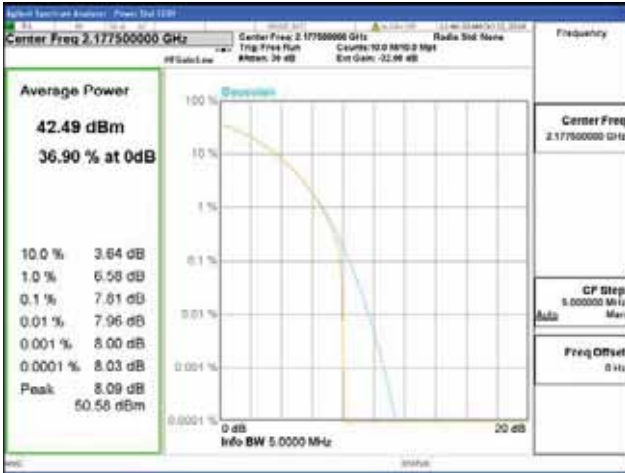


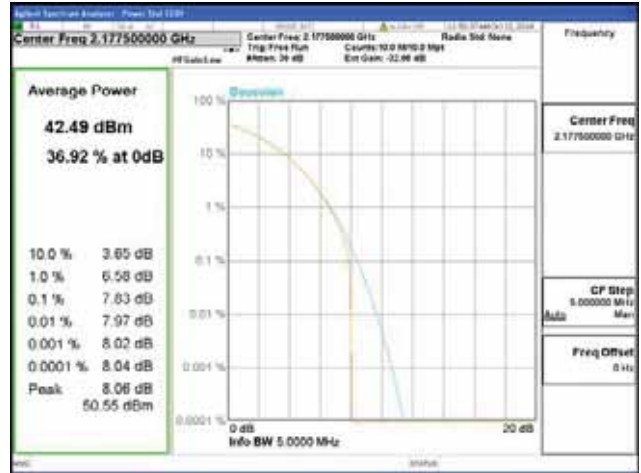


Band 66, BW 5MHz, Single carrier, 4TX Top

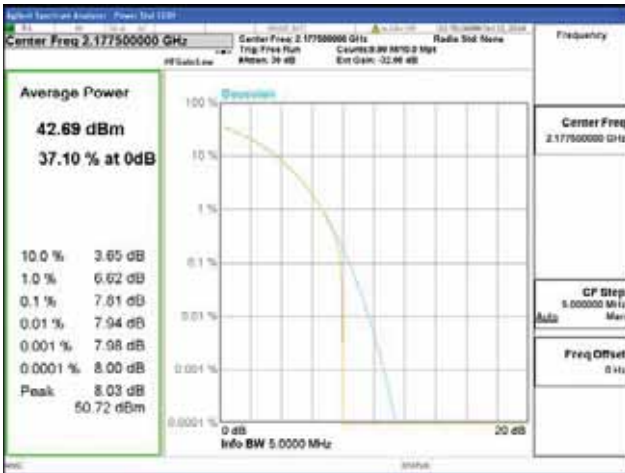
QPSK



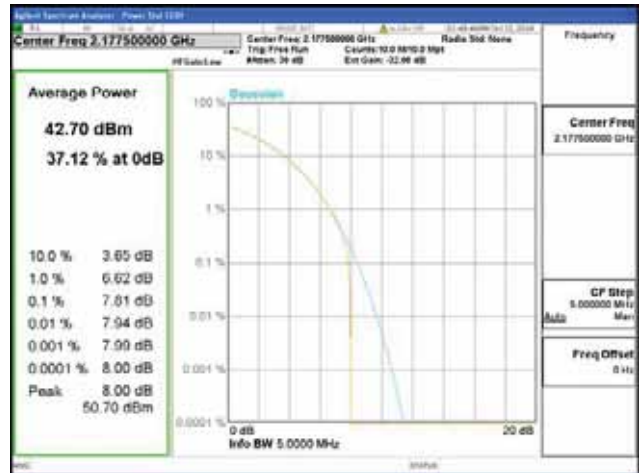
16QAM



64QAM



256QAM





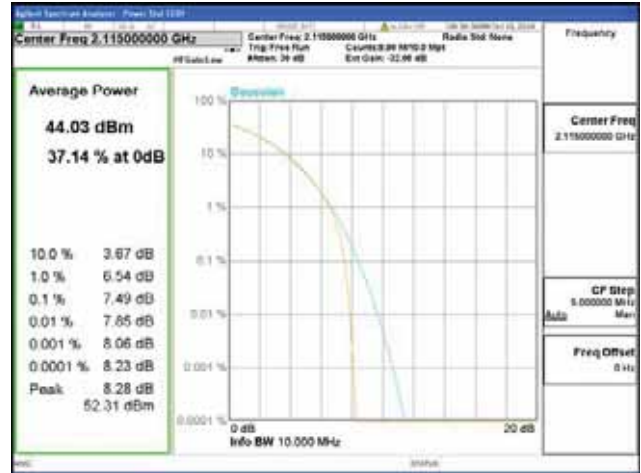
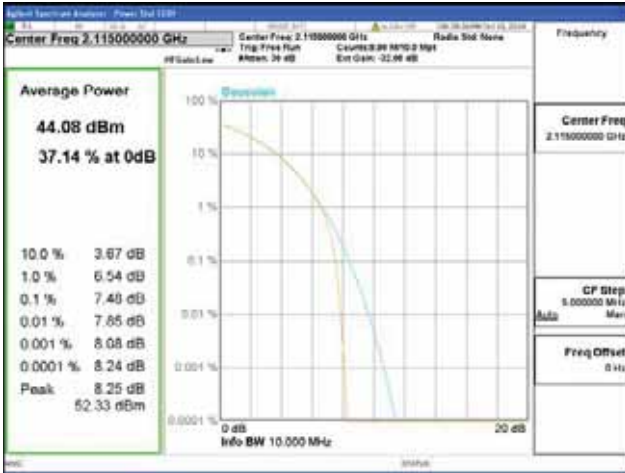
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (317) / (2957)
 Pages

ANT 1
Band 66, BW 10MHz, Single carrier, 4TX, Bottom

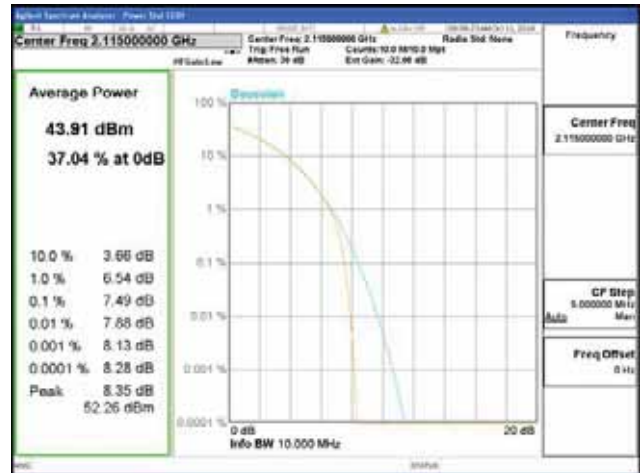
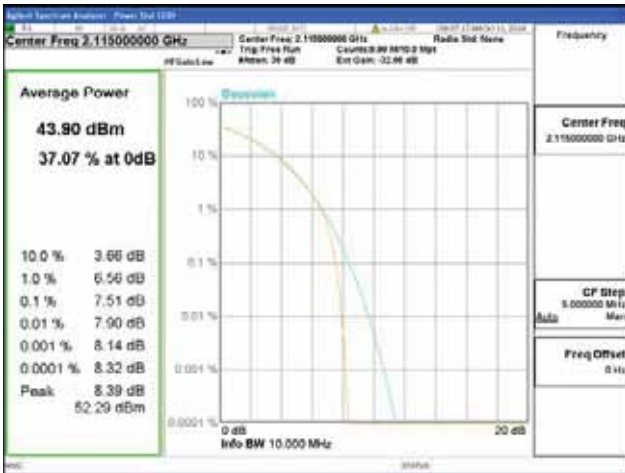
QPSK

16QAM



64QAM

256QAM



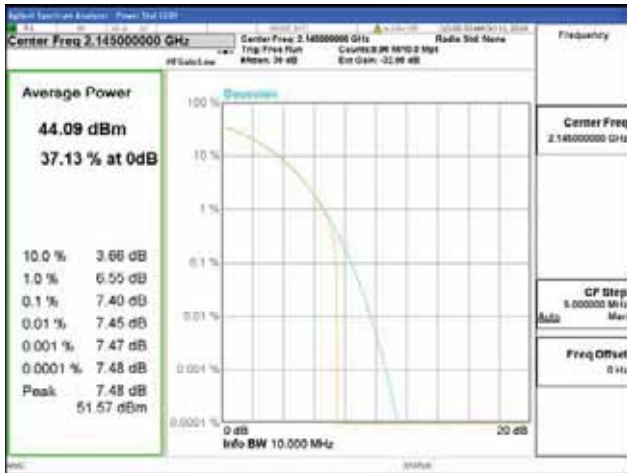


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

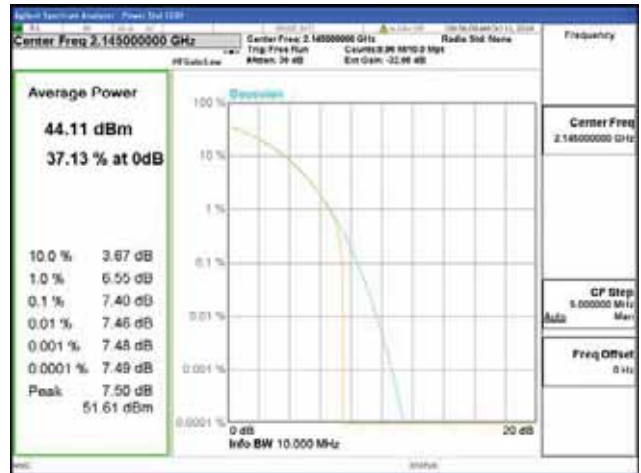
Report No.:
 CTK-2018-03329
 Page (318) / (2957)
 Pages

Band 66, BW 10MHz, Single carrier, 4TX, Middle

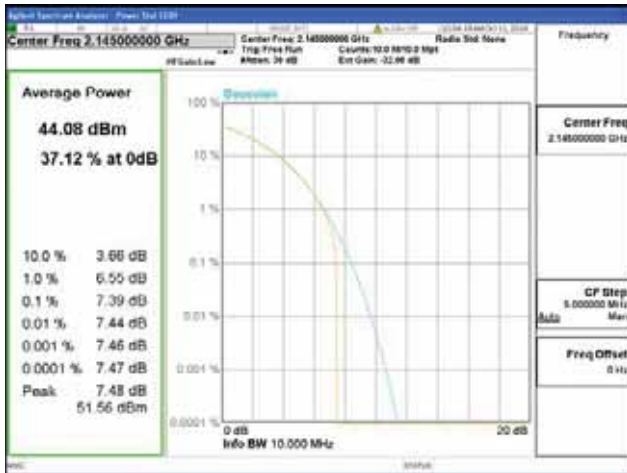
QPSK



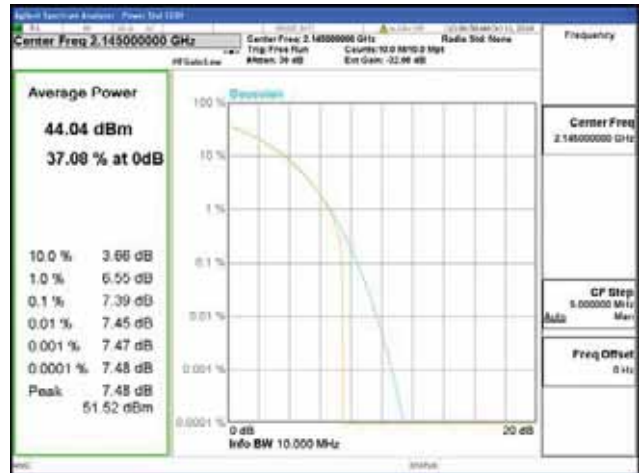
16QAM



64QAM



256QAM





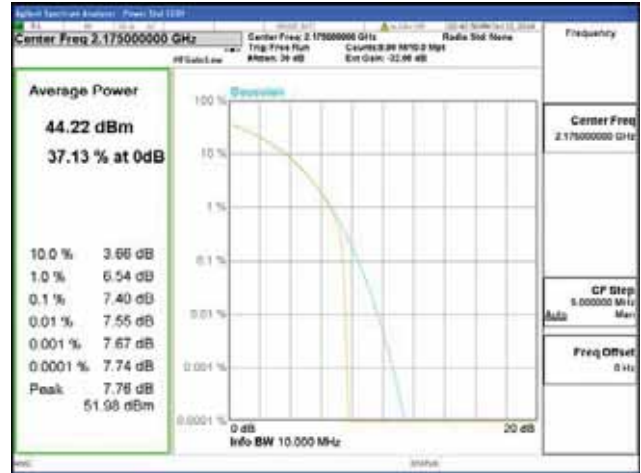
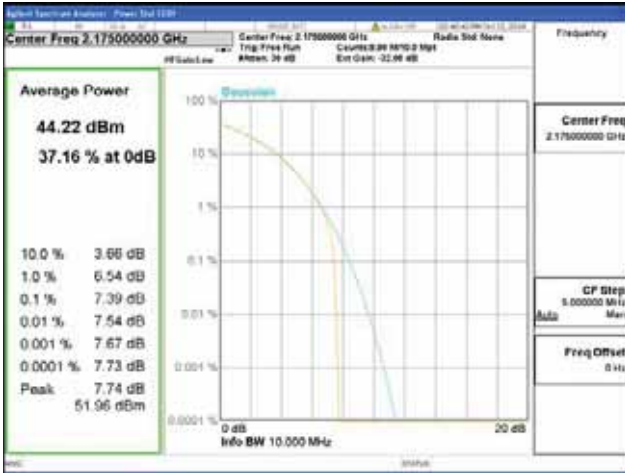
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (319) / (2957)
 Pages

Band 66, BW 10MHz, Single carrier, 4TX, Top

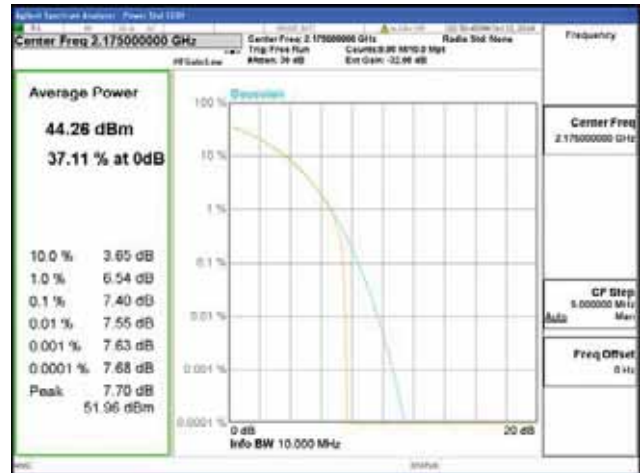
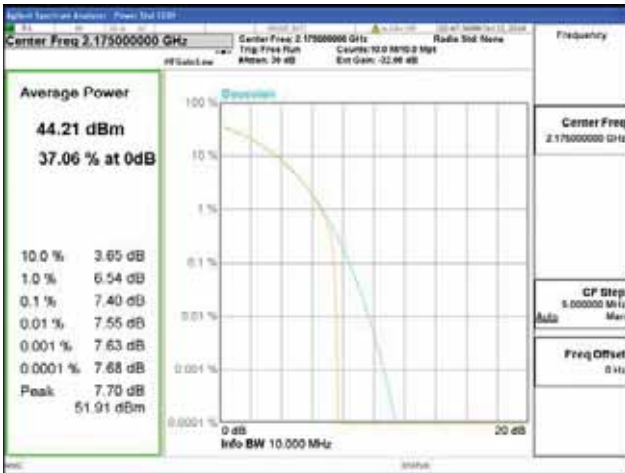
QPSK

16QAM



64QAM

256QAM



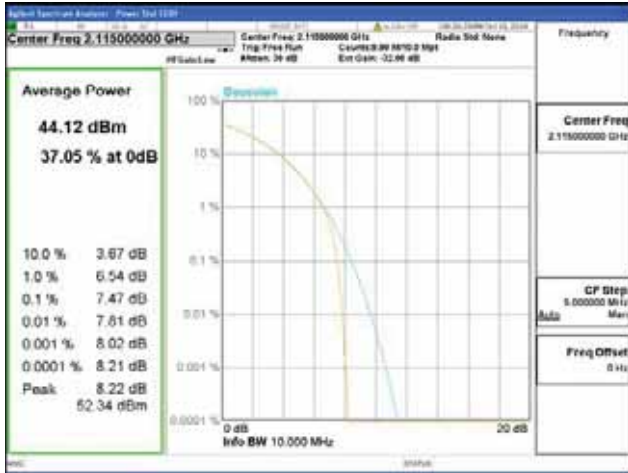


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

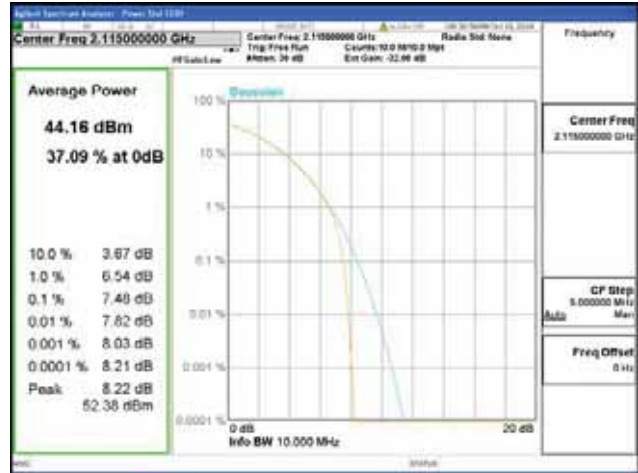
Report No.:
 CTK-2018-03329
 Page (320) / (2957)
 Pages

