

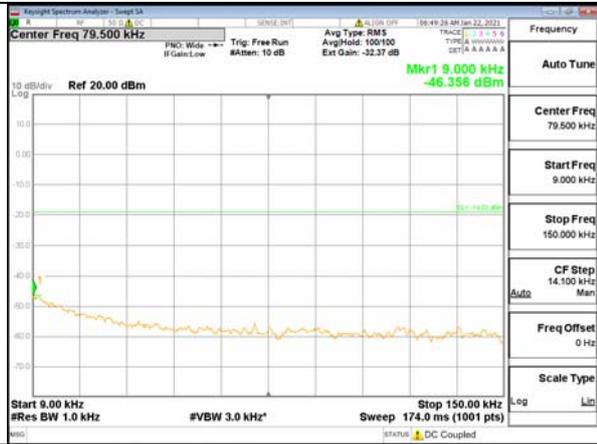


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (136) / (192)
 Pages

[16QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



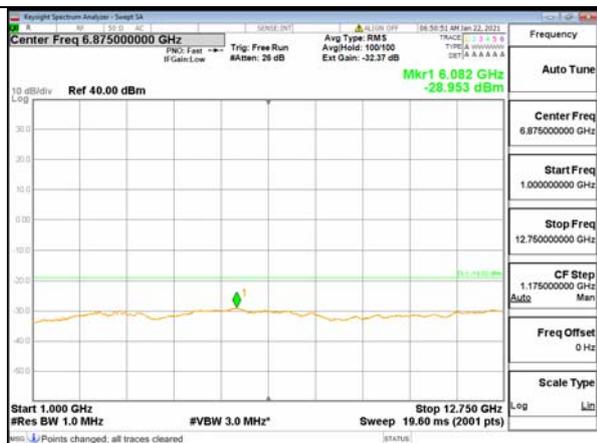
30 MHz - 869 MHz



894 MHz - 1 GHz



1 GHz - 12.75 GHz



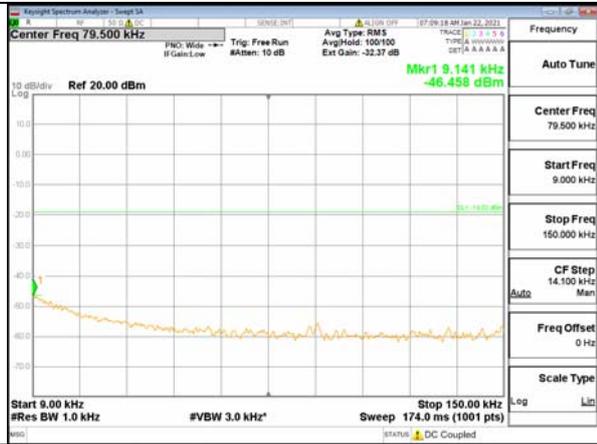


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (137) / (192)
 Pages

[64QAM]

9 kHz - 150 kHz



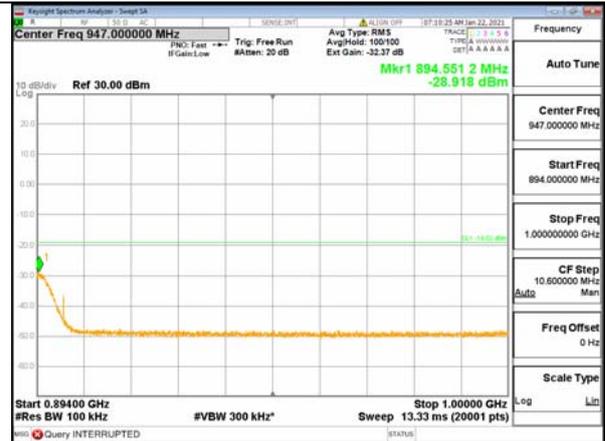
150 kHz - 30 MHz



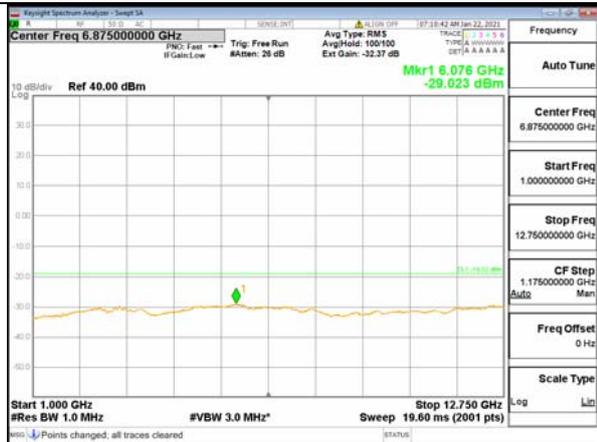
30 MHz - 869 MHz



894 MHz - 1 GHz



1 GHz - 12.75 GHz





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

Report No.:
 CTK-2021-00289
 Page (138) / (192)
 Pages

[256QAM]

9 kHz - 150 kHz



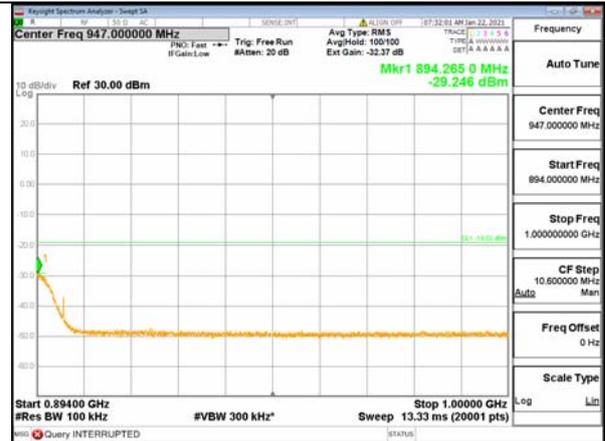
150 kHz - 30 MHz



30 MHz - 869 MHz



894 MHz - 1 GHz



1 GHz - 12.75 GHz



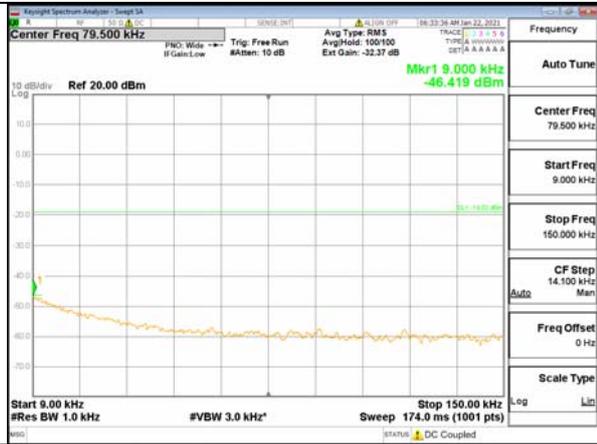


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (139) / (192)
 Pages

ANT 4
[QPSK]

9 kHz - 150 kHz



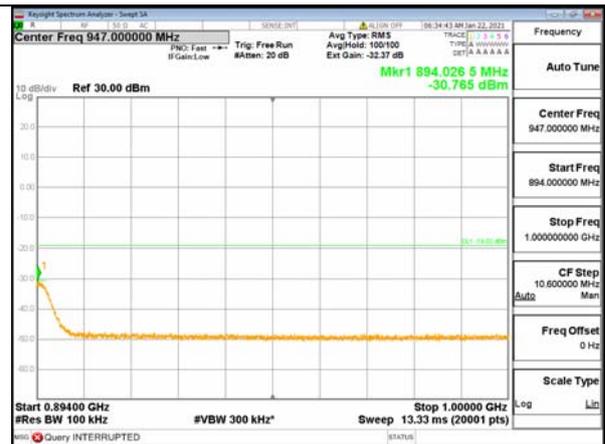
150 kHz - 30 MHz



30 MHz - 869 MHz



894 MHz - 1 GHz



1 GHz - 12.75 GHz



[16QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 869 MHz



894 MHz - 1 GHz

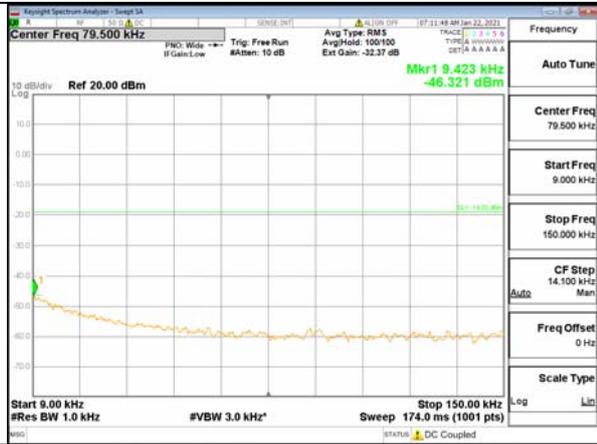


1 GHz - 12.75 GHz



[64QAM]

