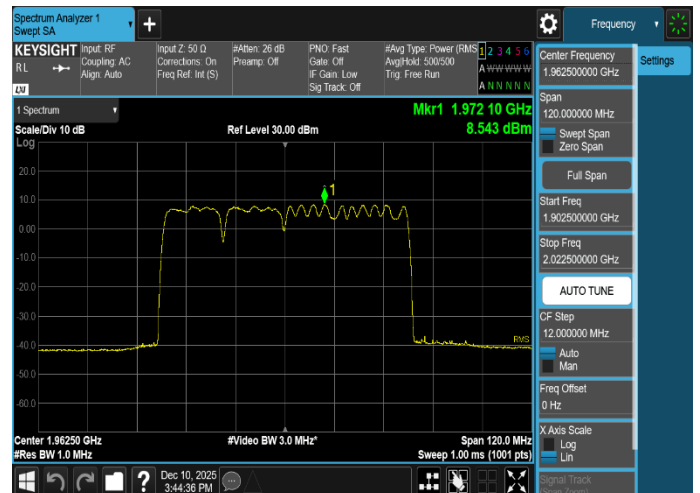
Plot 8-86. Equivalent Isotropically Radiated Power Plot
(NR_n25_2C_5M+5M_16QAM - Mid Channel, Port 2)



Plot 8-87. Equivalent Isotropically Radiated Power Plot
(NR_n25_4C_15M+15M+15M+15M_16QAM - Low Channel,
Port 2)



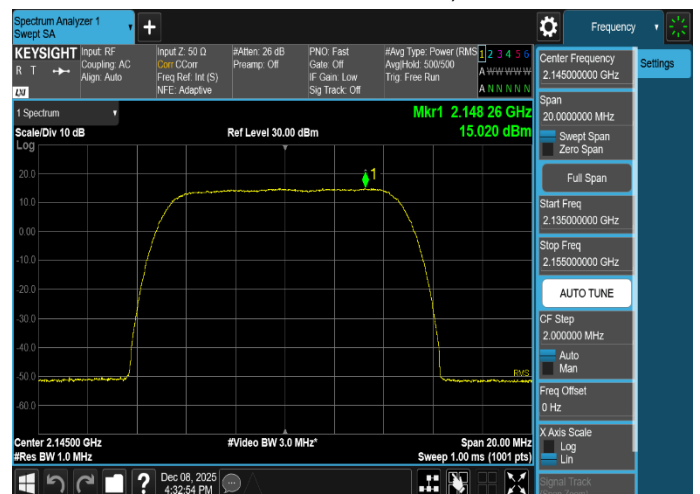
Plot 8-88. Equivalent Isotropically Radiated Power Plot
(MSR(LTE+NR)_B/n25_2C_5M+5M_16QAM - Low Channel,
Port 2)



Plot 8-89. Equivalent Isotropically Radiated Power Plot
(MSR(LTE+NR)_B/n25_4C_15M+15M+15M+15M_16QAM -
Mid Channel, Port 2)



Plot 8-90. Equivalent Isotropically Radiated Power Plot
(LTE_B66_1C_5M_16QAM - High Channel, Port 1)



Plot 8-91. Equivalent Isotropically Radiated Power Plot
(LTE_B66_1C_10M_16QAM - Mid Channel, Port 1)