ANT 2
Band 66, BW 10MHz, Single carrier, 4TX, Bottom

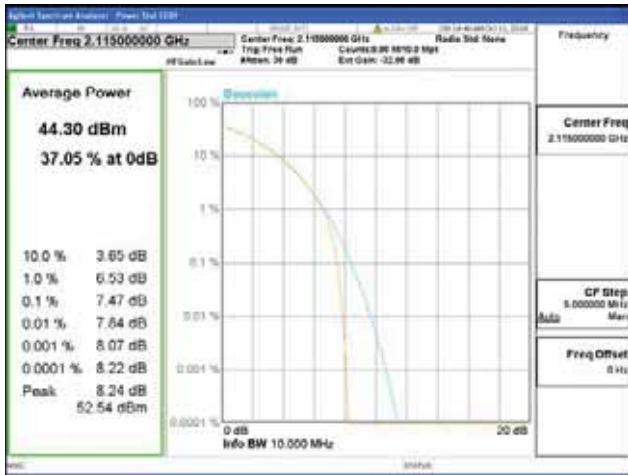
QPSK



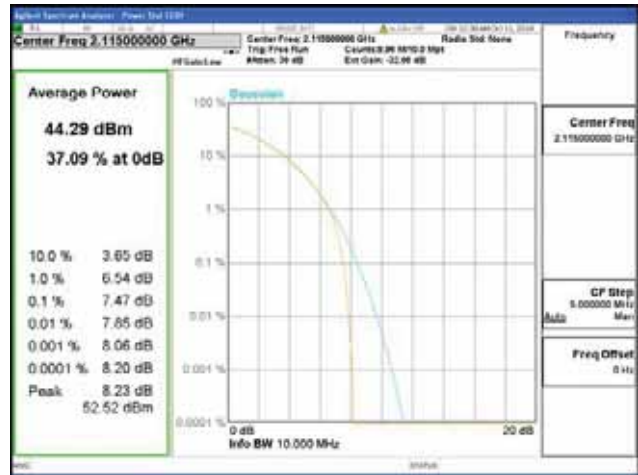
16QAM



64QAM



256QAM



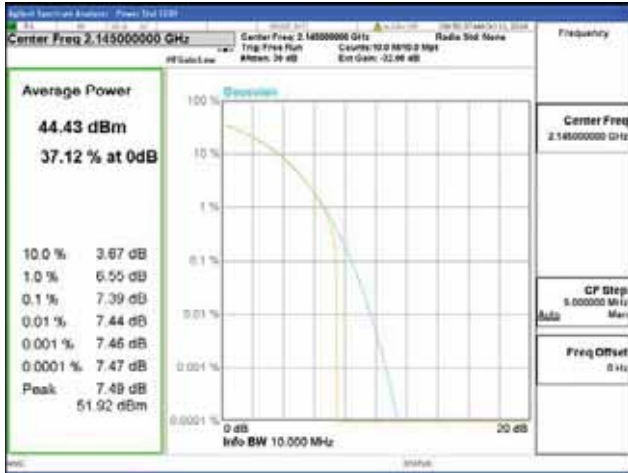


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

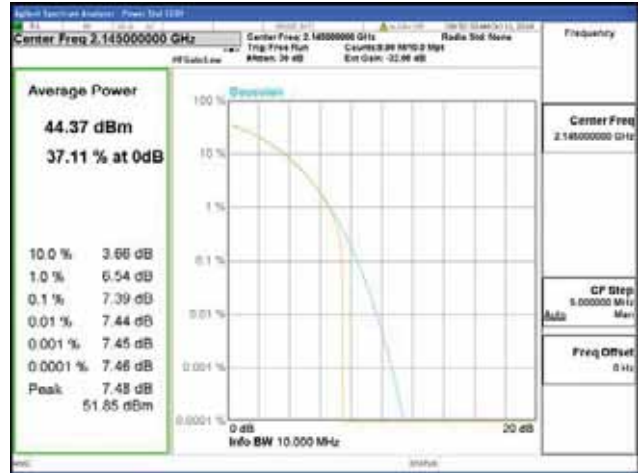
Report No.:
 CTK-2018-03329
 Page (321) / (2957)
 Pages

Band 66, BW 10MHz, Single carrier, 4TX, Middle

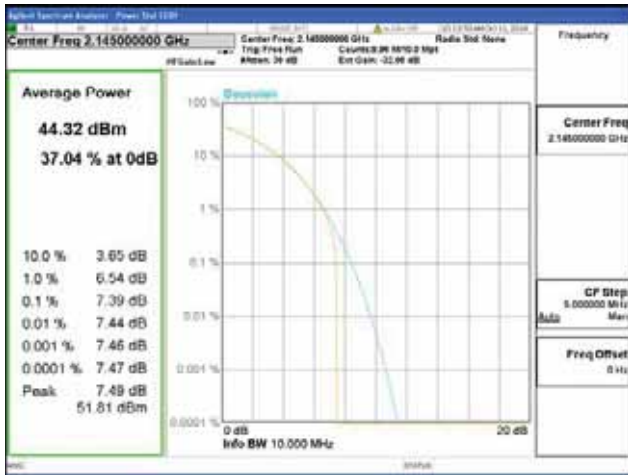
QPSK



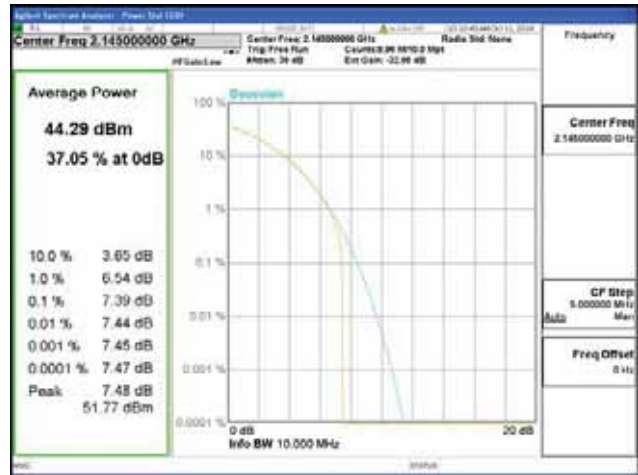
16QAM



64QAM



256QAM





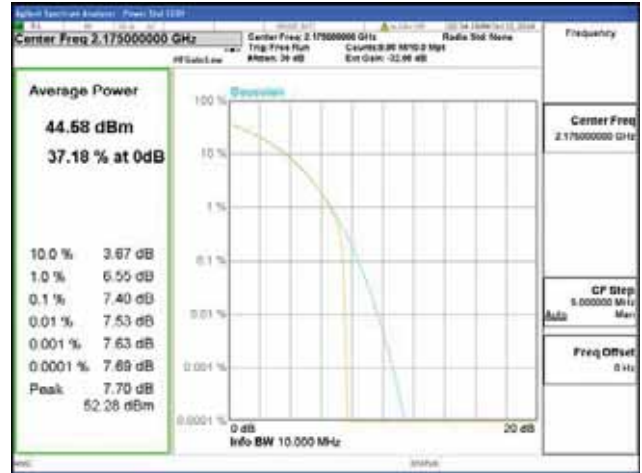
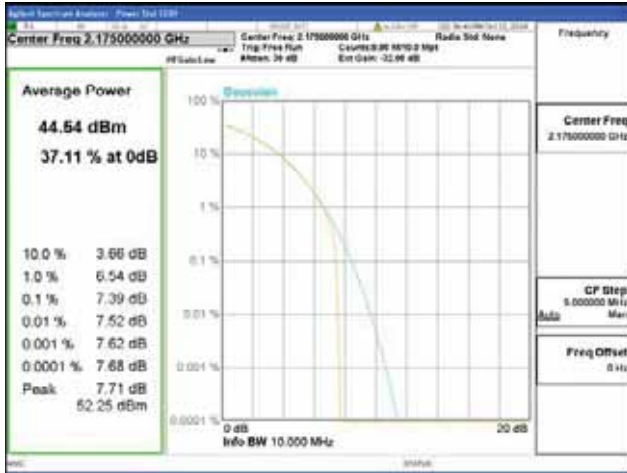
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (322) / (2957)
 Pages

Band 66, BW 10MHz, Single carrier, 4TX, Top

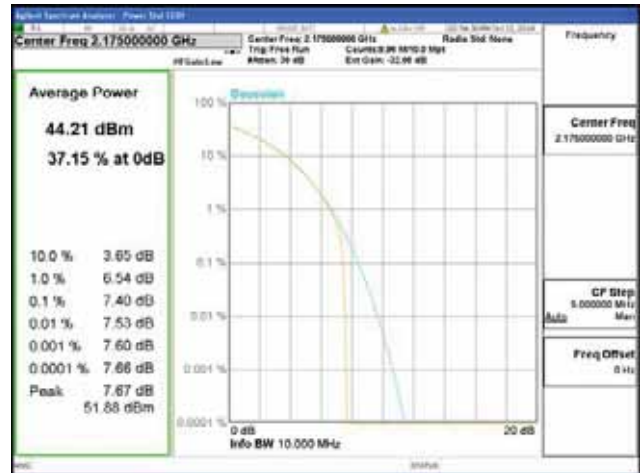
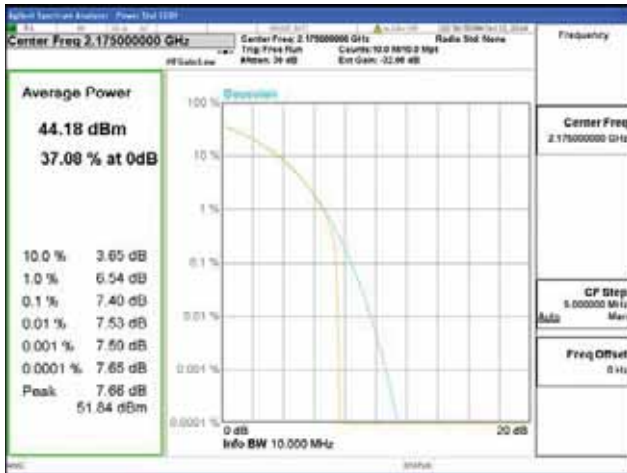
QPSK

16QAM



64QAM

256QAM





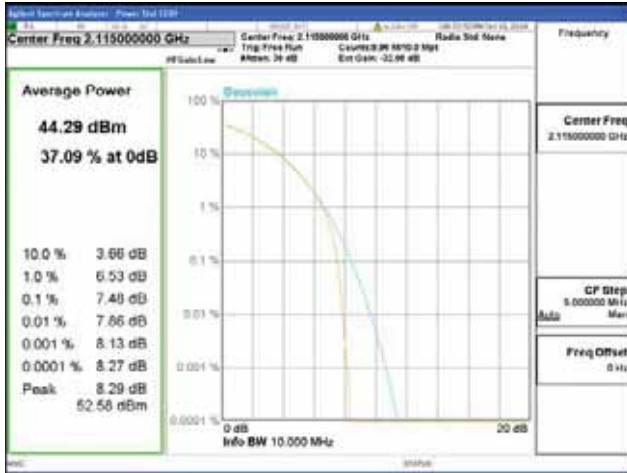
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (323) / (2957)
 Pages