9 kHz - 150 kHz



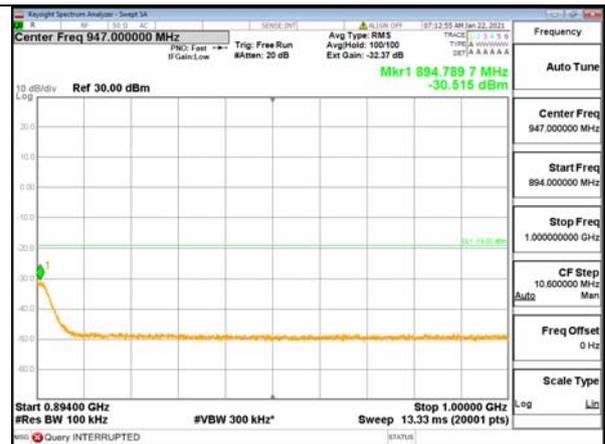
150 kHz - 30 MHz



30 MHz - 869 MHz



894 MHz - 1 GHz



1 GHz - 12.75 GHz



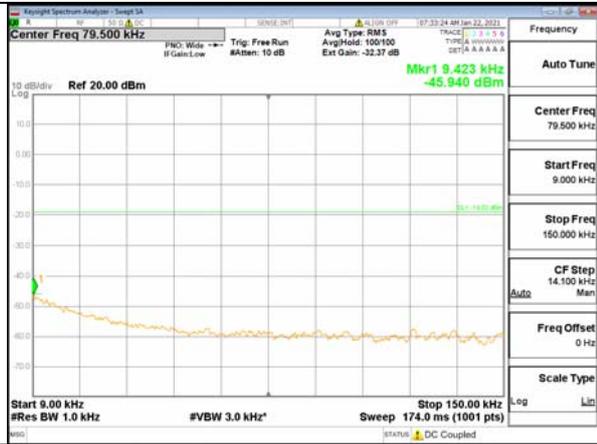


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (142) / (192)
 Pages

[256QAM]

9 kHz - 150 kHz



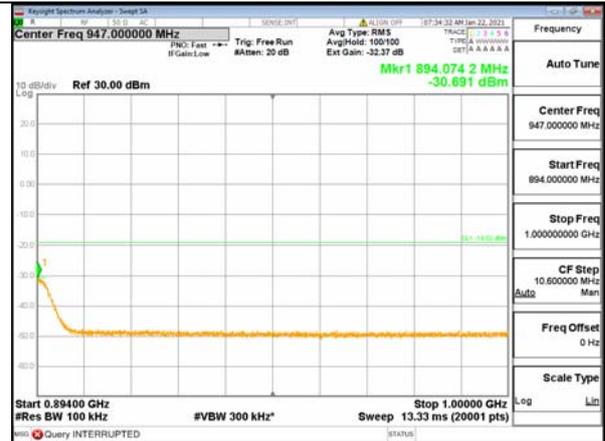
150 kHz - 30 MHz



30 MHz - 869 MHz



894 MHz - 1 GHz



1 GHz - 12.75 GHz

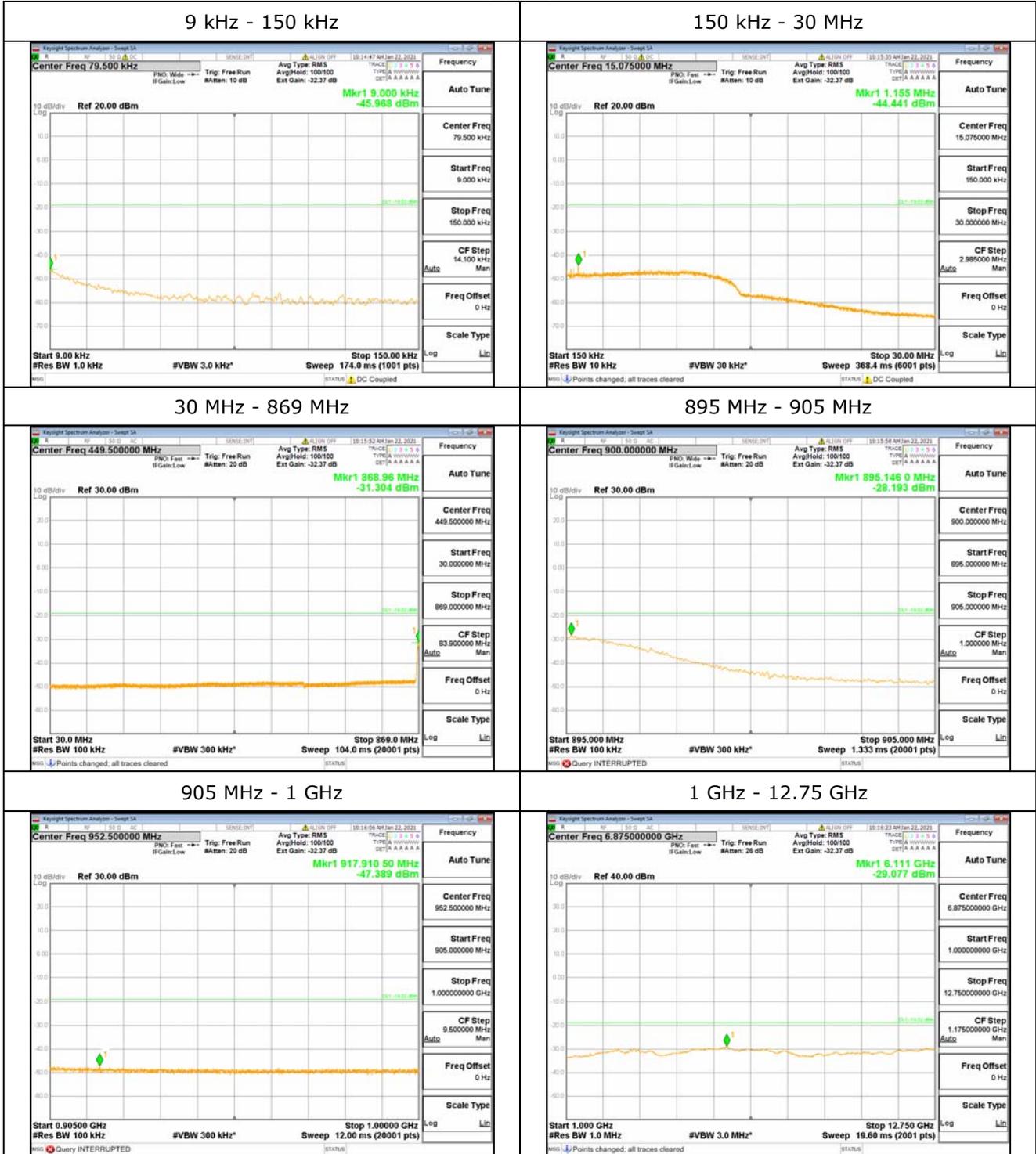




CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (143) / (192)
 Pages

**BW 10MHz+5MHz, Multi 2 carrier(Contiguous), 4Tx, Top
 ANT 1
 [QPSK]**



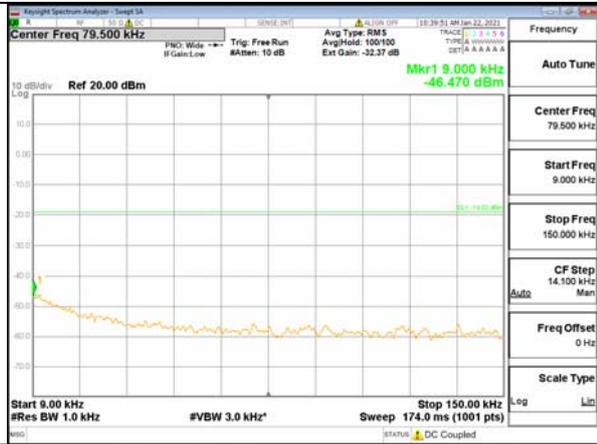


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (144) / (192)
 Pages

[16QAM]