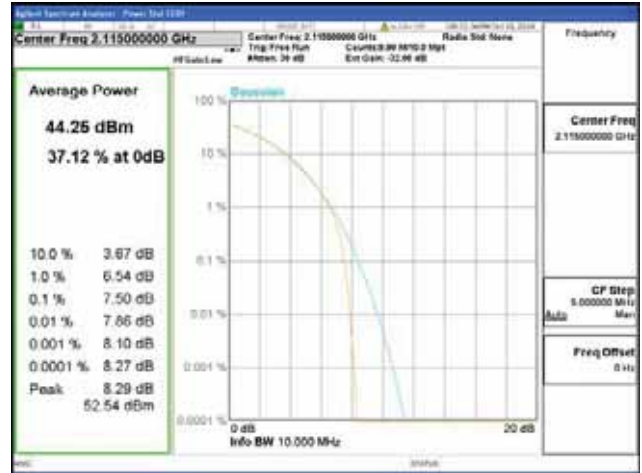
ANT 3

Band 66, BW 10MHz, Single carrier, 4TX, Bottom

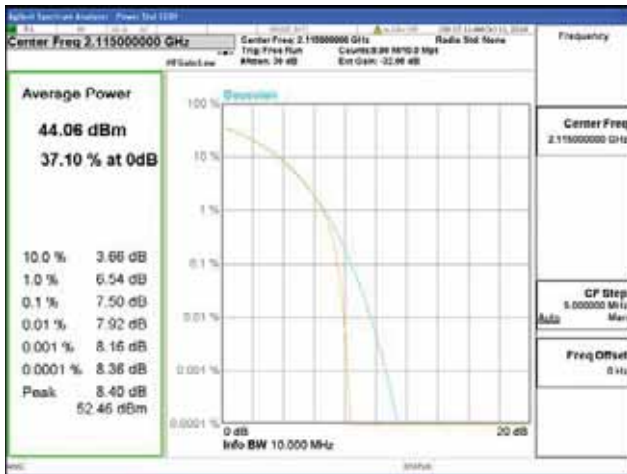
QPSK



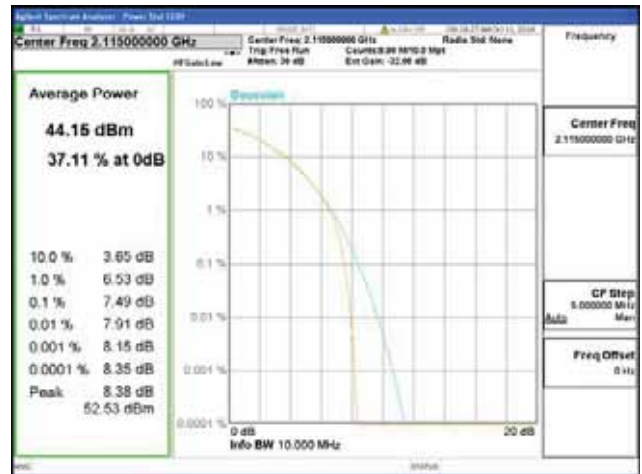
16QAM



64QAM



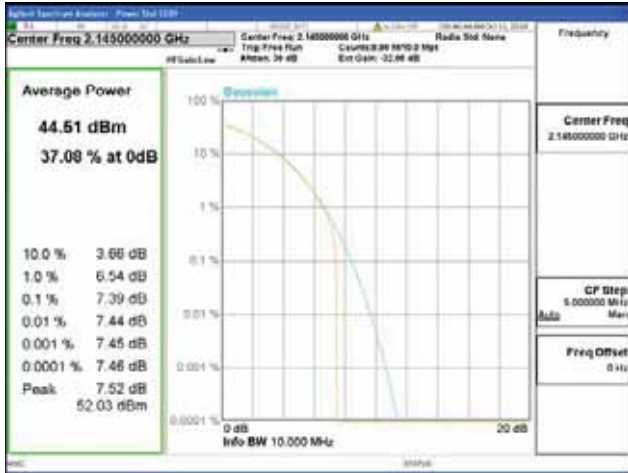
256QAM



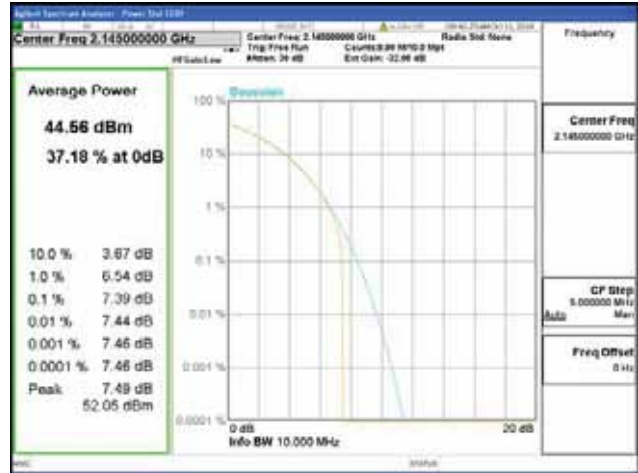


Band 66, BW 10MHz, Single carrier, 4TX, Middle

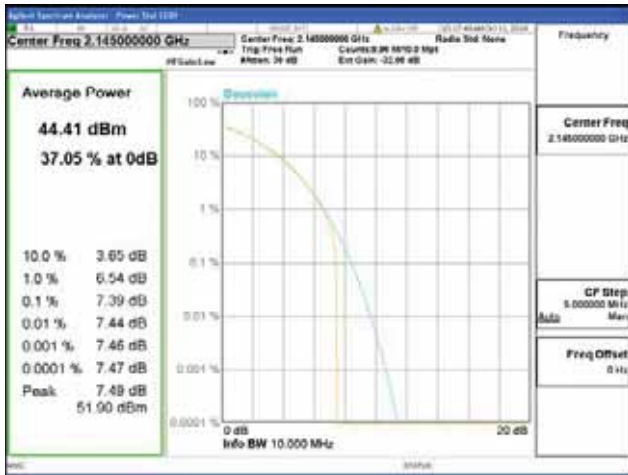
QPSK



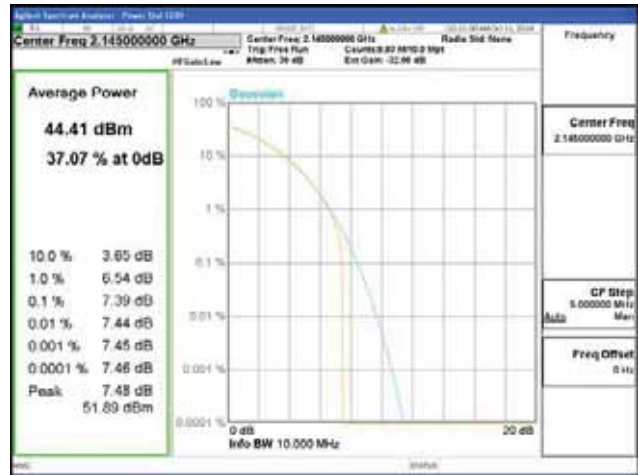
16QAM



64QAM



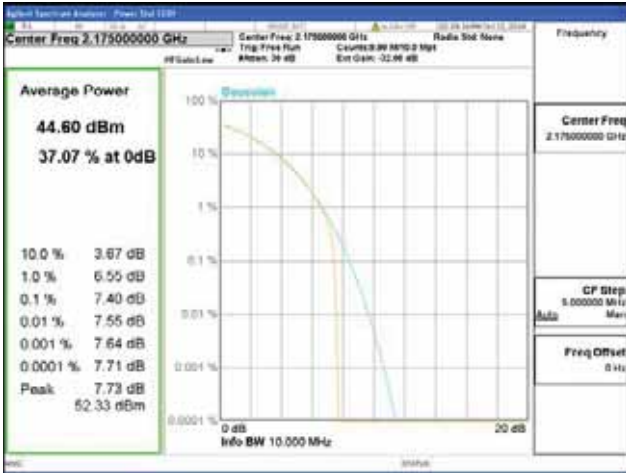
256QAM



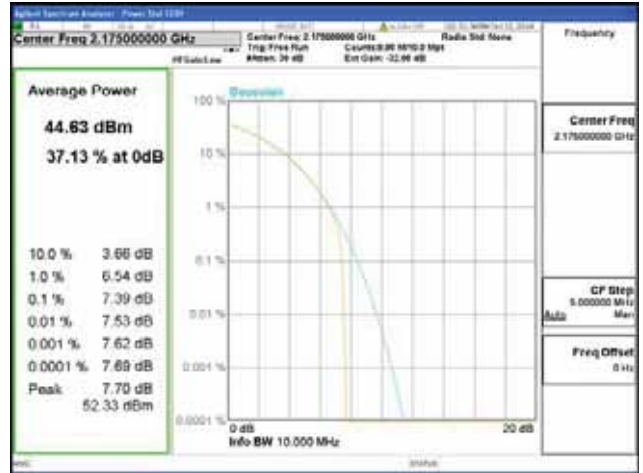


Band 66, BW 10MHz, Single carrier, 4TX, Top

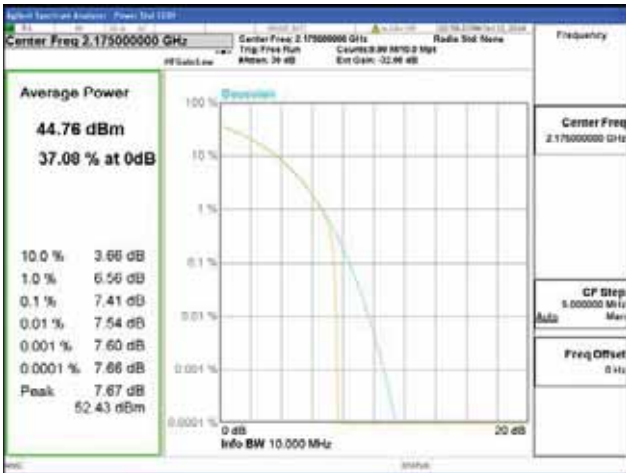
QPSK



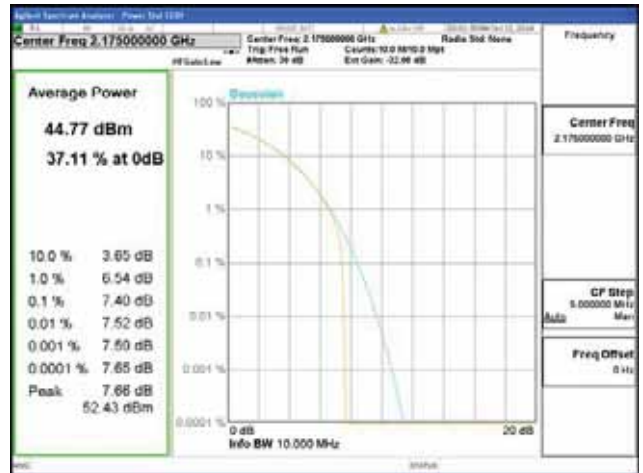
16QAM



64QAM



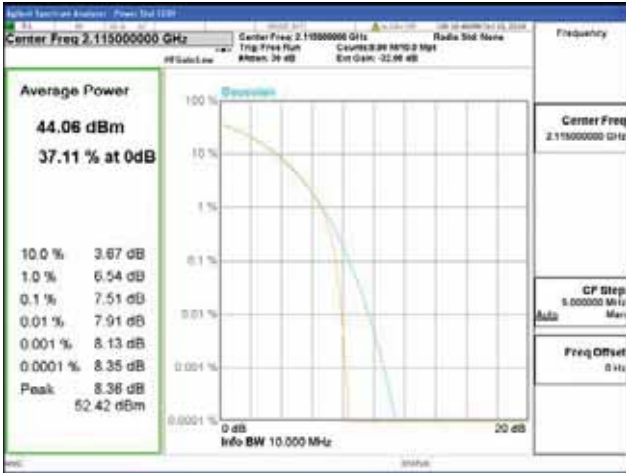
256QAM



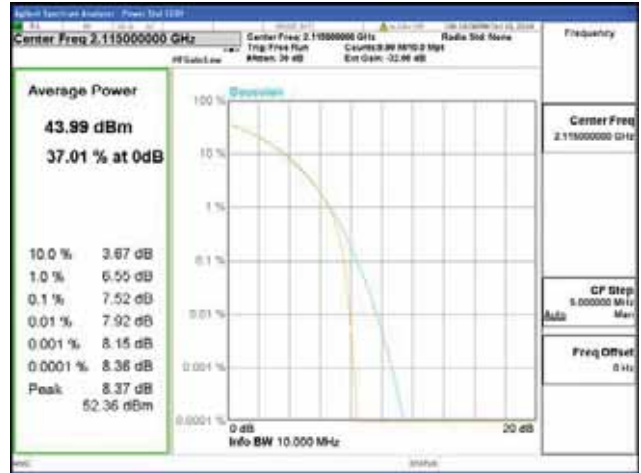


ANT 4
Band 66, BW 10MHz, Single carrier, 4TX, Bottom

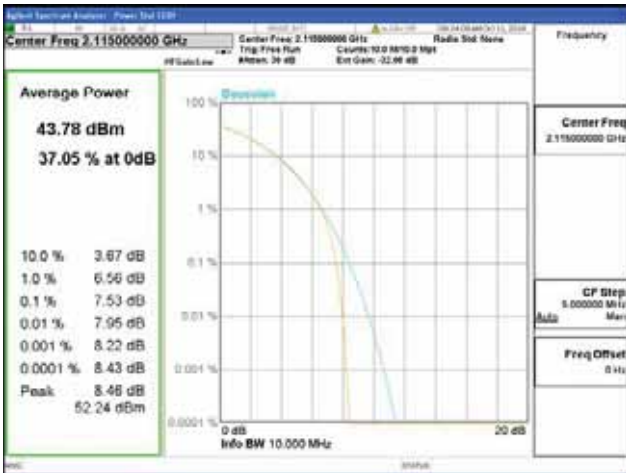
QPSK



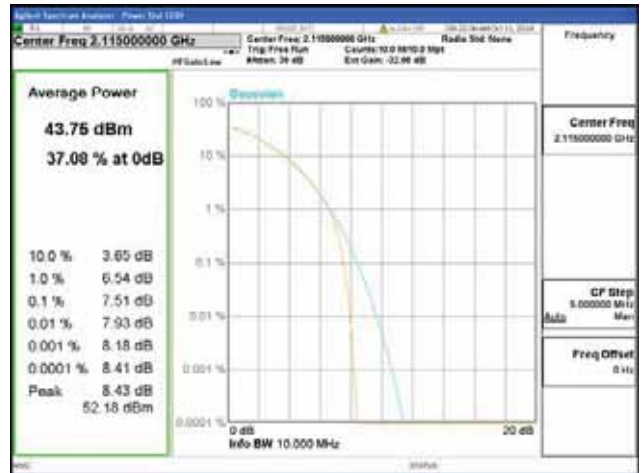
16QAM



64QAM



256QAM





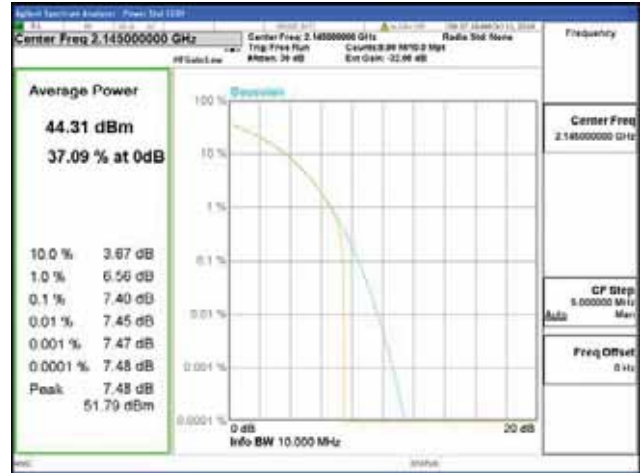
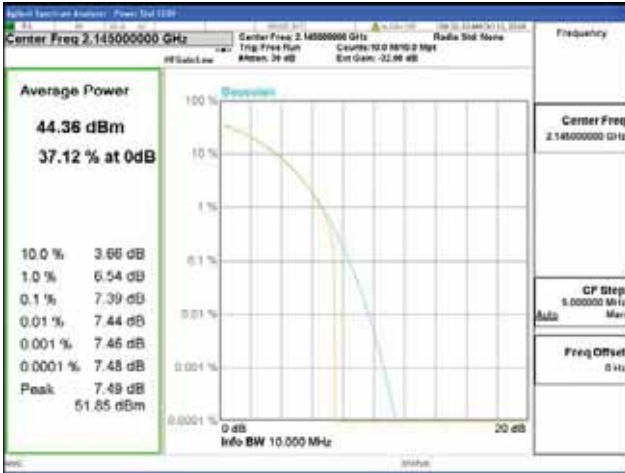
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (327) / (2957)
 Pages

Band 66, BW 10MHz, Single carrier, 4TX, Middle

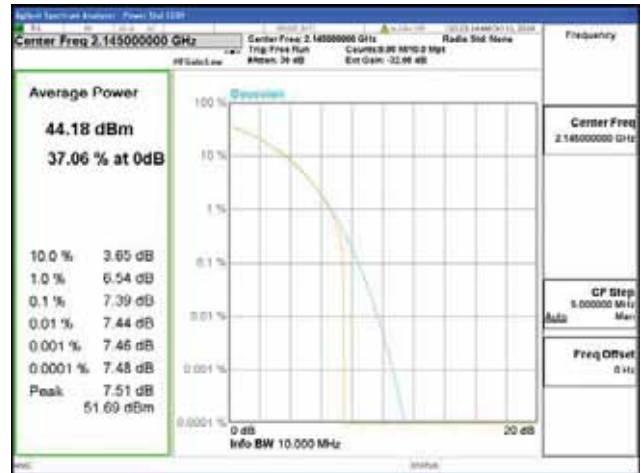
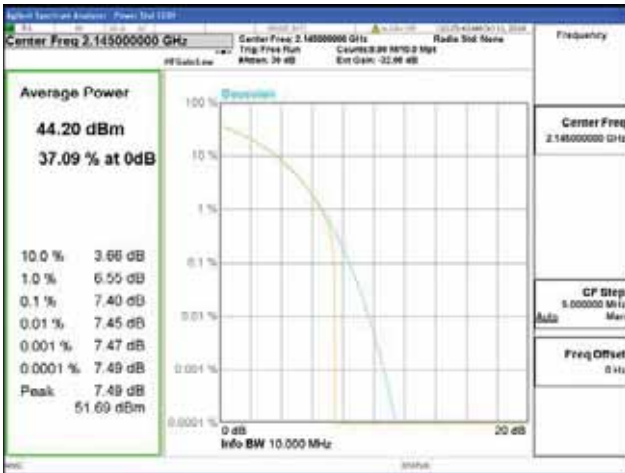
QPSK

16QAM



64QAM

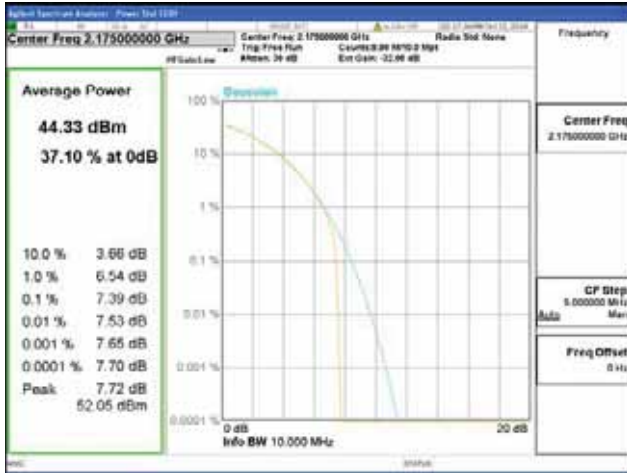
256QAM



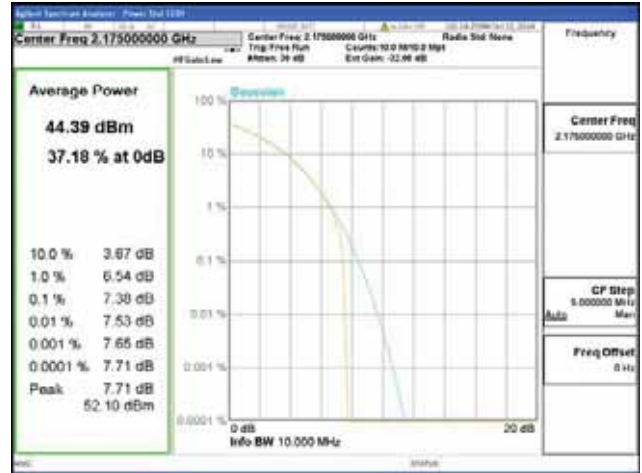


Band 66, BW 10MHz, Single carrier, 4TX, Top

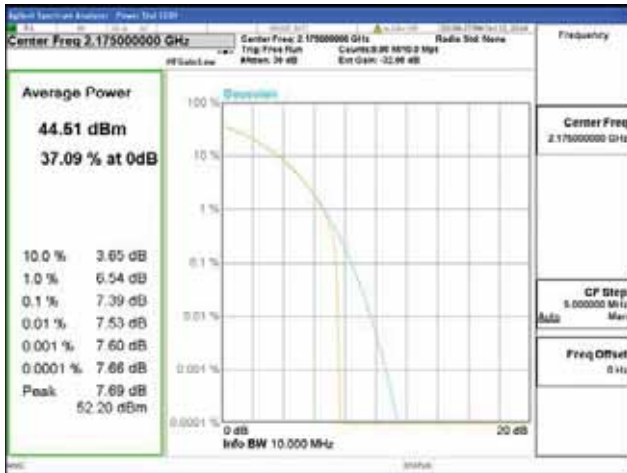
QPSK



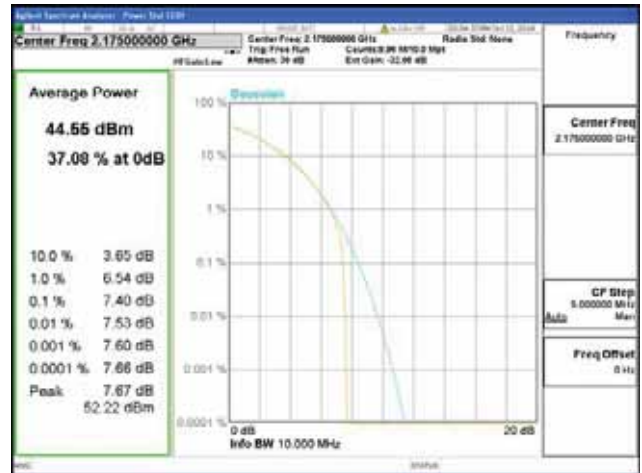
16QAM



64QAM



256QAM



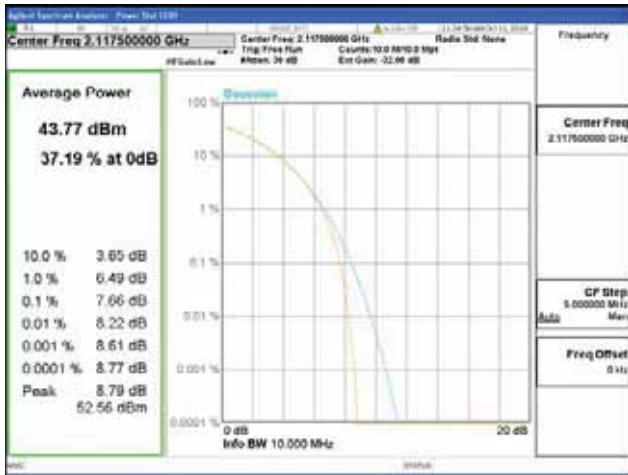


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

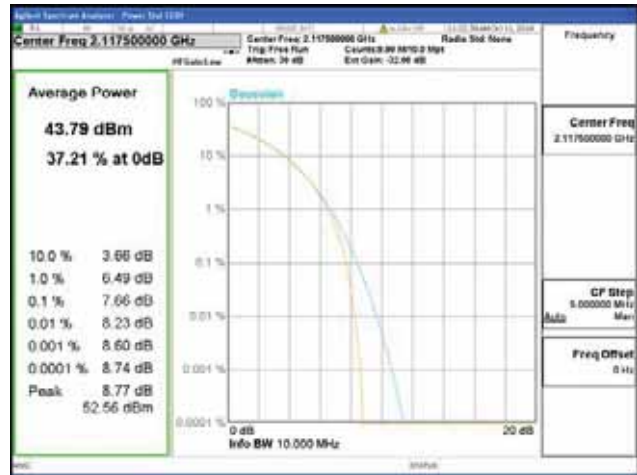
Report No.:
 CTK-2018-03329
 Page (329) / (2957)
 Pages

ANT 1
Band 66, BW 15MHz, Single carrier, 4TX, Bottom

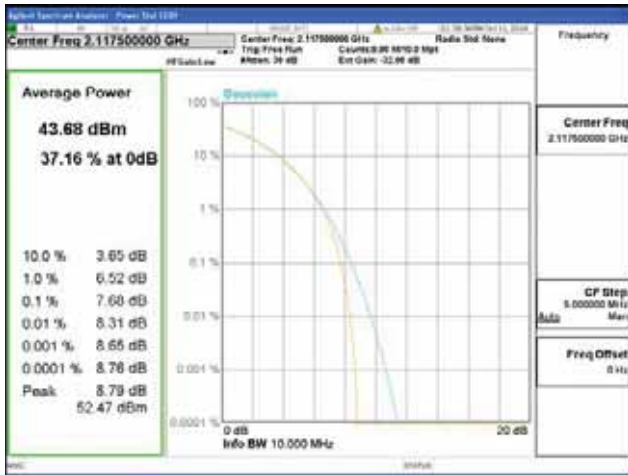
QPSK



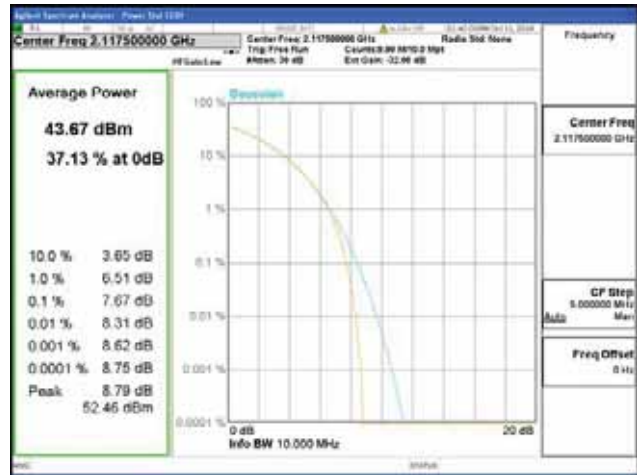
16QAM



64QAM



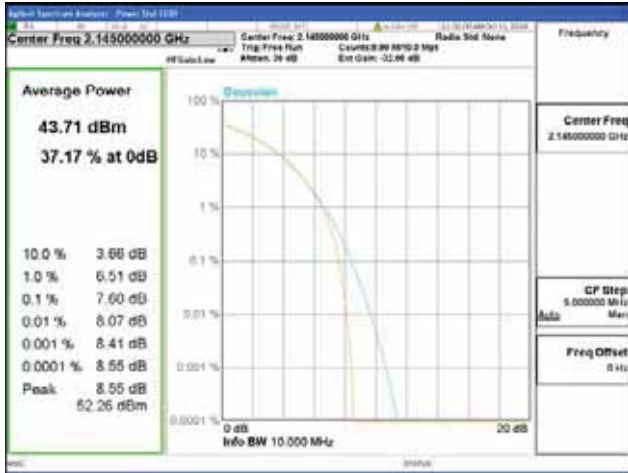
256QAM



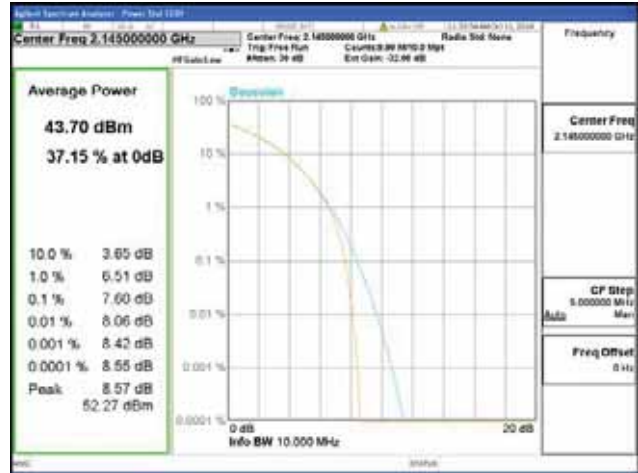


Band 66, BW 15MHz, Single carrier, 4TX, Middle

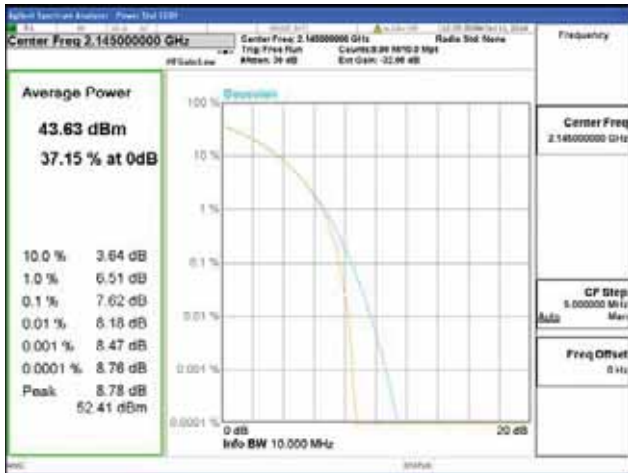
QPSK



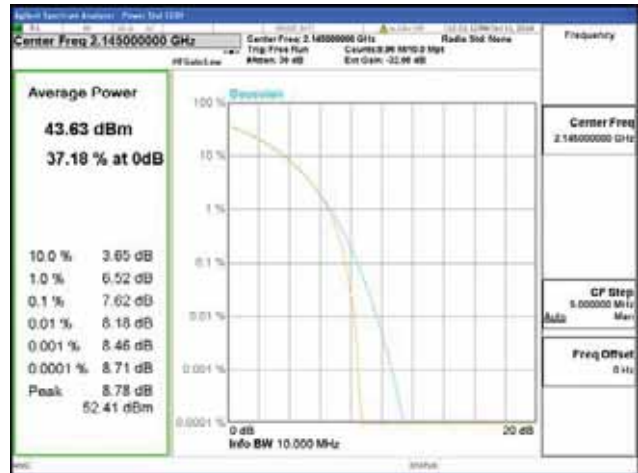
16QAM



64QAM



256QAM



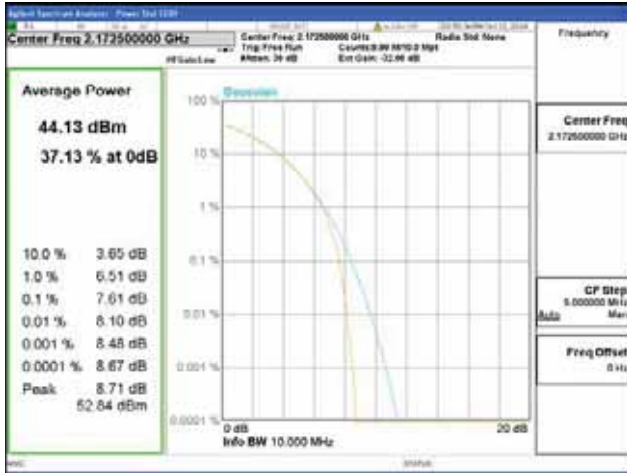


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

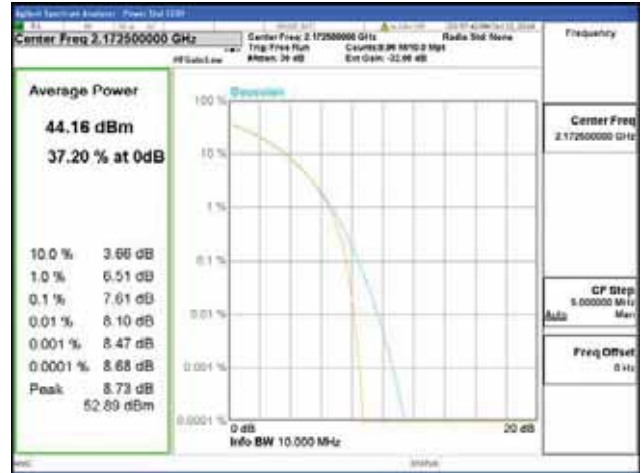
Report No.:
 CTK-2018-03329
 Page (331) / (2957)
 Pages

Band 66, BW 15MHz, Single carrier, 4TX, Top

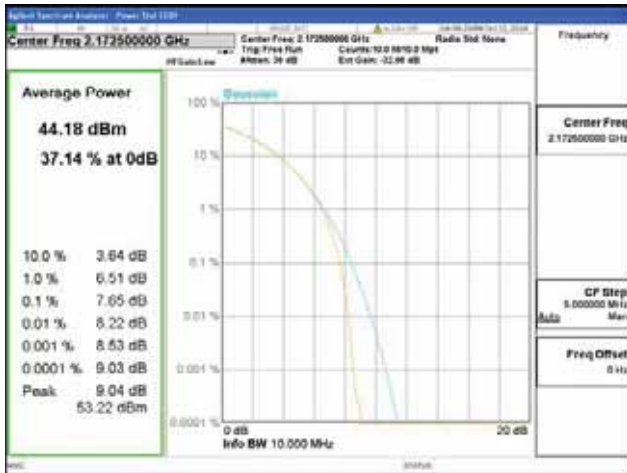
QPSK



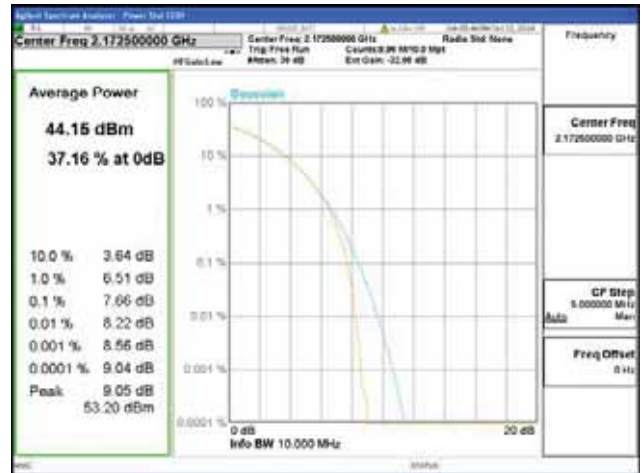
16QAM



64QAM



256QAM



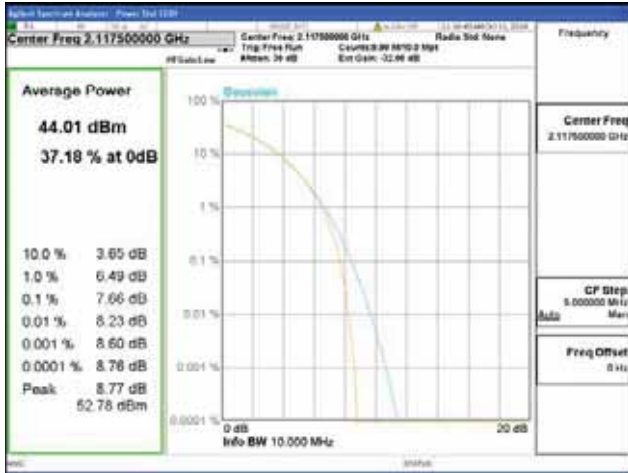


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

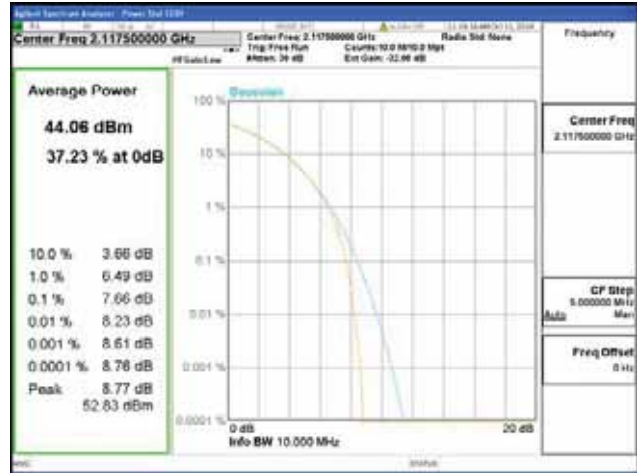
Report No.:
 CTK-2018-03329
 Page (332) / (2957)
 Pages

ANT 2
Band 66, BW 15MHz, Single carrier, 4TX, Bottom

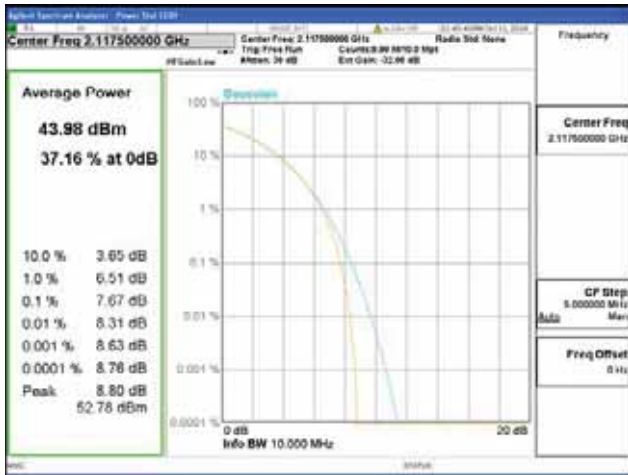
QPSK



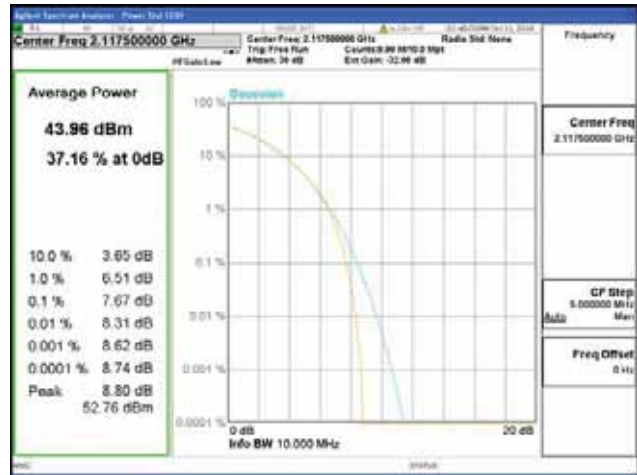
16QAM



64QAM



256QAM





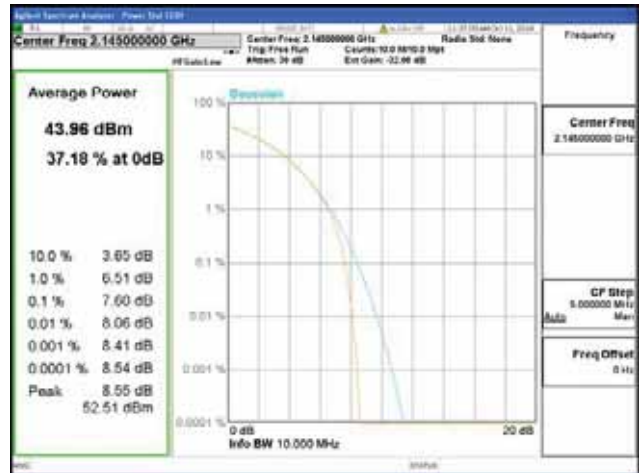
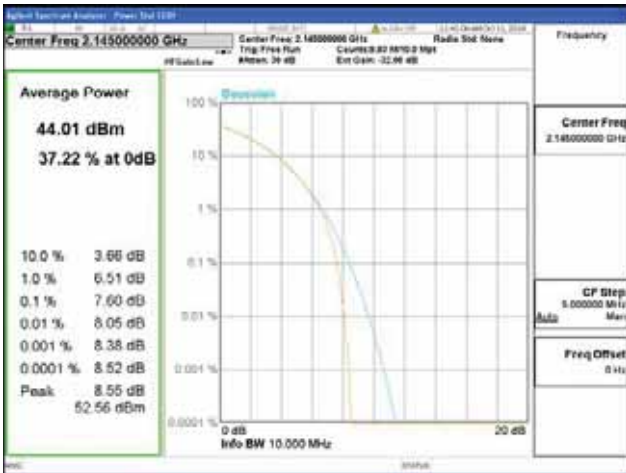
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (333) / (2957)
 Pages

Band 66, BW 15MHz, Single carrier, 4TX, Middle

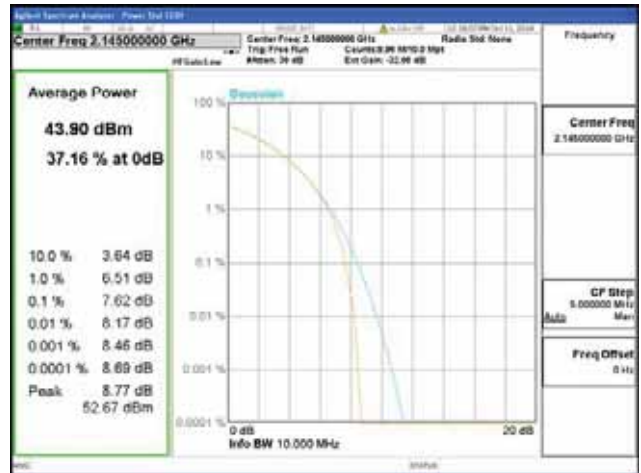
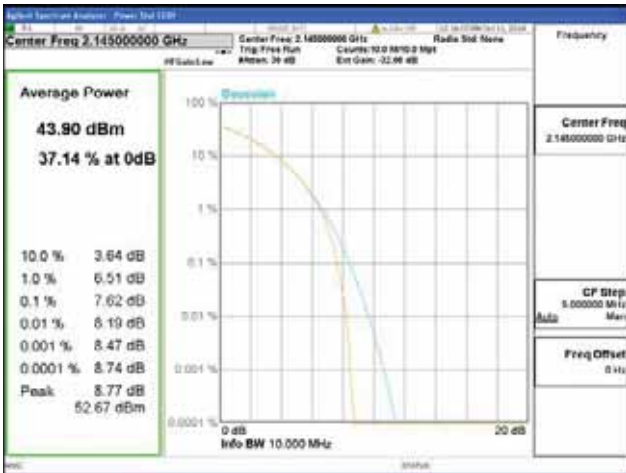
QPSK

16QAM



64QAM

256QAM





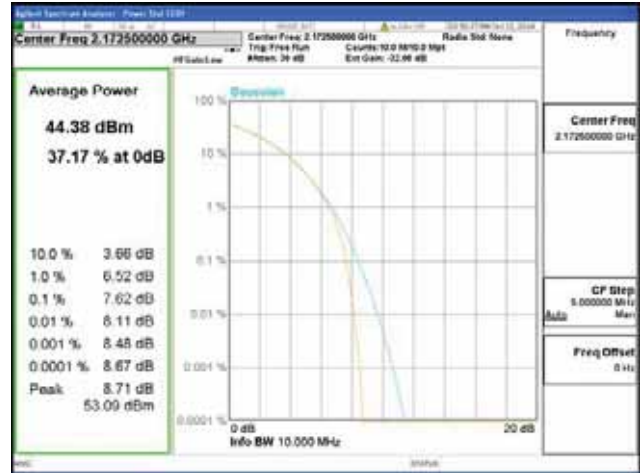
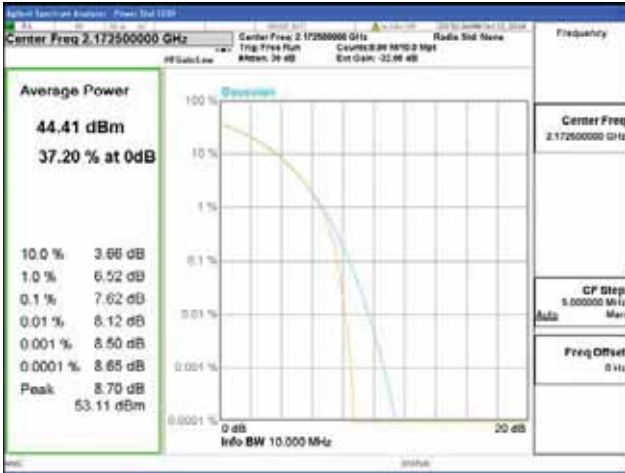
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (334) / (2957)
 Pages

Band 66, BW 15MHz, Single carrier, 4TX, Top

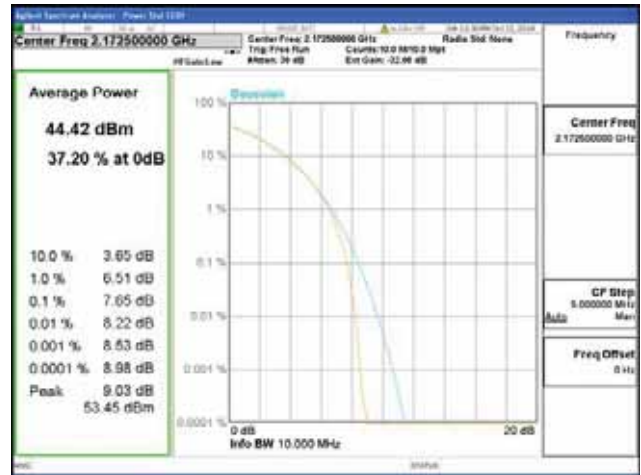
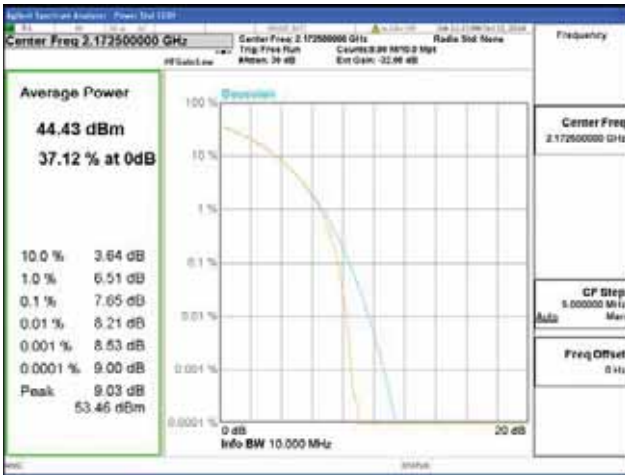
QPSK