9 kHz - 150 kHz



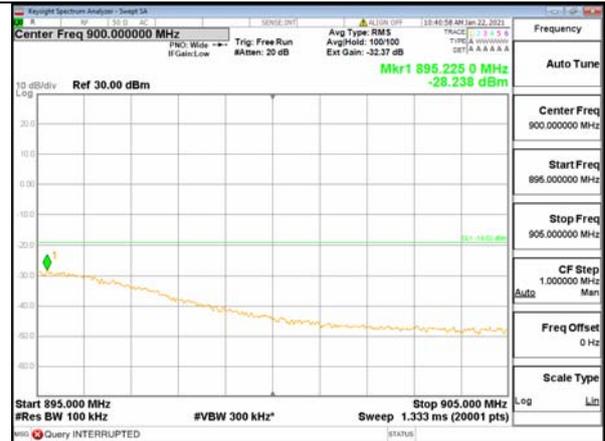
150 kHz - 30 MHz



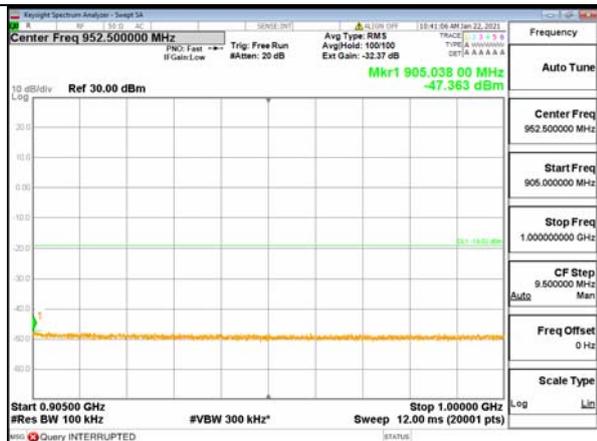
30 MHz - 869 MHz



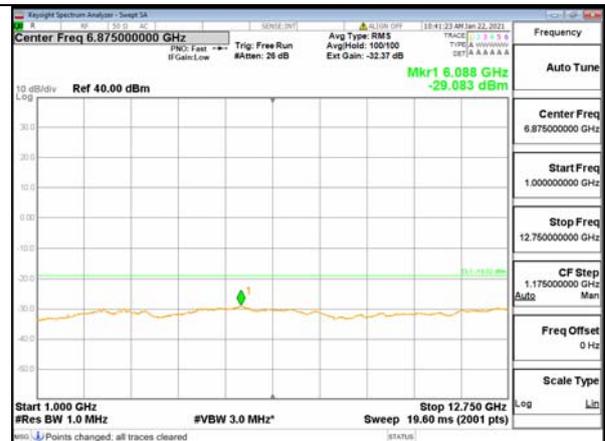
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz



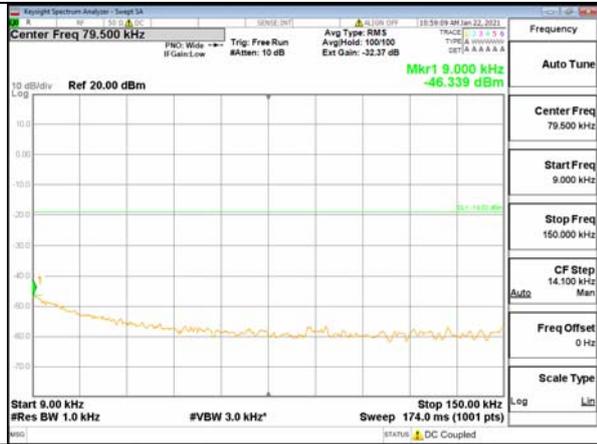


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (145) / (192)
 Pages

[64QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



30 MHz - 869 MHz



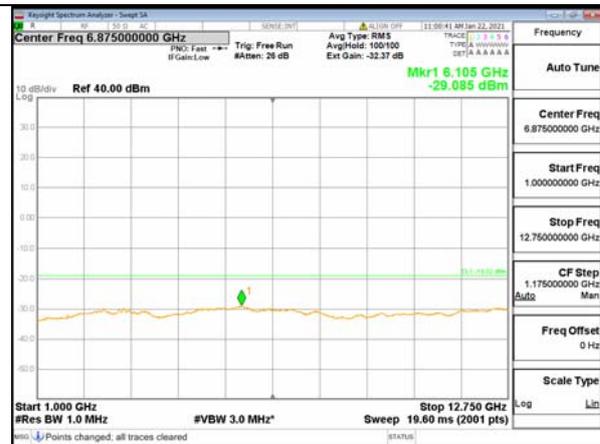
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz



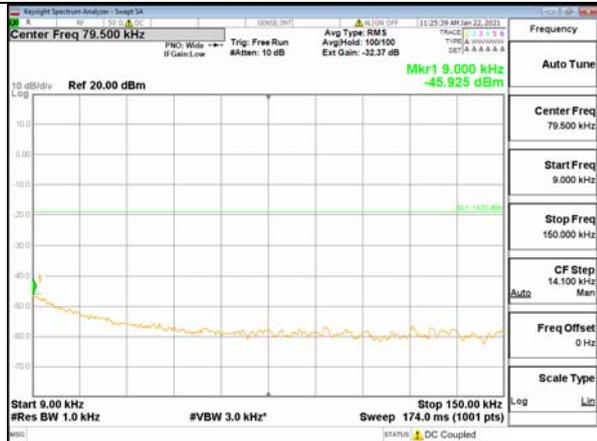


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (146) / (192)
 Pages

[256QAM]

9 kHz - 150 kHz



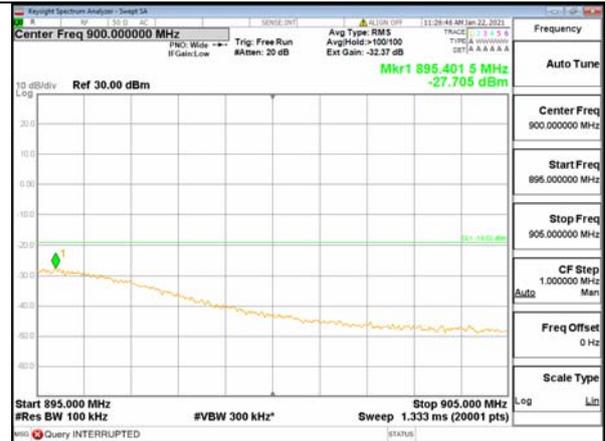
150 kHz - 30 MHz



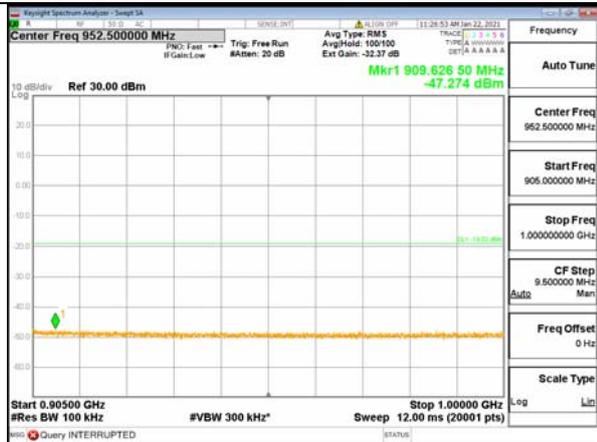
30 MHz - 869 MHz



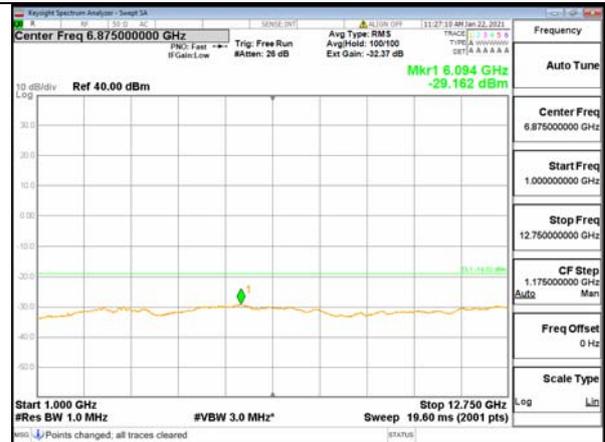
895 MHz - 905 MHz



905 MHz - 1 GHz



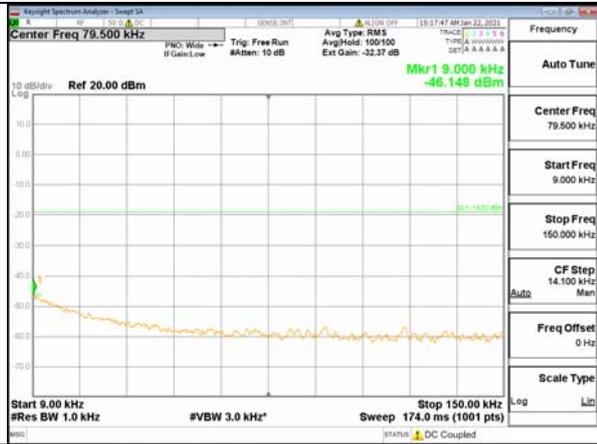
1 GHz - 12.75 GHz





ANT 2
[QPSK]