16QAM



64QAM

256QAM





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

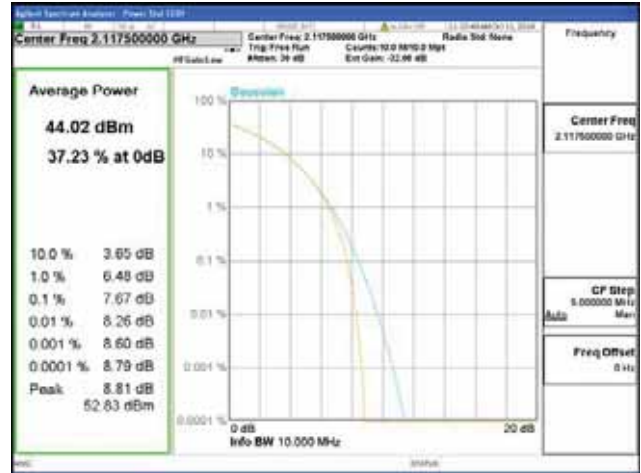
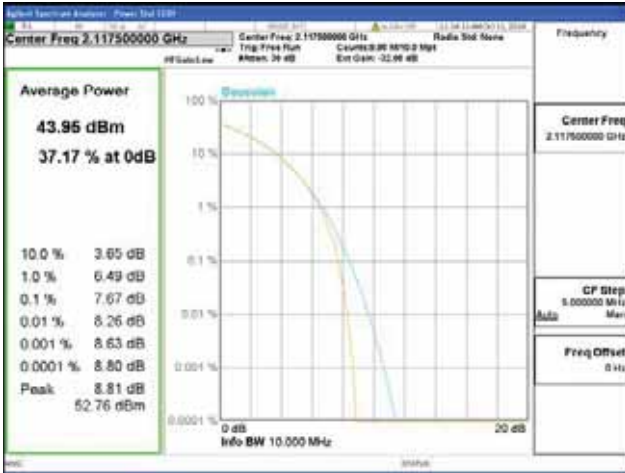
Report No.:
 CTK-2018-03329
 Page (335) / (2957)
 Pages

ANT 3

Band 66, BW 15MHz, Single carrier, 4TX, Bottom

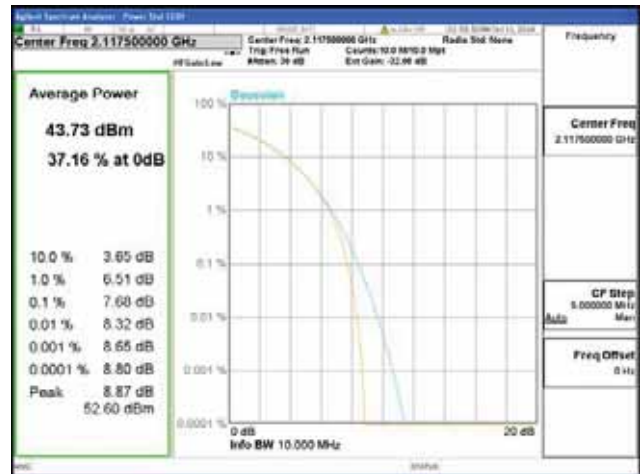
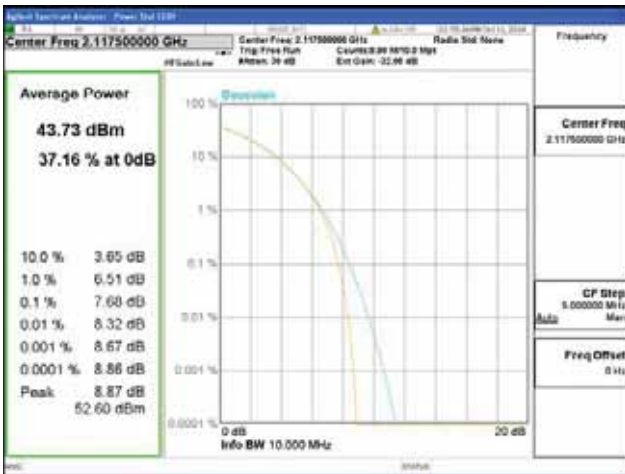
QPSK

16QAM



64QAM

256QAM





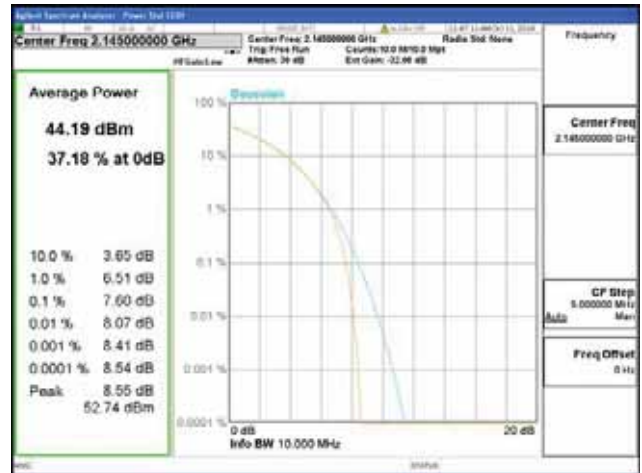
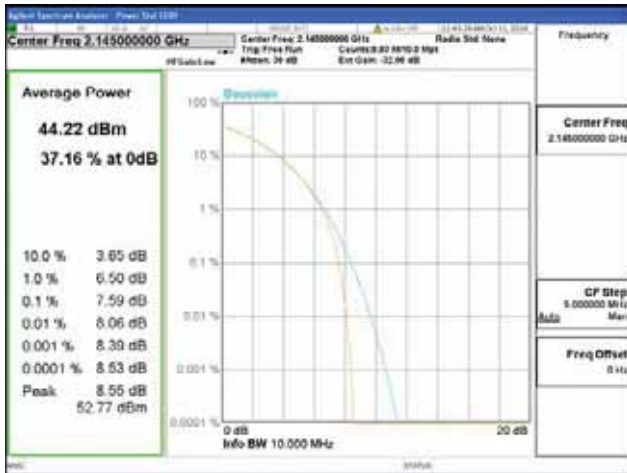
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (336) / (2957)
 Pages

Band 66, BW 15MHz, Single carrier, 4TX, Middle

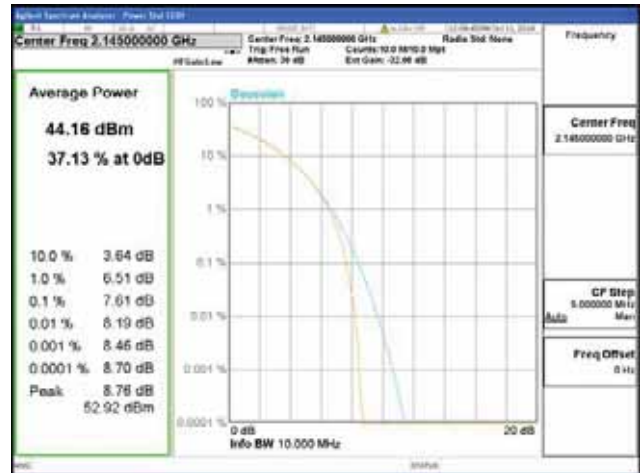
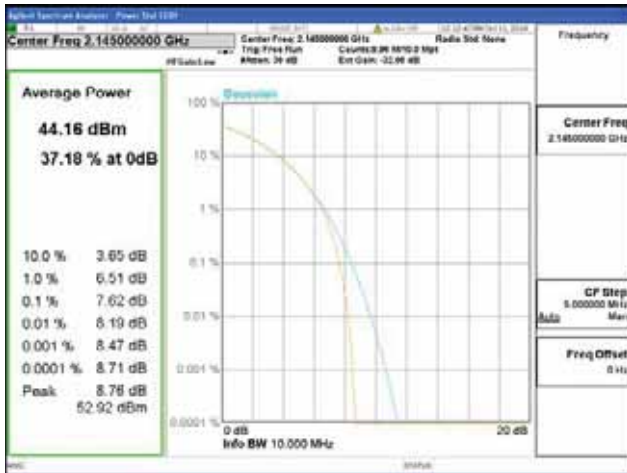
QPSK

16QAM



64QAM

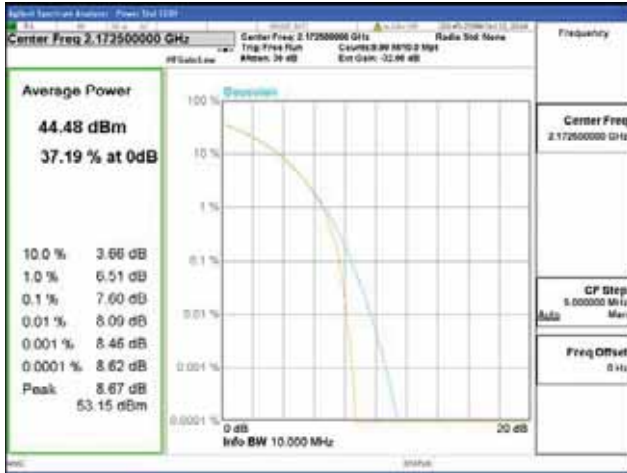
256QAM



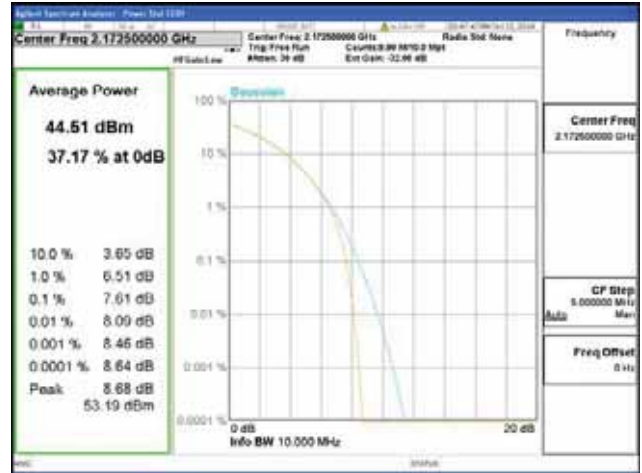


Band 66, BW 15MHz, Single carrier, 4TX, Top

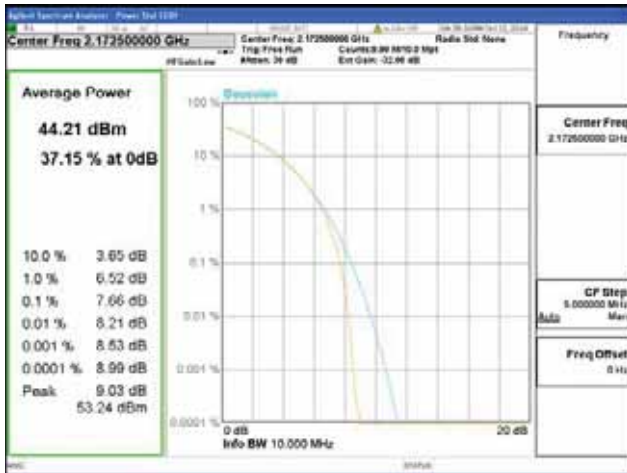
QPSK



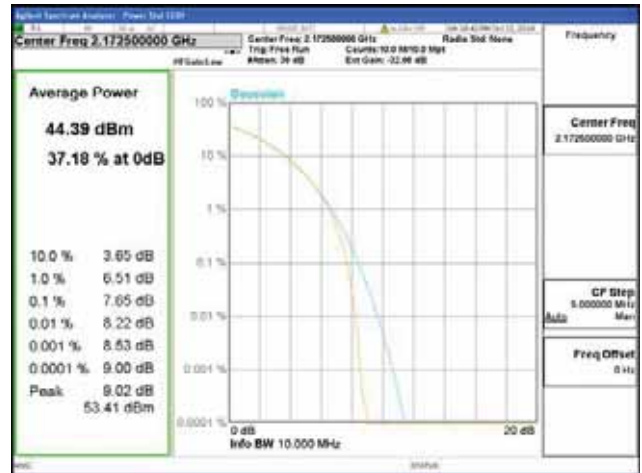
16QAM



64QAM



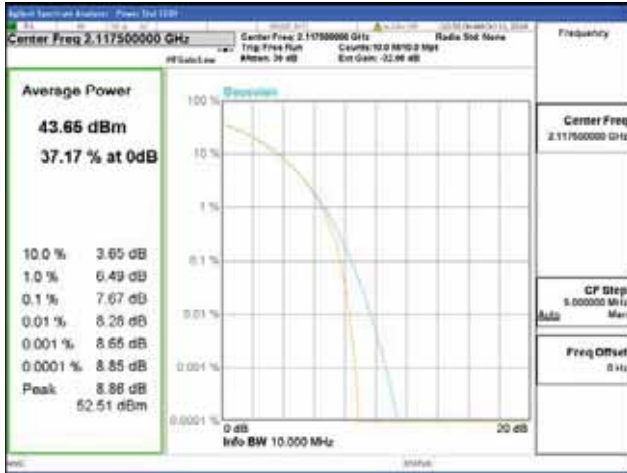
256QAM



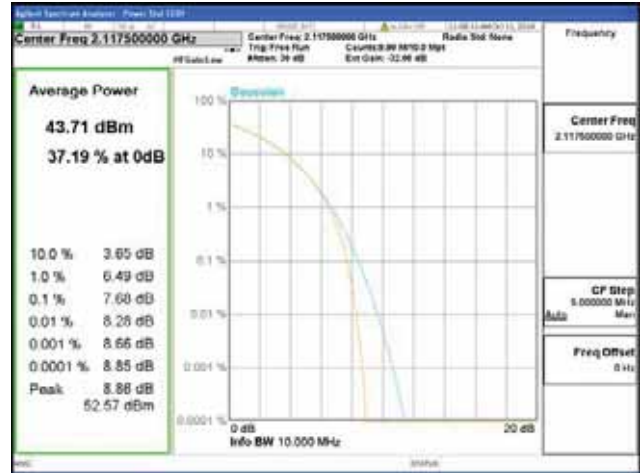


ANT 4
Band 66, BW 15MHz, Single carrier, 4TX, Bottom

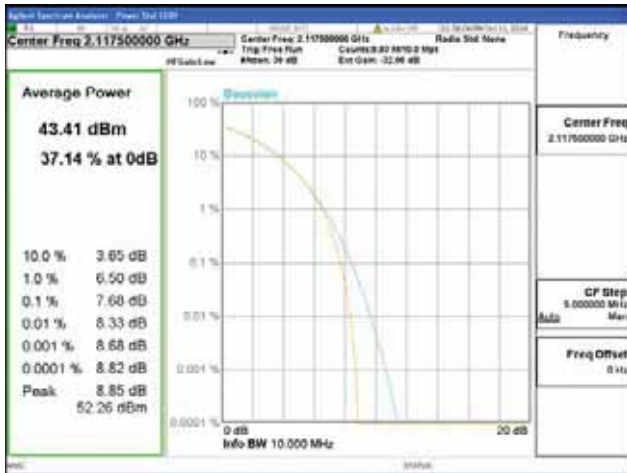
QPSK



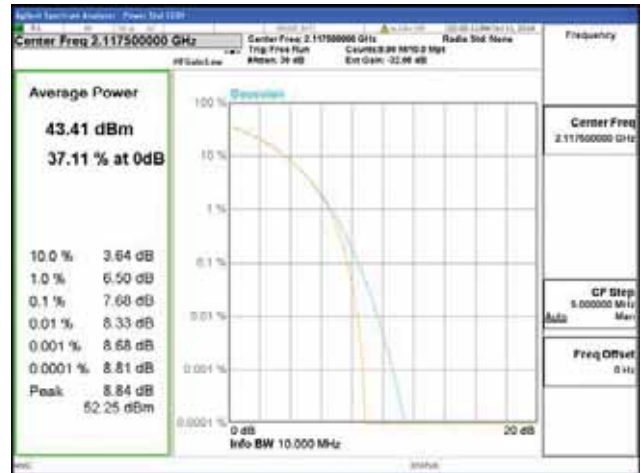
16QAM



64QAM



256QAM



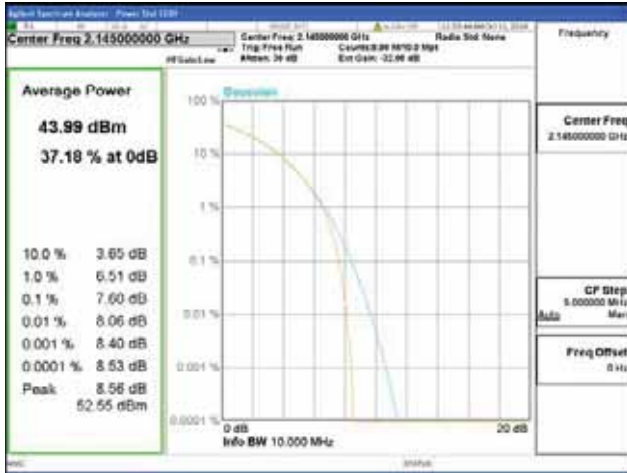


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

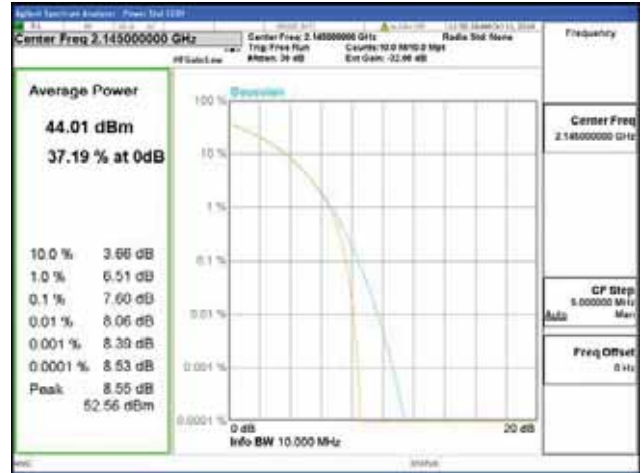
Report No.:
 CTK-2018-03329
 Page (339) / (2957)
 Pages

Band 66, BW 15MHz, Single carrier, 4TX, Middle

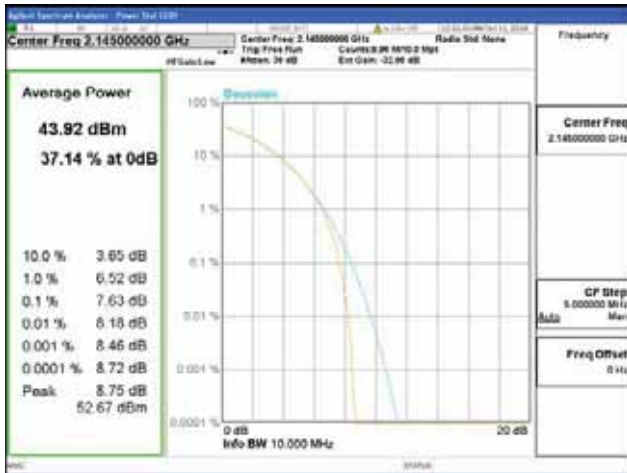
QPSK



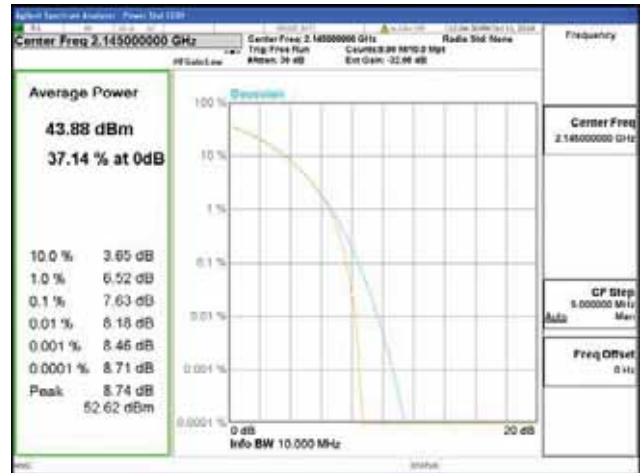
16QAM



64QAM



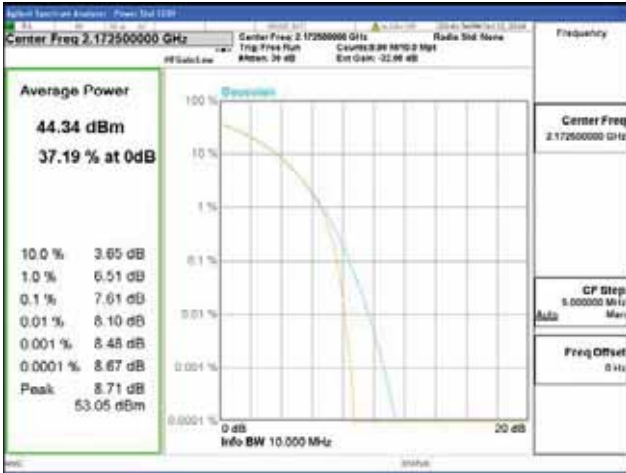
256QAM



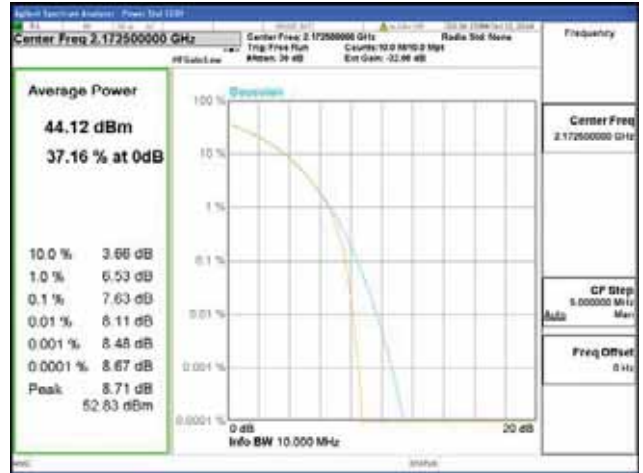


Band 66, BW 15MHz, Single carrier, 4TX Top

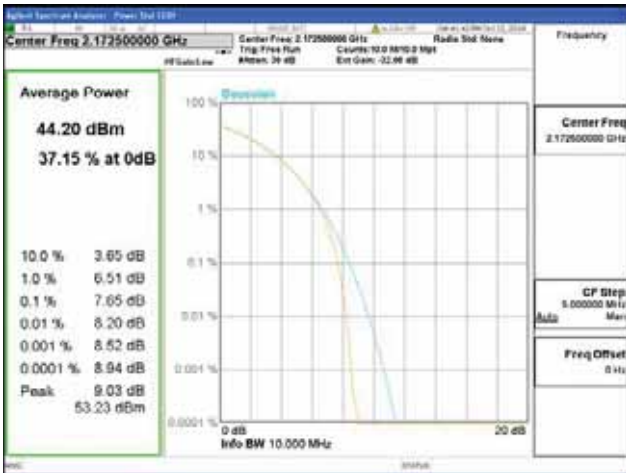
QPSK



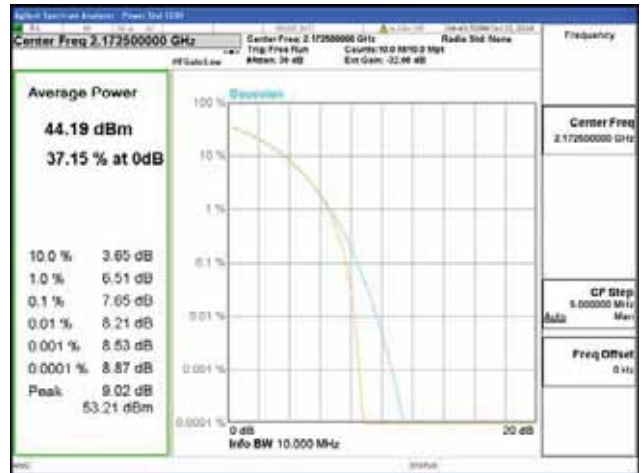
16QAM



64QAM



256QAM



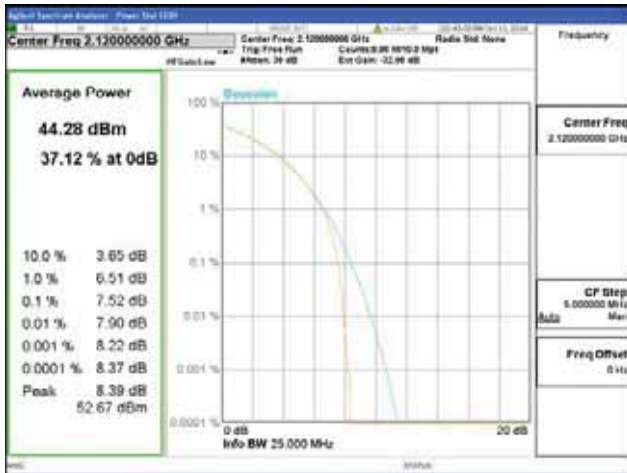


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

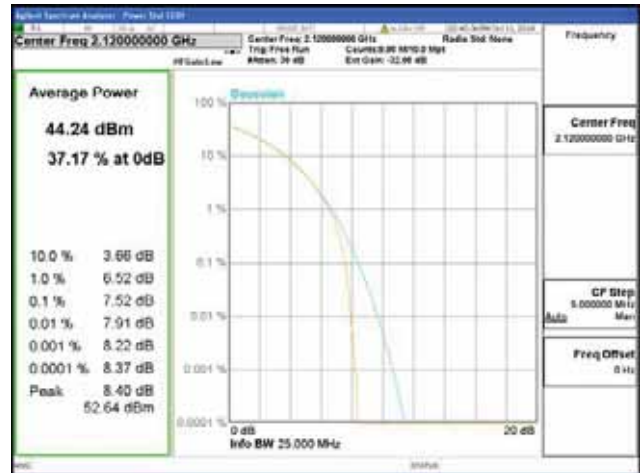
Report No.:
 CTK-2018-03329
 Page (341) / (2957)
 Pages

ANT 1
Band 66, BW 20MHz, Single carrier, 4TX, Bottom

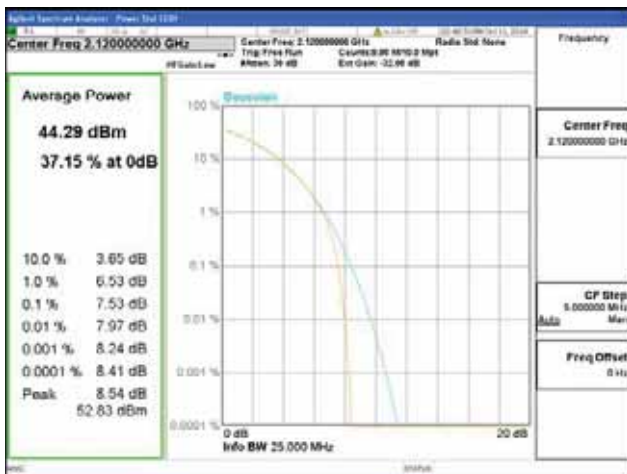
QPSK



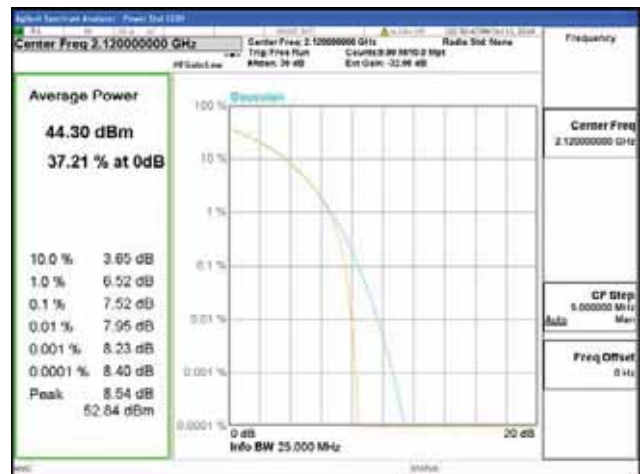
16QAM



64QAM



256QAM





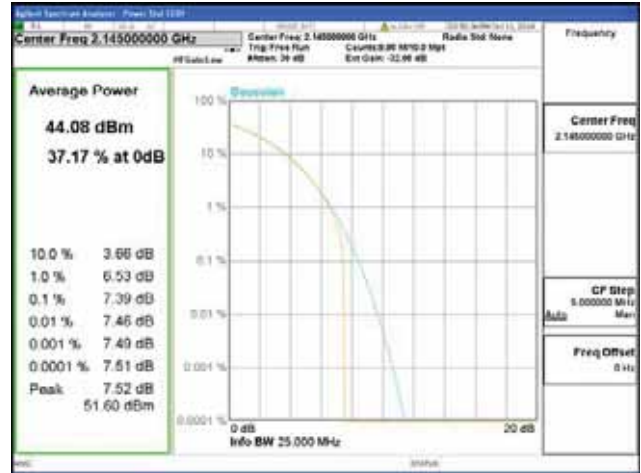
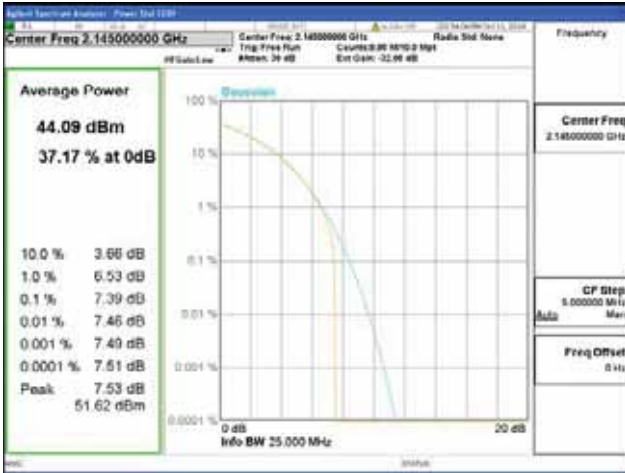
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (342) / (2957)
 Pages

Band 66, BW 20MHz, Single carrier, 4TX, Middle

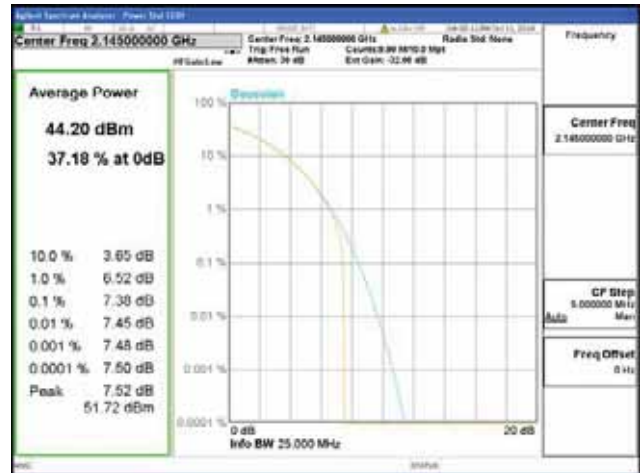
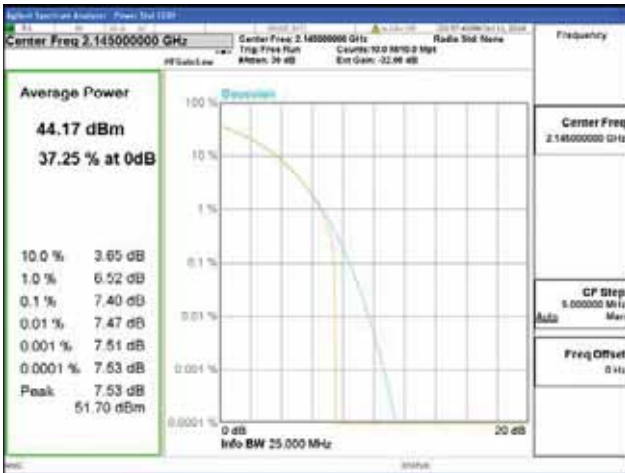
QPSK

16QAM



64QAM

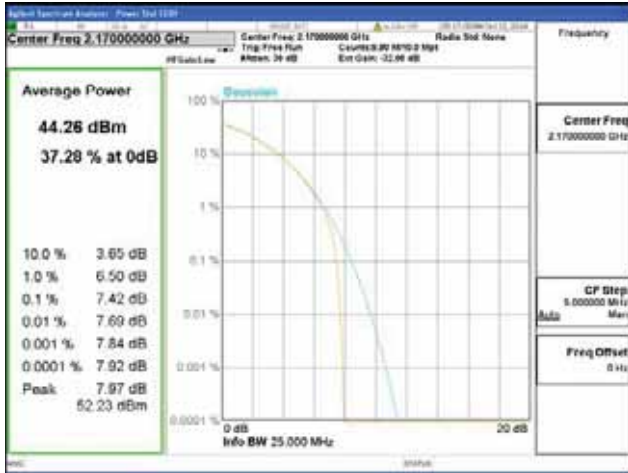
256QAM



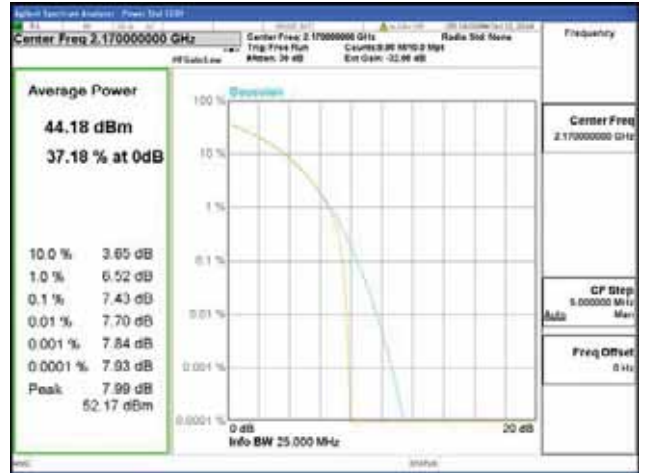


Band 66, BW 20MHz, Single carrier, 4TX, Top

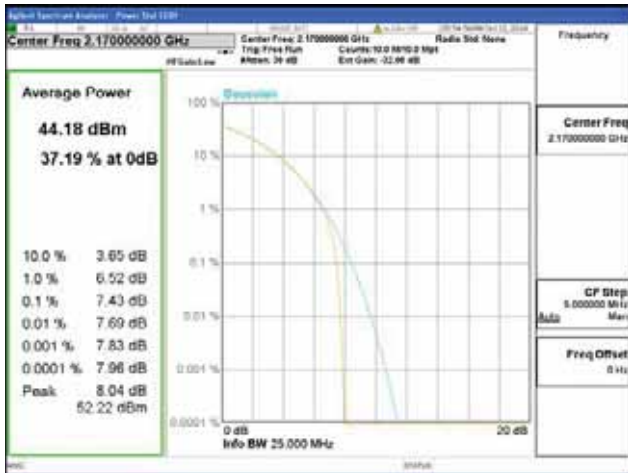
QPSK



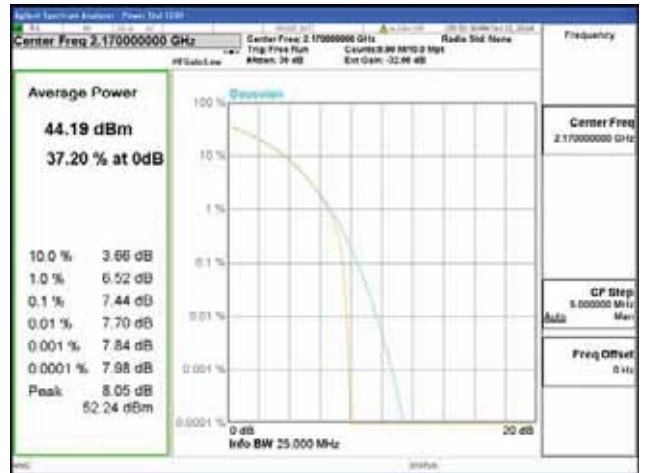
16QAM



64QAM



256QAM



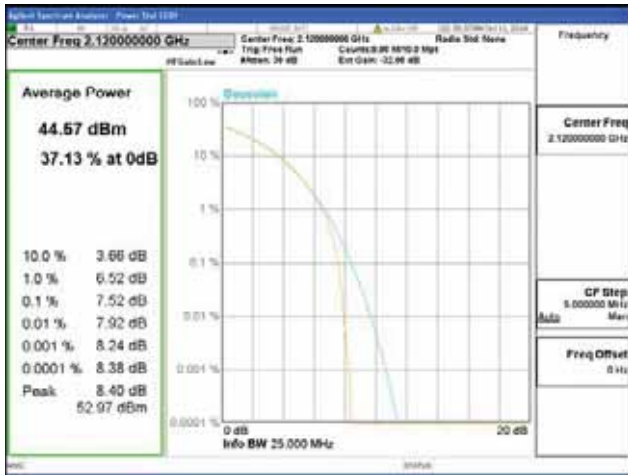


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

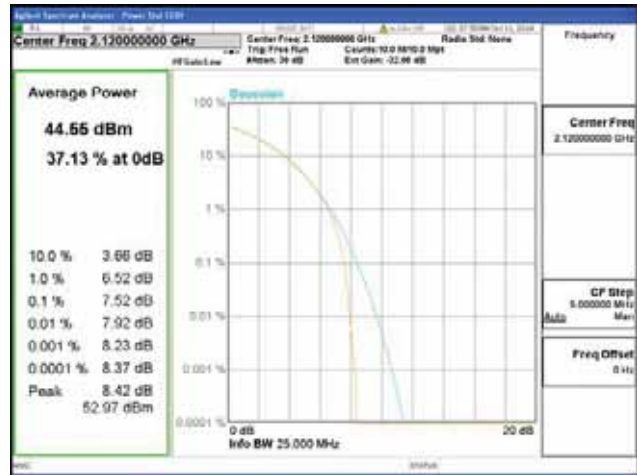
Report No.:
 CTK-2018-03329
 Page (344) / (2957)
 Pages