9 kHz - 150 kHz



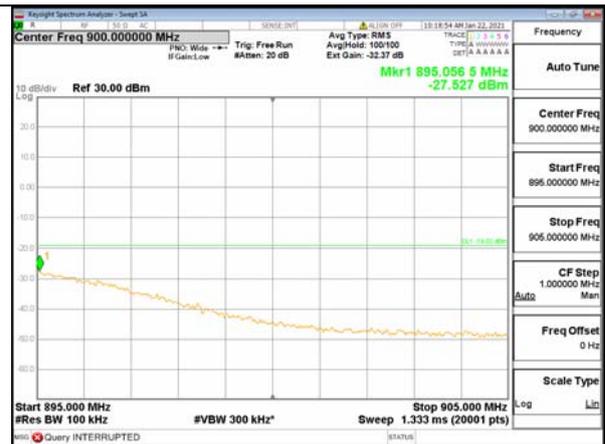
150 kHz - 30 MHz



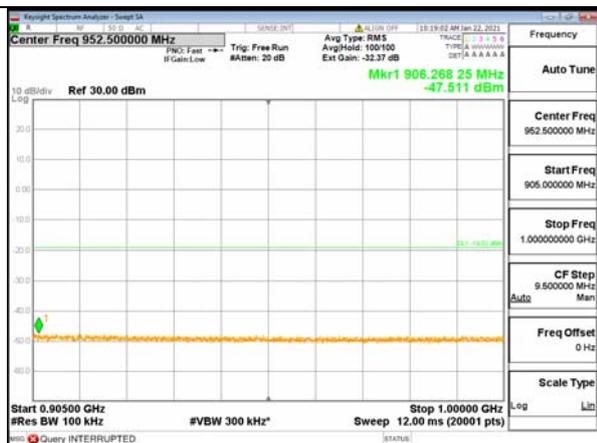
30 MHz - 869 MHz



895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz





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

Report No.:
 CTK-2021-00289
 Page (148) / (192)
 Pages

[16QAM]

9 kHz - 150 kHz



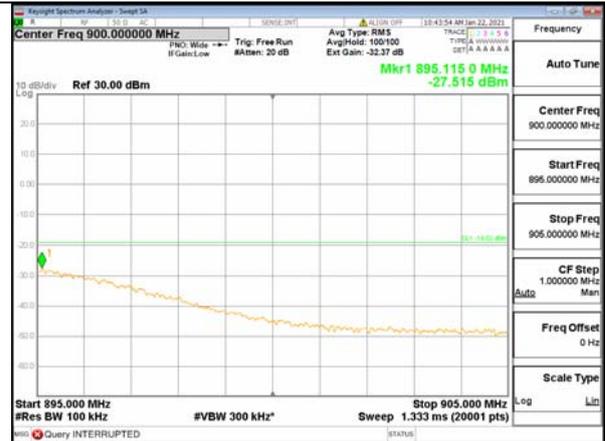
150 kHz - 30 MHz



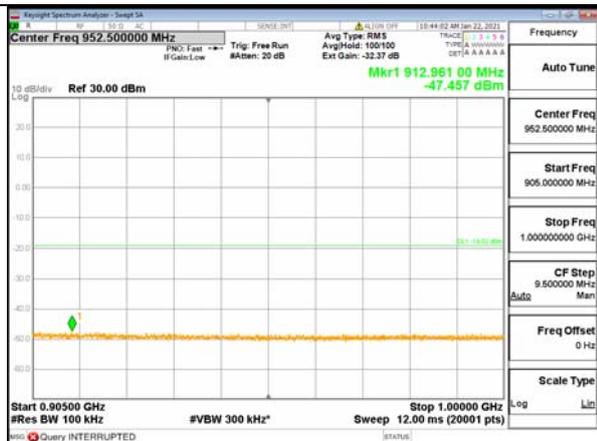
30 MHz - 869 MHz



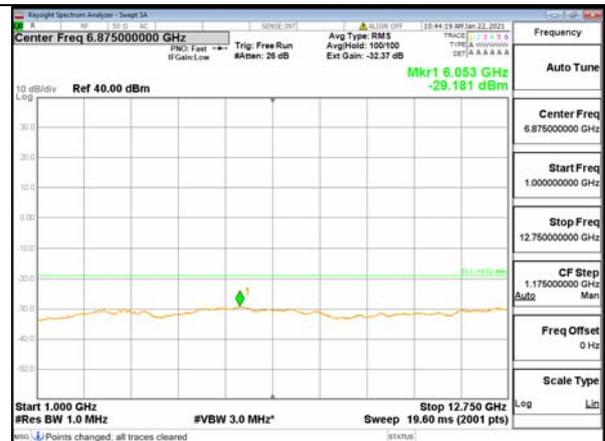
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz



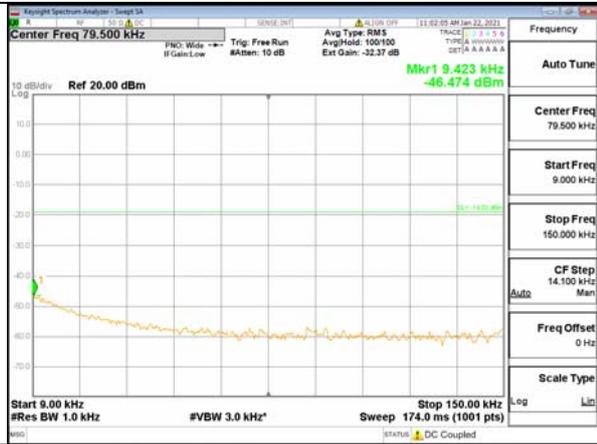


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (149) / (192)
 Pages

[64QAM]

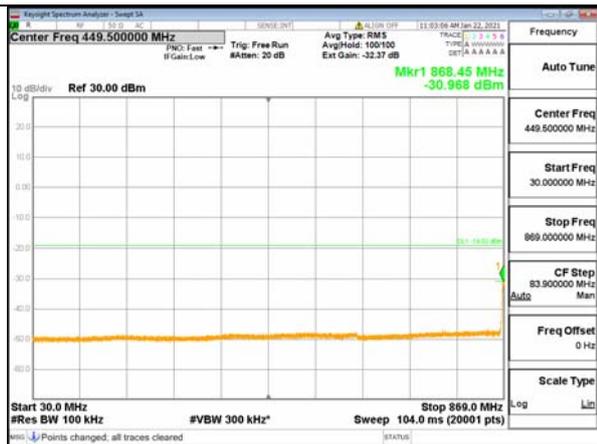
9 kHz - 150 kHz



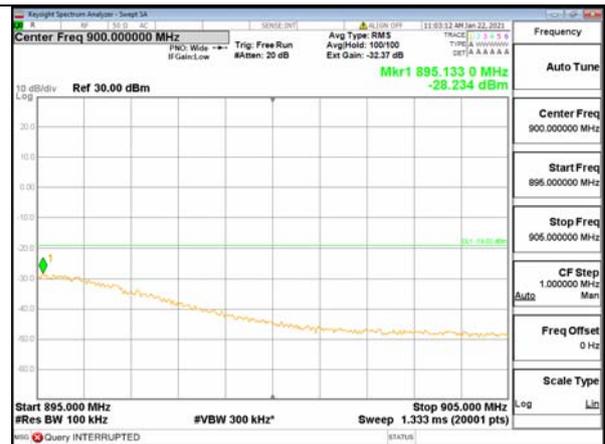
150 kHz - 30 MHz



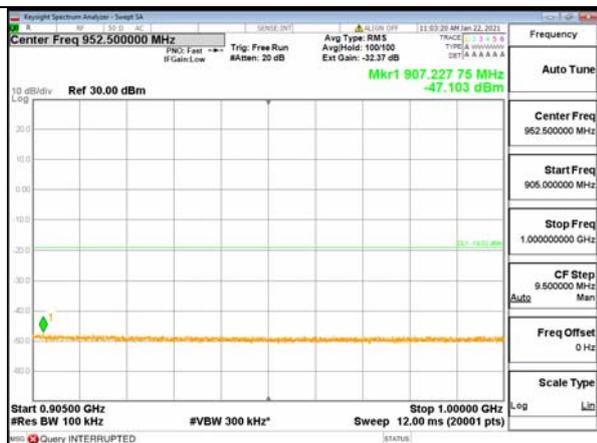
30 MHz - 869 MHz



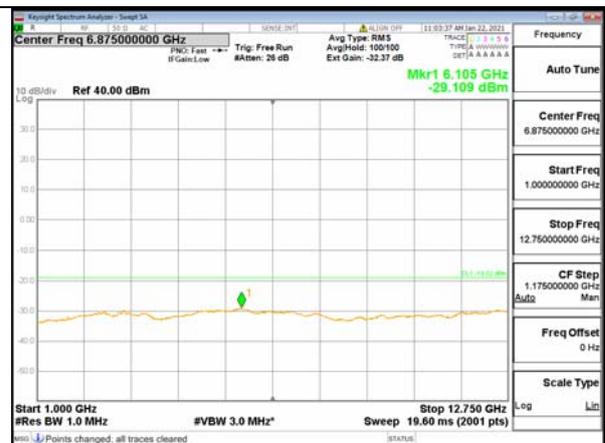
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz





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

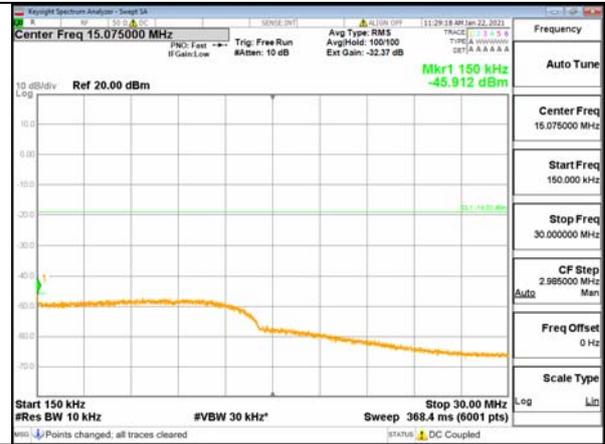
Report No.:
 CTK-2021-00289
 Page (150) / (192)
 Pages

[256QAM]

9 kHz - 150 kHz



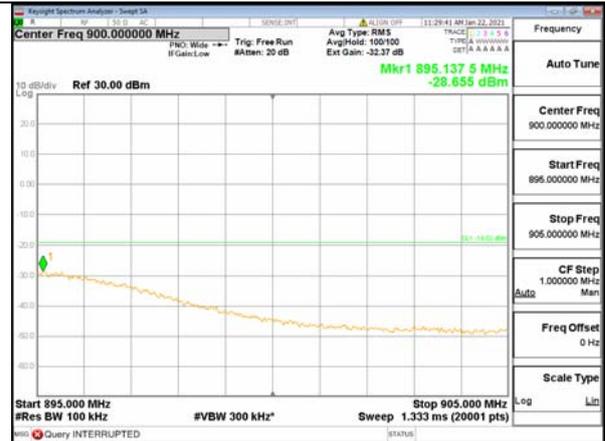
150 kHz - 30 MHz



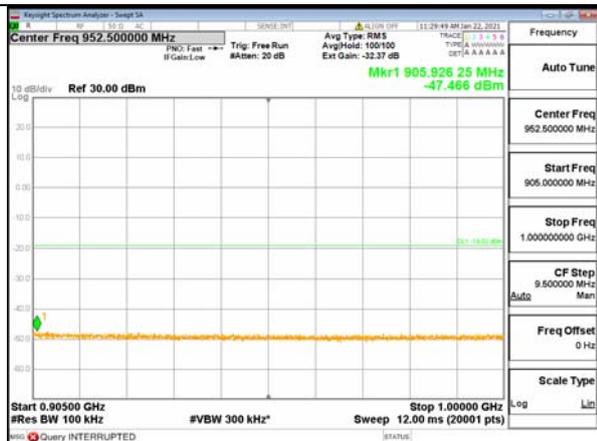
30 MHz - 869 MHz



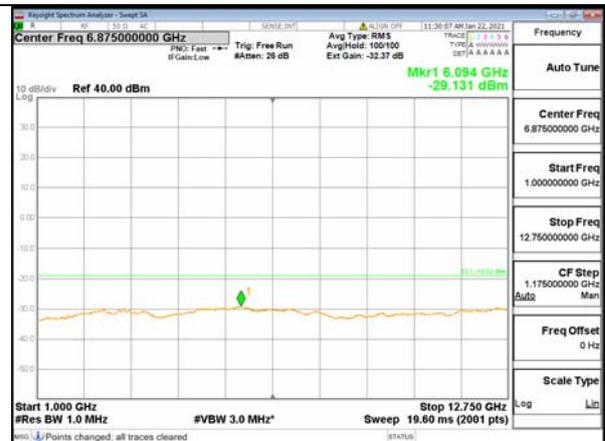
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz



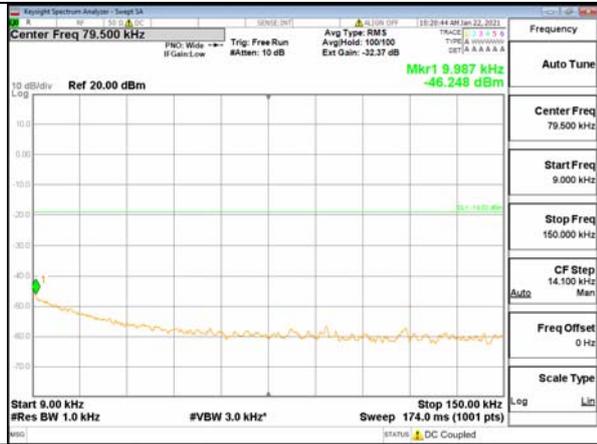


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (151) / (192)
 Pages

ANT 3
[QPSK]

9 kHz - 150 kHz



150 kHz - 30 MHz



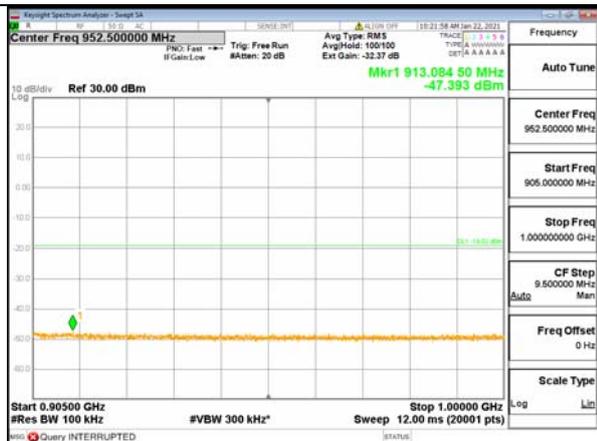
30 MHz - 869 MHz



895 MHz - 905 MHz



905 MHz - 1 GHz

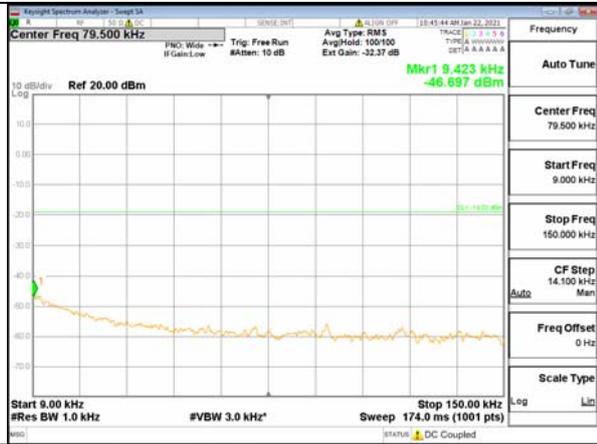


1 GHz - 12.75 GHz



[16QAM]

9 kHz - 150 kHz



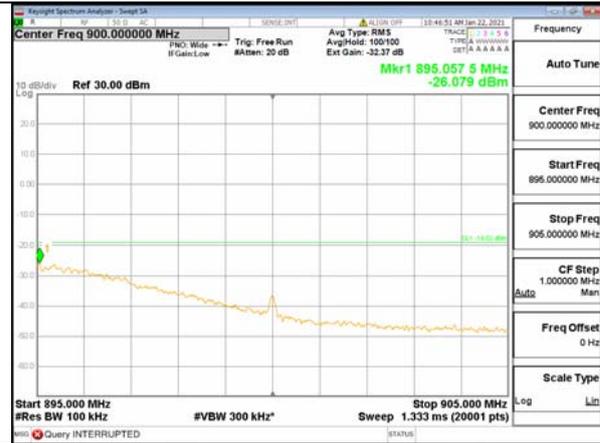
150 kHz - 30 MHz



30 MHz - 869 MHz



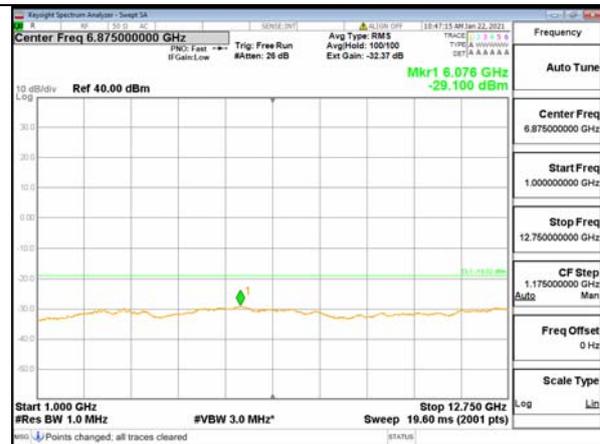
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz





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

Report No.:
 CTK-2021-00289
 Page (153) / (192)
 Pages

[64QAM]

9 kHz - 150 kHz



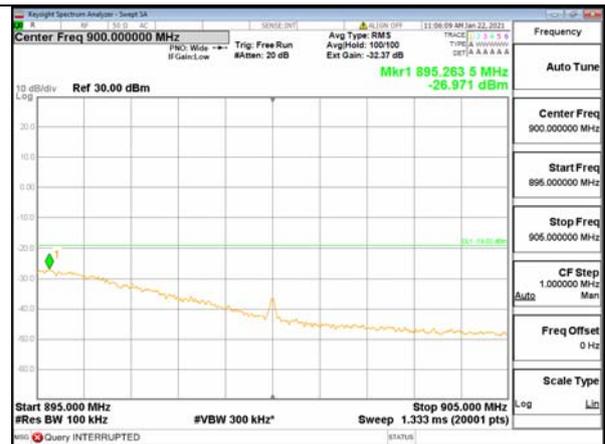
150 kHz - 30 MHz



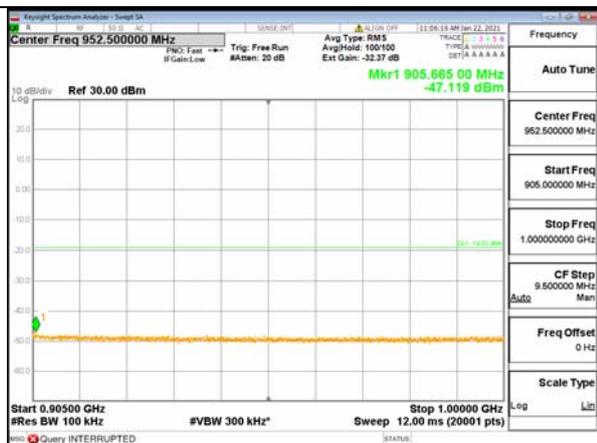
30 MHz - 869 MHz



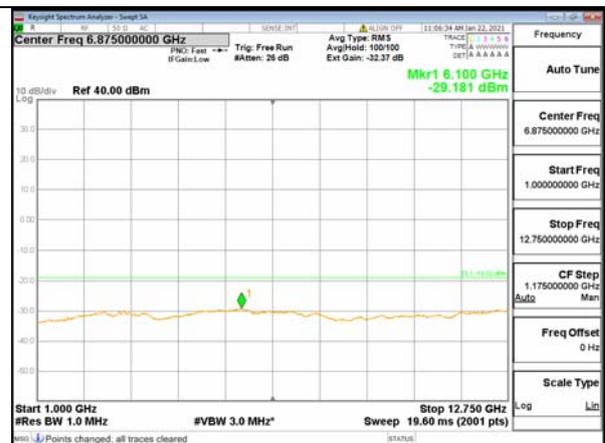
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz



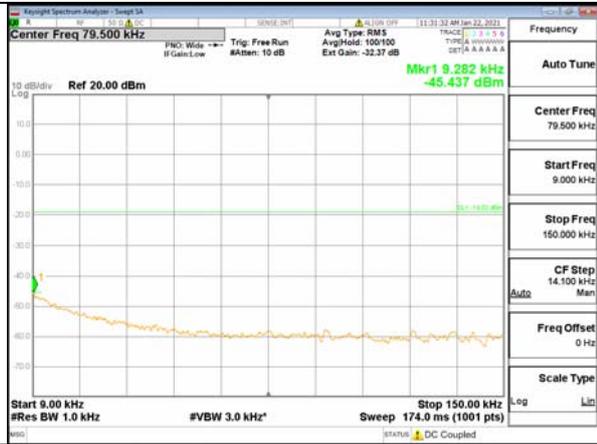


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (154) / (192)
 Pages

[256QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



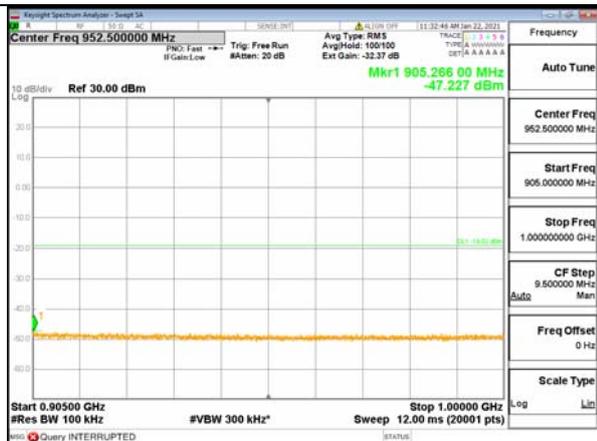
30 MHz - 869 MHz



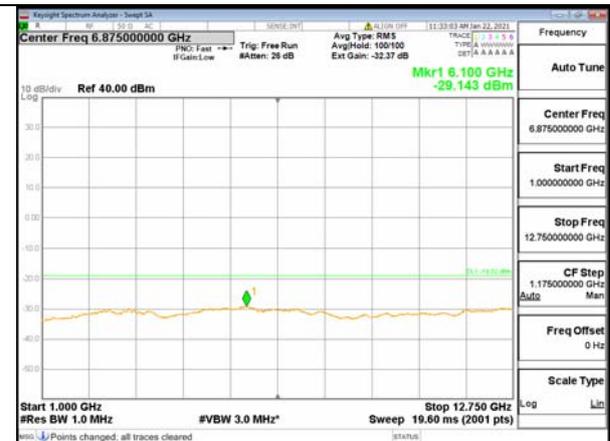
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz





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

Report No.:
 CTK-2021-00289
 Page (155) / (192)
 Pages

ANT 4
[QPSK]

9 kHz - 150 kHz



150 kHz - 30 MHz



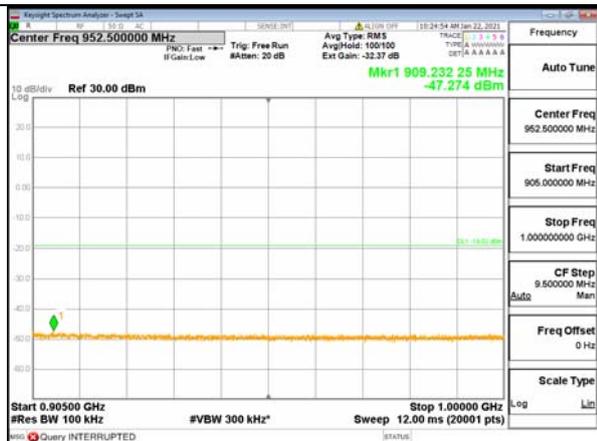
30 MHz - 869 MHz



895 MHz - 905 MHz



905 MHz - 1 GHz

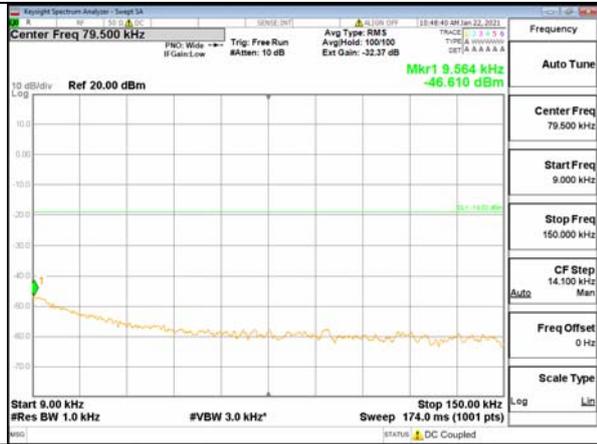


1 GHz - 12.75 GHz



[16QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



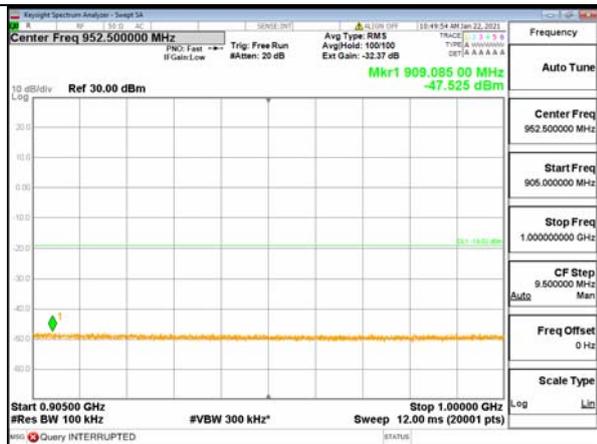
30 MHz - 869 MHz



895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz





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

Report No.:
 CTK-2021-00289
 Page (157) / (192)
 Pages

[64QAM]