ANT 2
Band 66, BW 20MHz, Single carrier, 4TX, Bottom

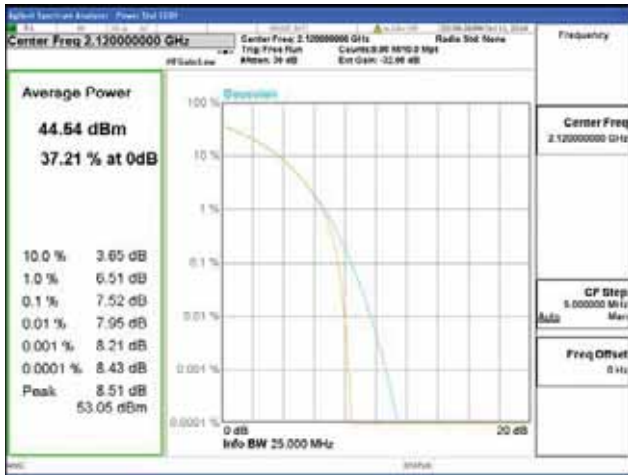
QPSK



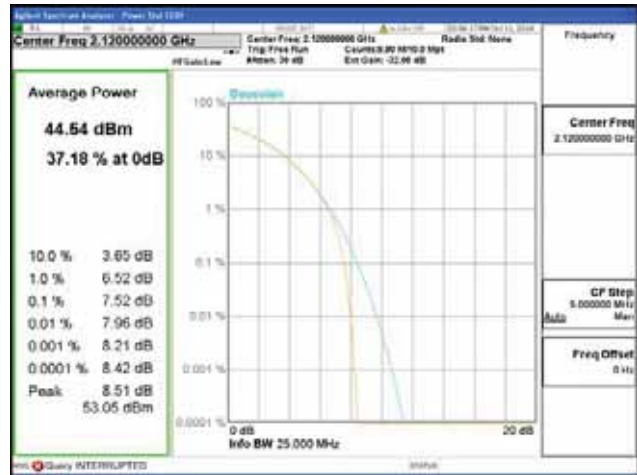
16QAM



64QAM



256QAM



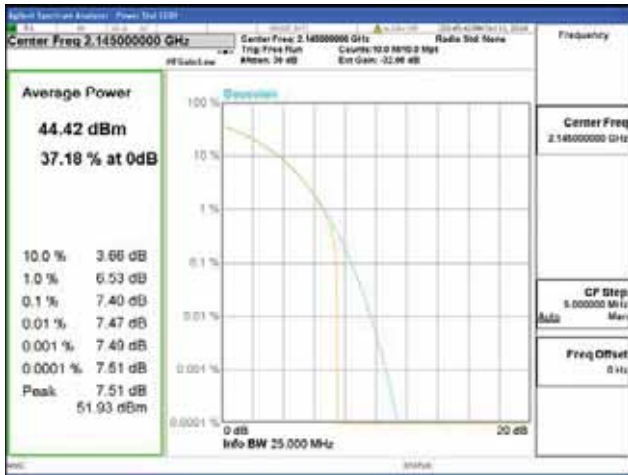


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

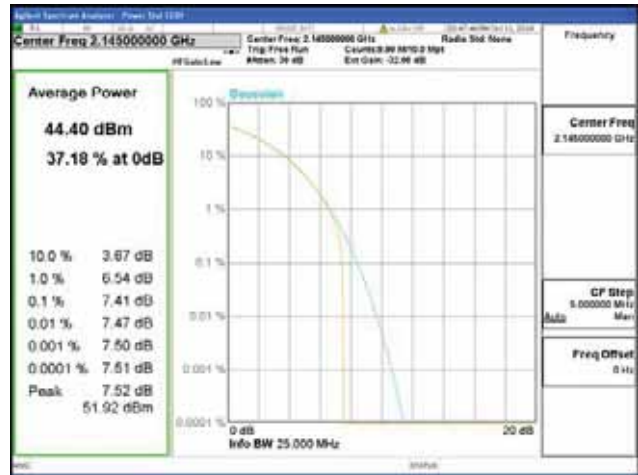
Report No.:
 CTK-2018-03329
 Page (345) / (2957)
 Pages

Band 66, BW 20MHz, Single carrier, 4TX, Middle

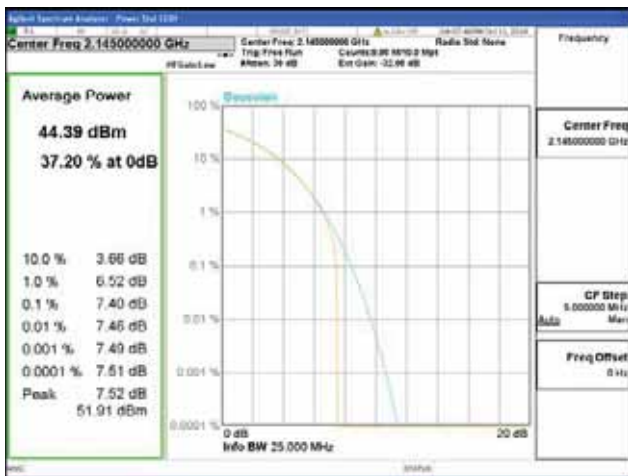
QPSK



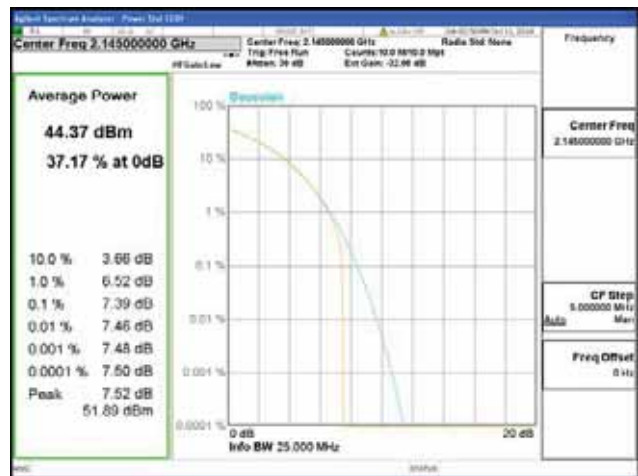
16QAM



64QAM



256QAM





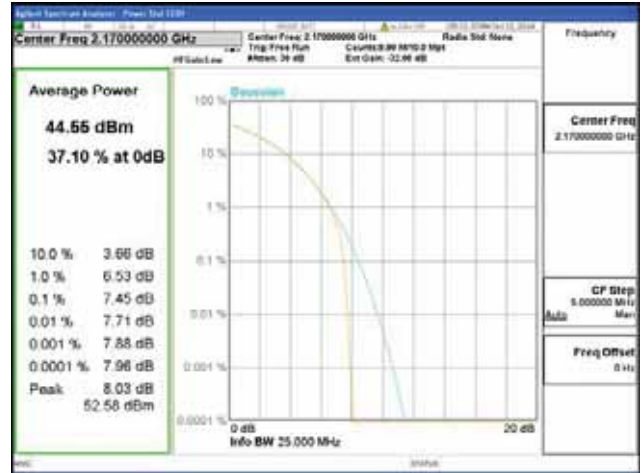
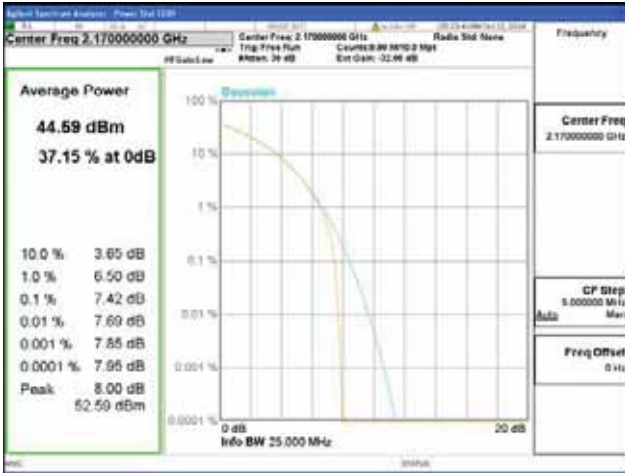
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (346) / (2957)
 Pages

Band 66, BW 20MHz, Single carrier, 4TX, Top

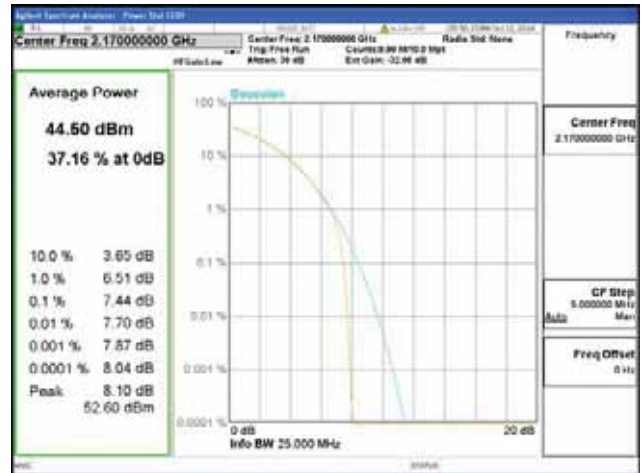
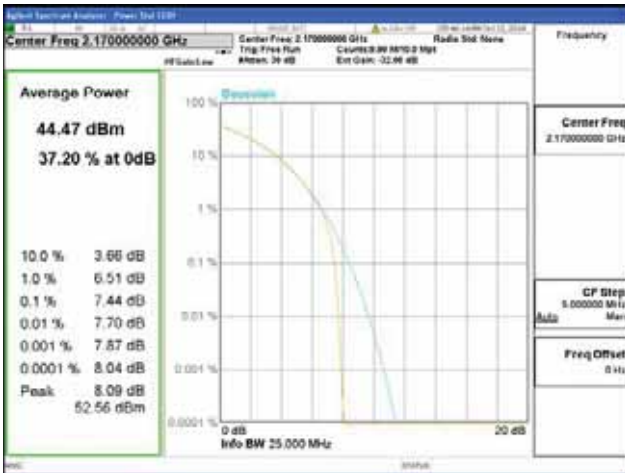
QPSK

16QAM



64QAM

256QAM





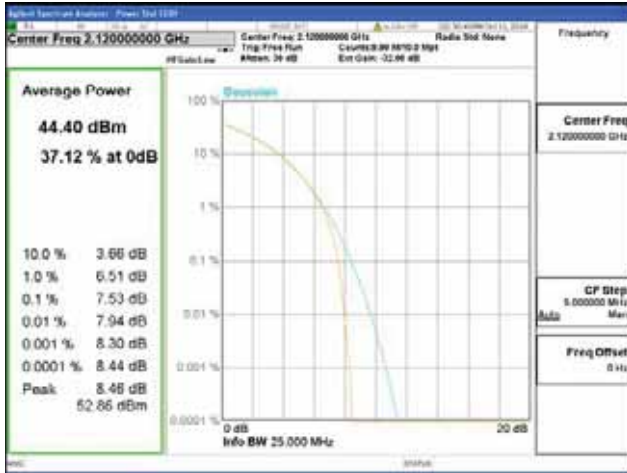
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (347) / (2957)
 Pages

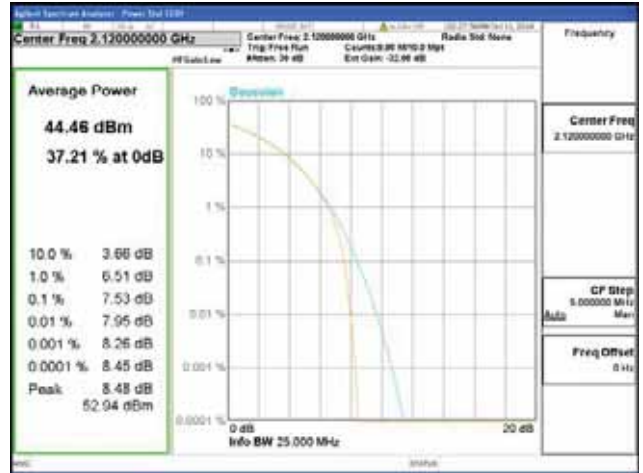
ANT 3

Band 66, BW 20MHz, Single carrier, 4TX, Bottom

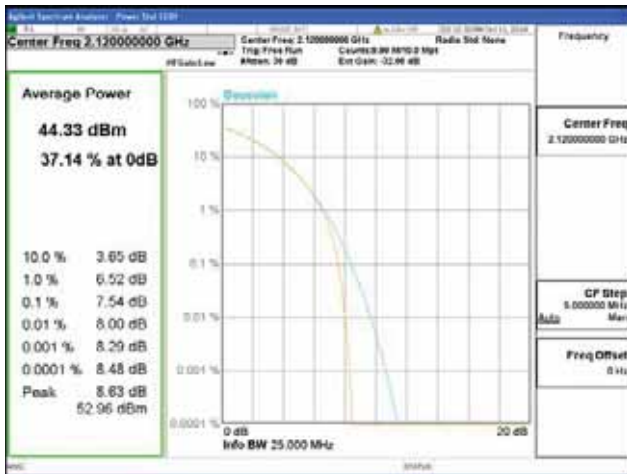
QPSK



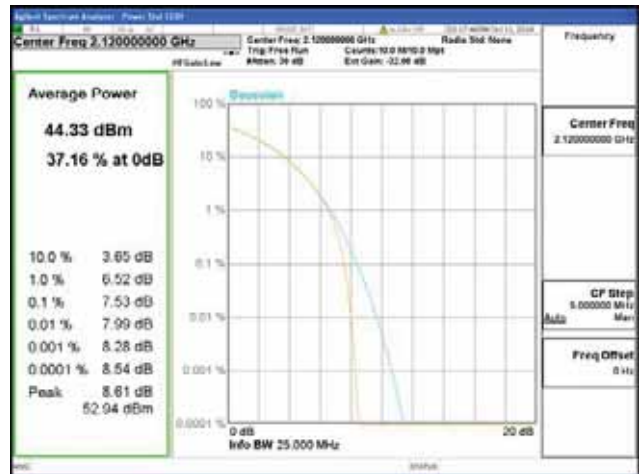
16QAM



64QAM



256QAM





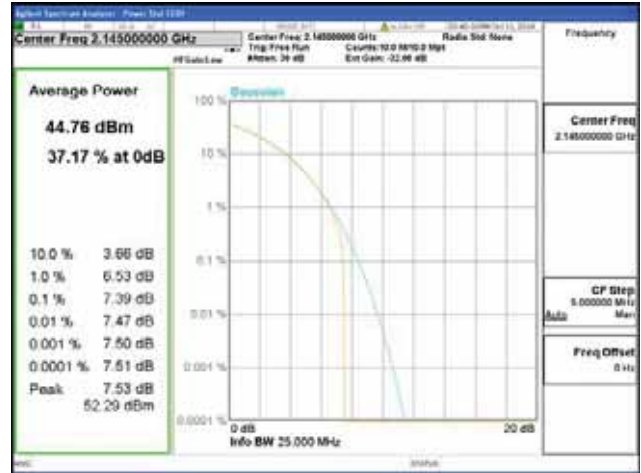
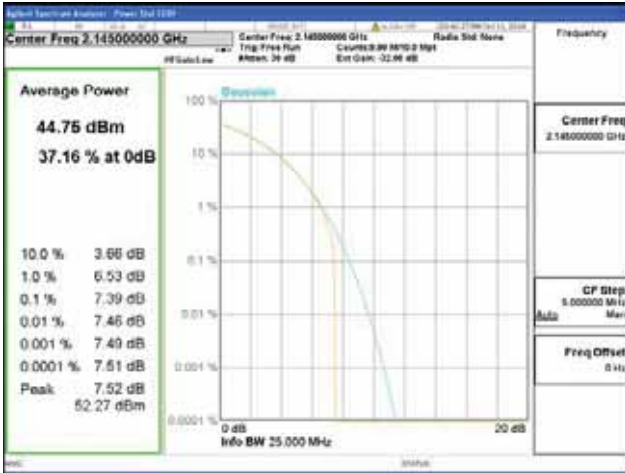
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (348) / (2957)
 Pages

Band 66, BW 20MHz, Single carrier, 4TX, Middle

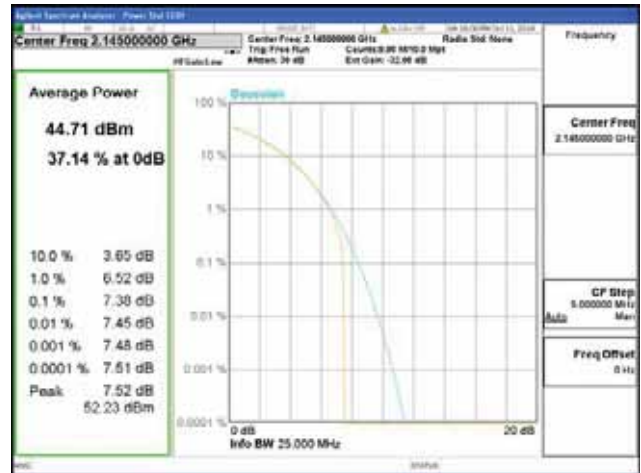
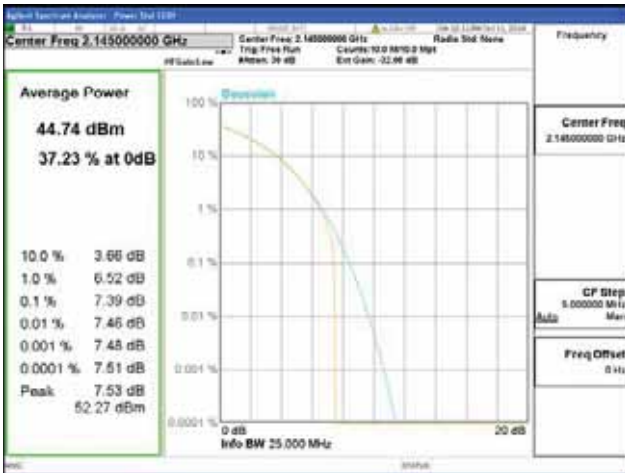
QPSK