9 kHz - 150 kHz



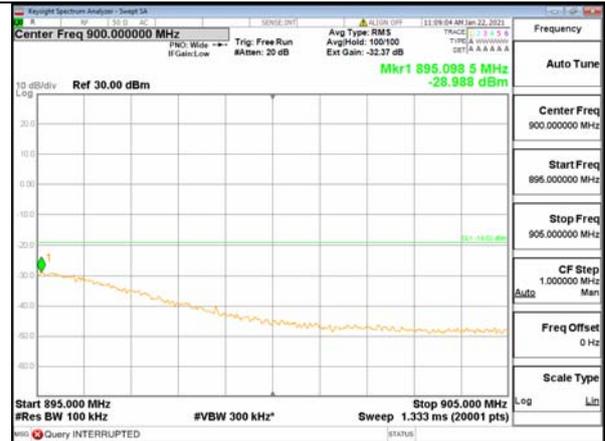
150 kHz - 30 MHz



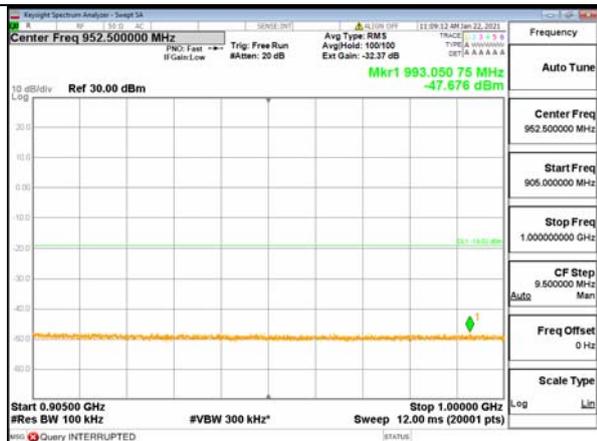
30 MHz - 869 MHz



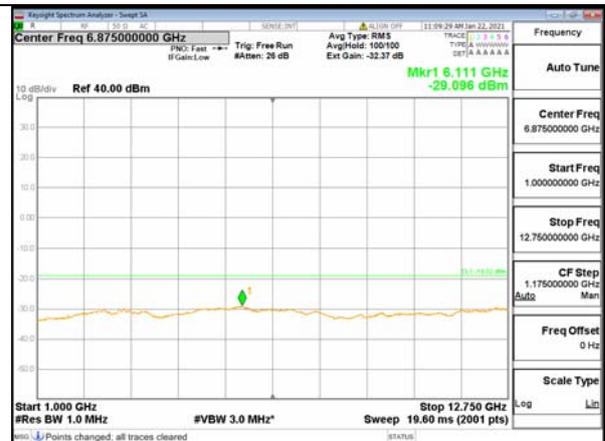
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz





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

Report No.:
 CTK-2021-00289
 Page (158) / (192)
 Pages

[256QAM]

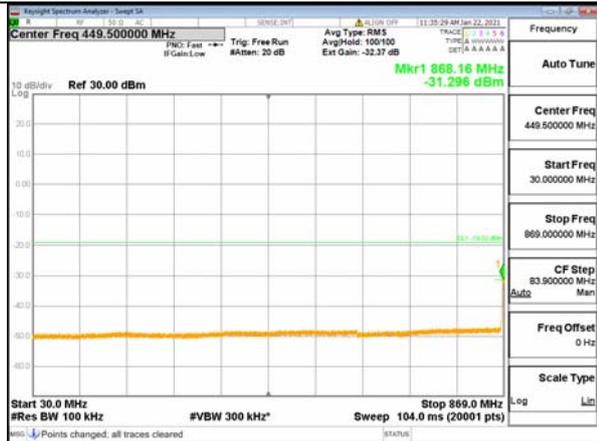
9 kHz - 150 kHz



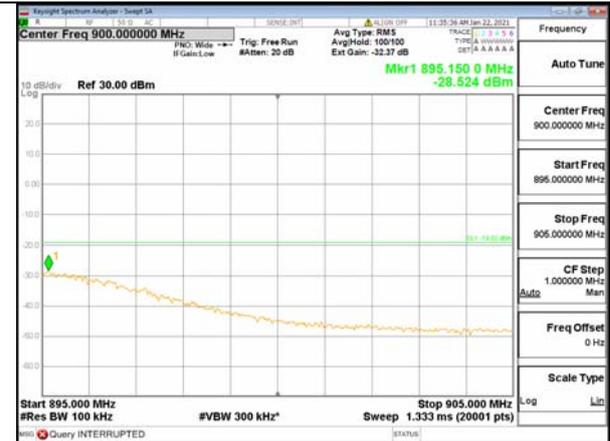
150 kHz - 30 MHz



30 MHz - 869 MHz



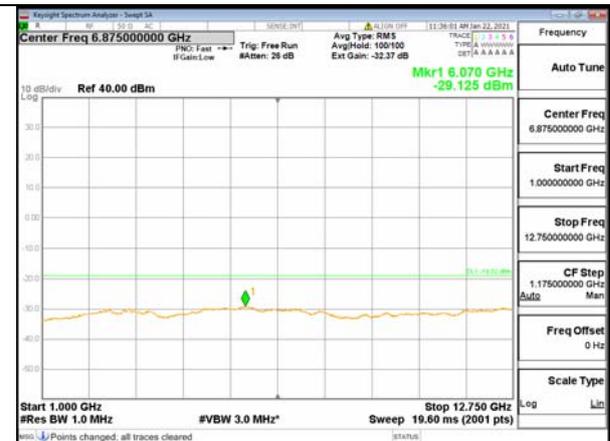
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz

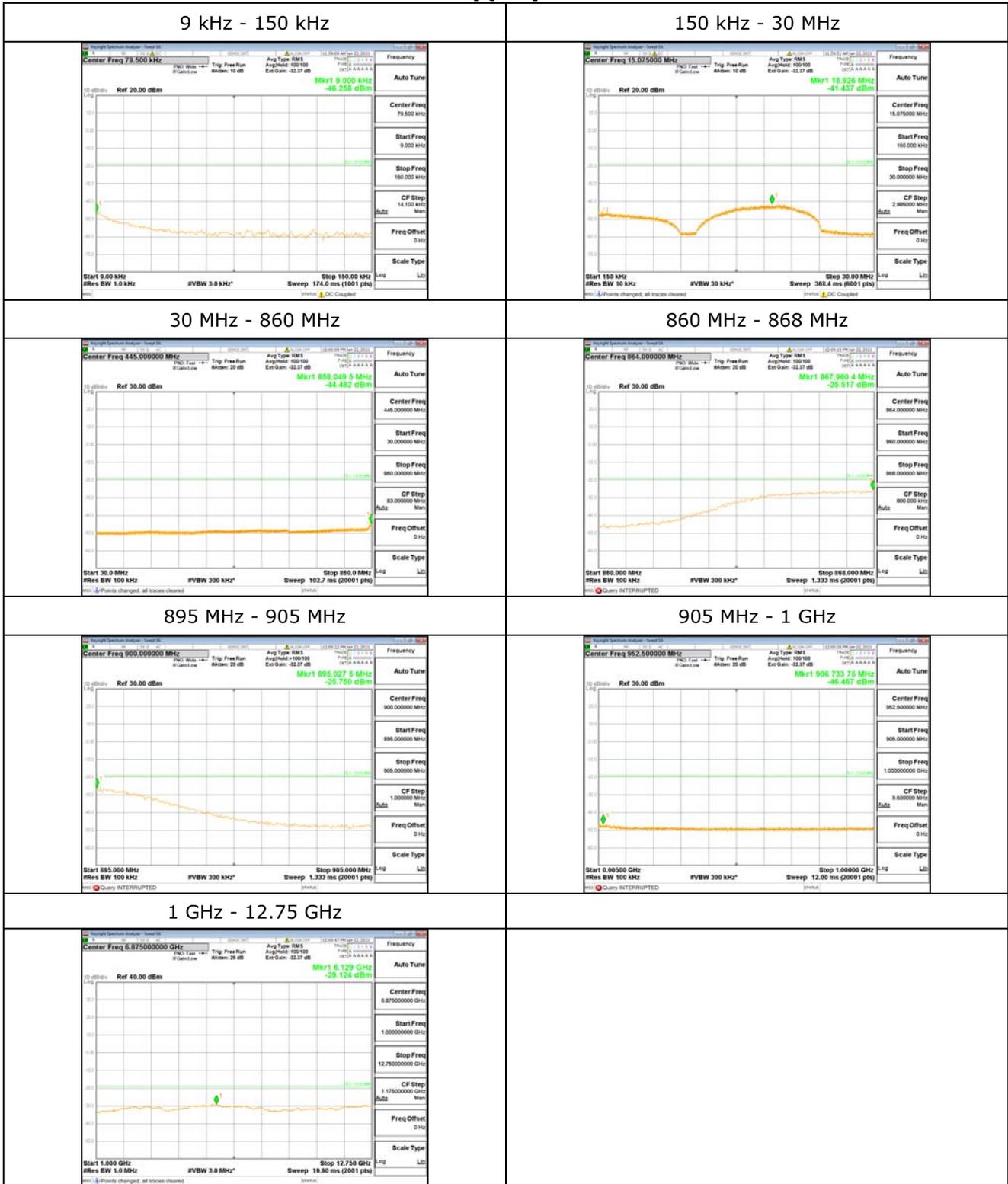




CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (159) / (192)
 Pages

**BW 10MHz+5MHz, Multi 2 carrier(Non-Contiguous), 4Tx, Bottom/Top
 ANT 1
 [QPSK]**



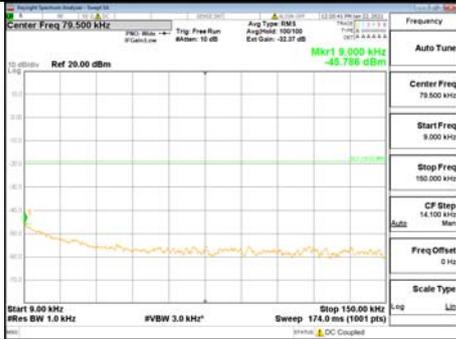


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (160) / (192)
 Pages

[16QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



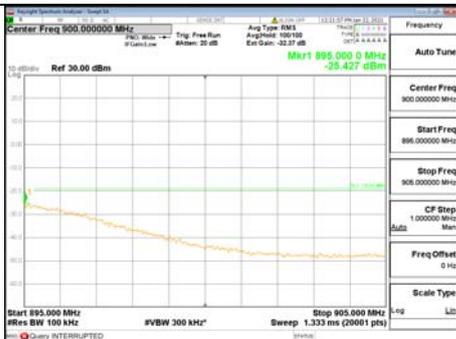
30 MHz - 860 MHz



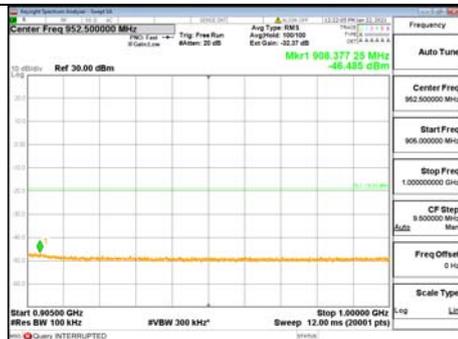
860 MHz - 868 MHz



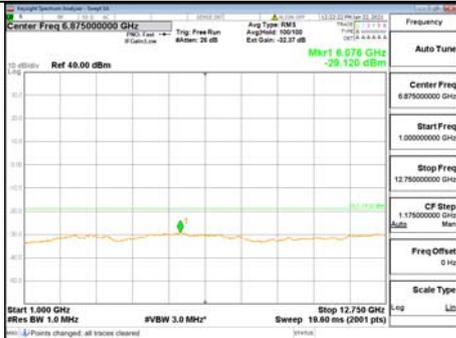
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz



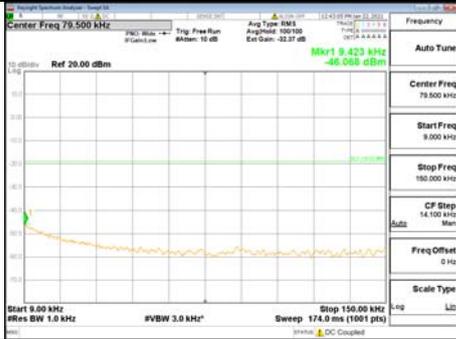


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (161) / (192)
 Pages

[64QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



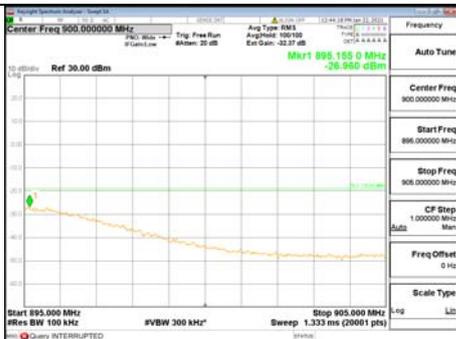
30 MHz - 860 MHz



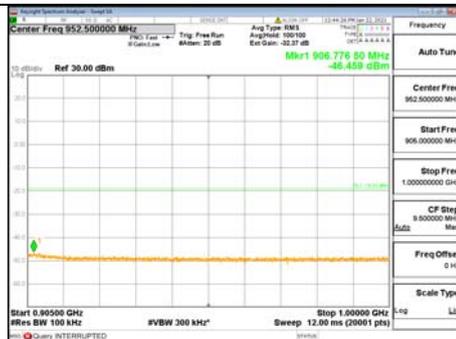
860 MHz - 868 MHz



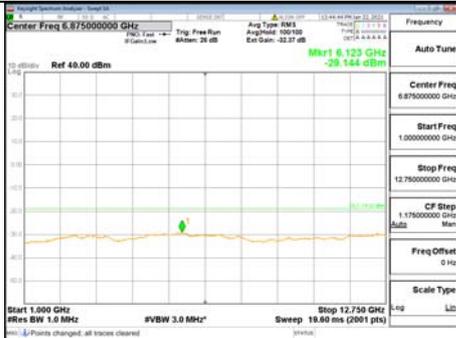
895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz



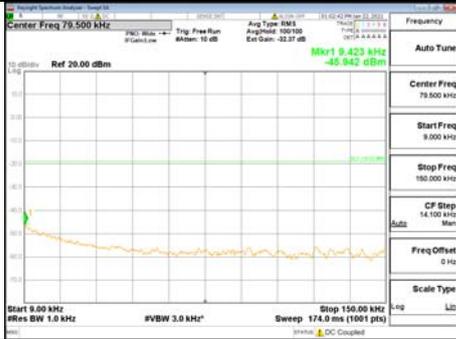


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2021-00289
 Page (162) / (192)
 Pages

[256QAM]

9 kHz - 150 kHz



150 kHz - 30 MHz



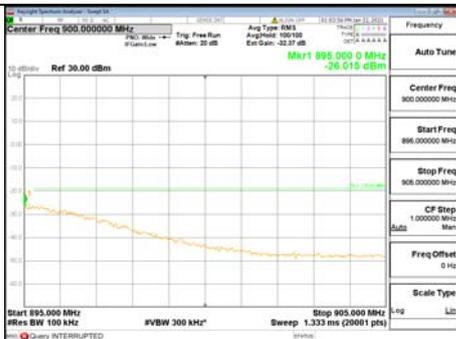
30 MHz - 860 MHz



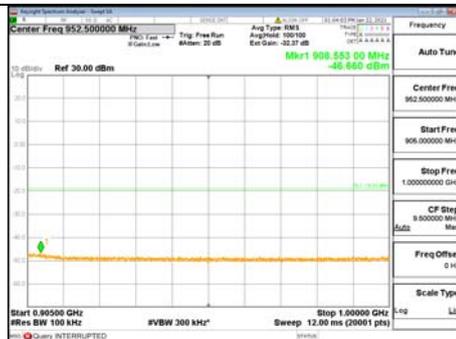
860 MHz - 868 MHz



895 MHz - 905 MHz



905 MHz - 1 GHz



1 GHz - 12.75 GHz