16QAM



64QAM

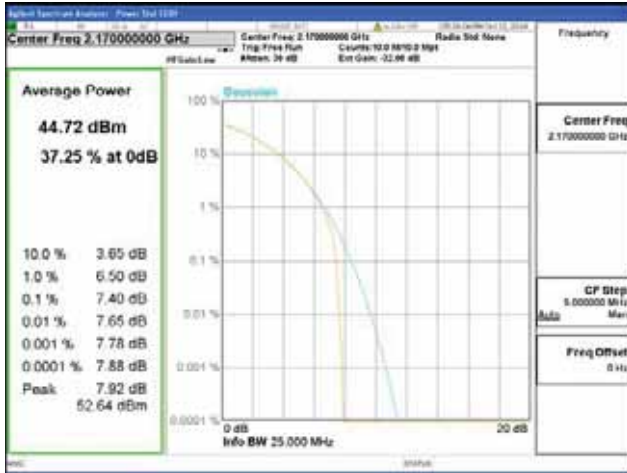
256QAM



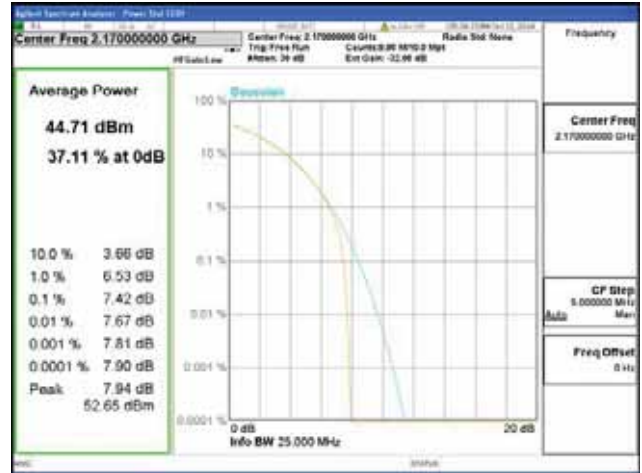


Band 66, BW 20MHz, Single carrier, 4TX, Top

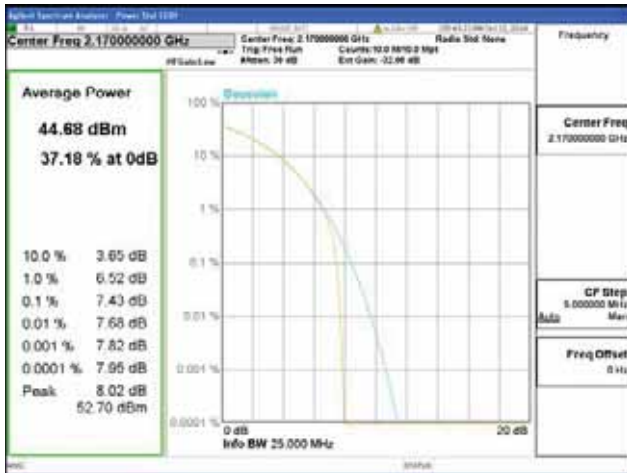
QPSK



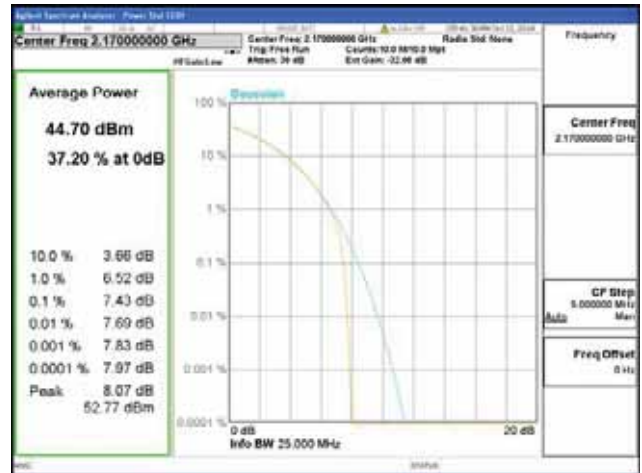
16QAM



64QAM



256QAM

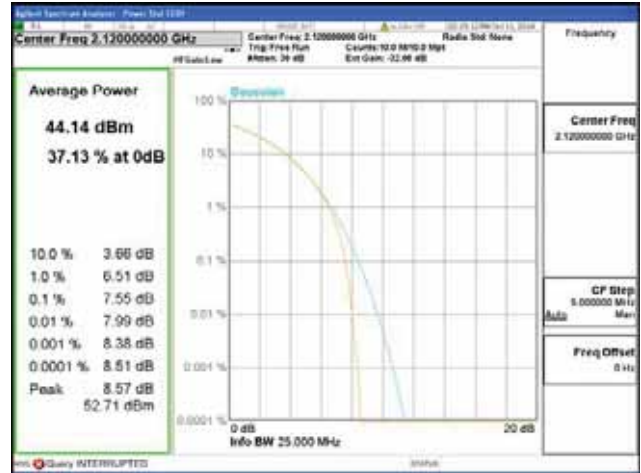
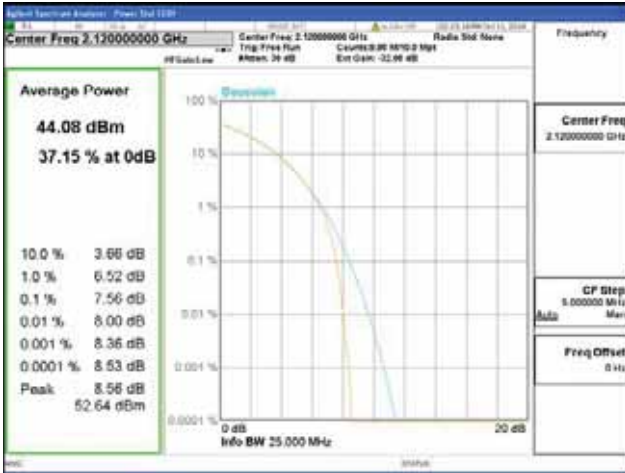




ANT 4
Band 66, BW 20MHz, Single carrier, 4TX, Bottom

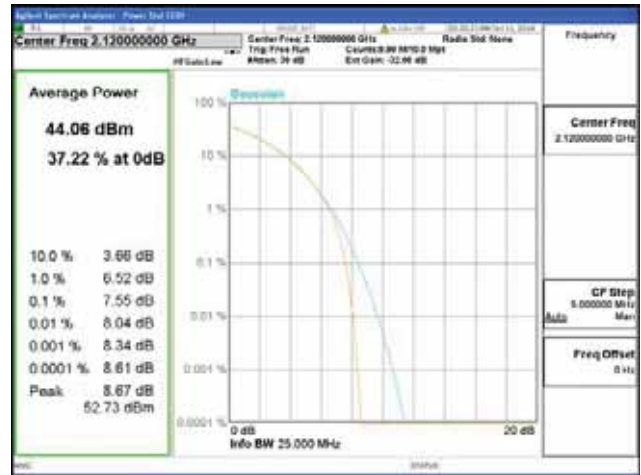
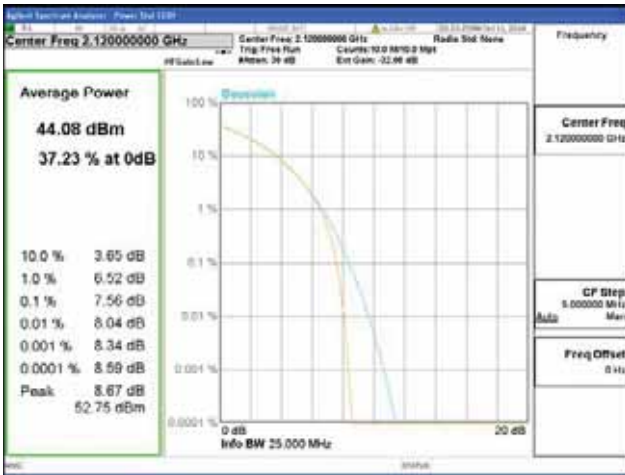
QPSK

16QAM



64QAM

256QAM





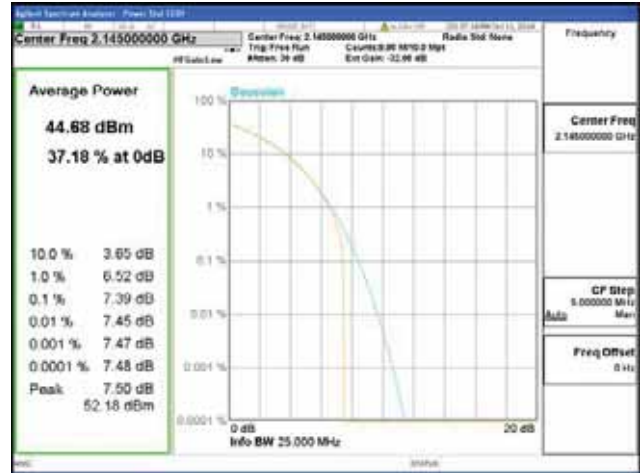
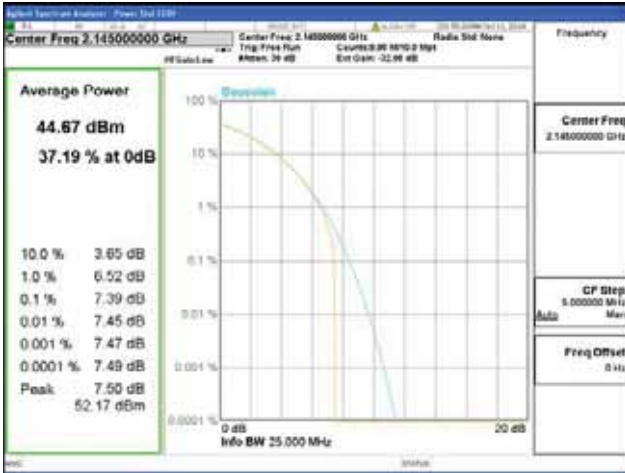
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (351) / (2957)
 Pages

Band 66, BW 20MHz, Single carrier, 4TX, Middle

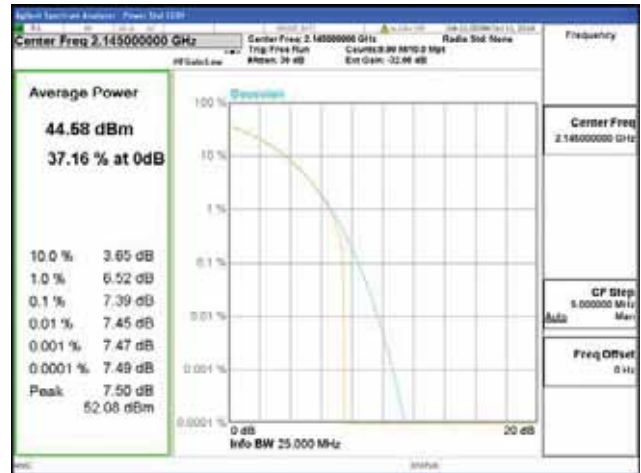
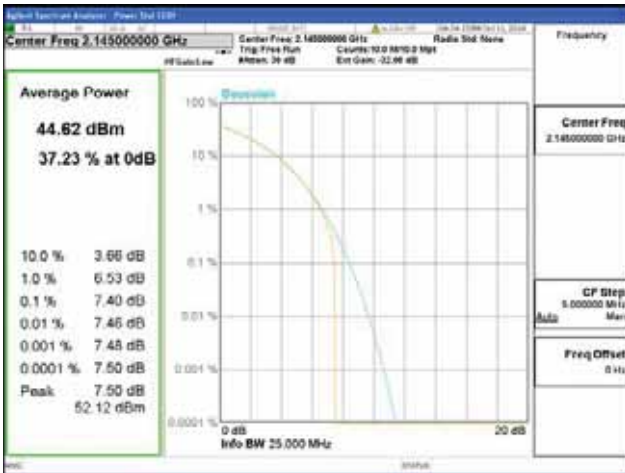
QPSK

16QAM



64QAM

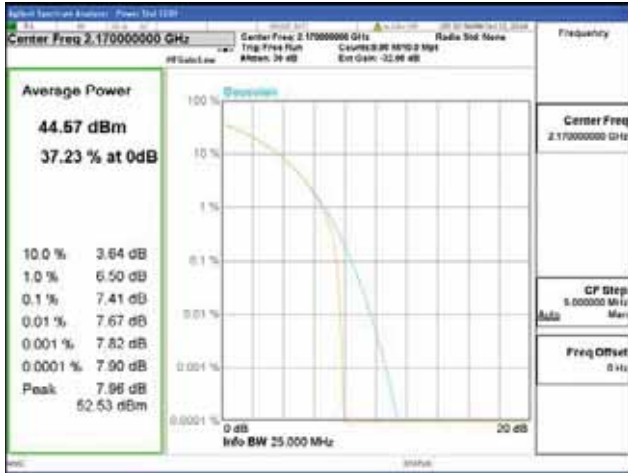
256QAM



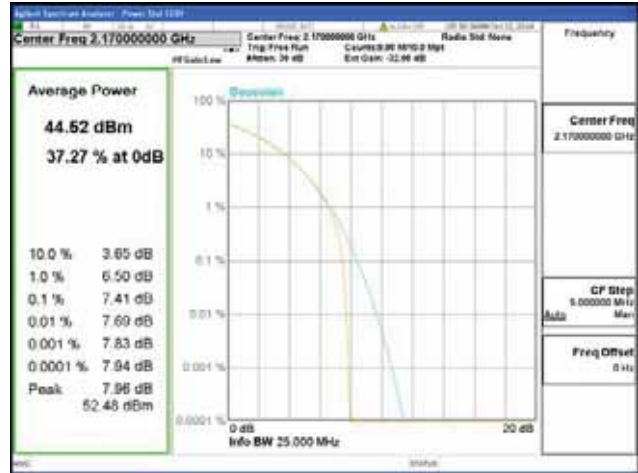


Band 66, BW 20MHz, Single carrier, 4TX, Top

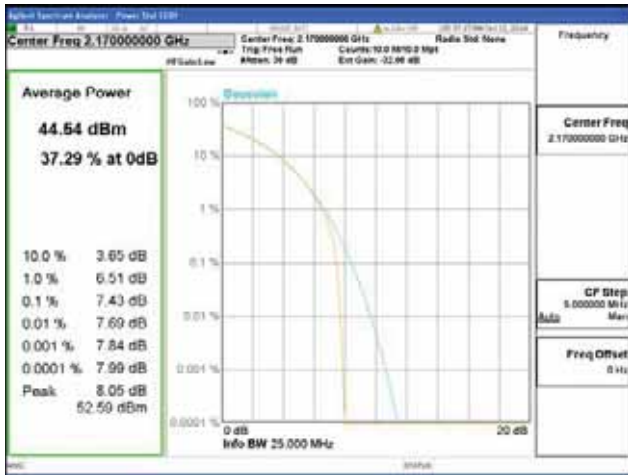
QPSK



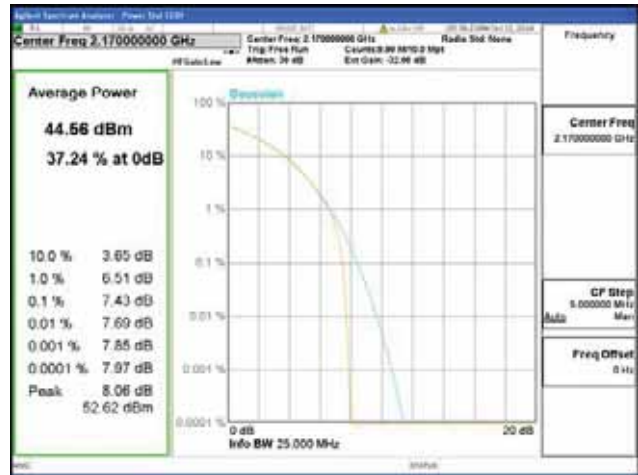
16QAM




64QAM



256QAM



	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-2018-03329 Page (353) / (2957) Pages	
---	---	---	--

5. Occupied Bandwidth

Test Requirements :

§ 2.1049 Measurements required : Occupied bandwidth

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the specified conditions of § 2.1049(a) through (i) as applicable.

Test Procedures :

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation. The EUT was connected to a spectrum analyzer enabled with an occupied bandwidth in accordance with FCC Part 2.1049. The occupied bandwidth was measured from the fundamental emission at the bottom, middle and top channels. The occupied bandwidth was measured using the built in occupied bandwidth function of the spectrum analyzer. It was set to measure the bandwidth where 99% of the signal power was contained. The analyzer automatically configures the measurement bandwidths to make an accurate measurement based on the channel bandwidth and channel spacing of the EUT.



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-2018-03329
 Page (354) / (2957)
 Pages

Test Results :

Test Data : Band 66, BW 5MHz, Single 1 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5MHz	Single	1	Bottom	QPSK	4.45
				16QAM	4.44
				64QAM	4.48
				256QAM	4.48
			Middle	QPSK	4.46
				16QAM	4.46
				64QAM	4.49
				256QAM	4.49
			Top	QPSK	4.46
				16QAM	4.46
				64QAM	4.50
				256QAM	4.50
		2	Bottom	QPSK	4.46
				16QAM	4.45
				64QAM	4.49
				256QAM	4.49
			Middle	QPSK	4.46
				16QAM	4.47
				64QAM	4.50
				256QAM	4.50
			Top	QPSK	4.47
				16QAM	4.46
				64QAM	4.50
				256QAM	4.50
		3	Bottom	QPSK	4.44
				16QAM	4.44
				64QAM	4.48
				256QAM	4.48
			Middle	QPSK	4.46
				16QAM	4.46
				64QAM	4.50
				256QAM	4.50
			Top	QPSK	4.46
				16QAM	4.47
				64QAM	4.50
				256QAM	4.50
		4	Bottom	QPSK	4.44
				16QAM	4.43
				64QAM	4.48
				256QAM	4.48
			Middle	QPSK	4.47
				16QAM	4.47
				64QAM	4.50
				256QAM	4.50
			Top	QPSK	4.46
				16QAM	4.47
				64QAM	4.50
				256QAM	4.50



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-2018-03329
 Page (355) / (2957)
 Pages

Test Data : Band 66, BW 10MHz, Single 1 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 10MHz	Single	1	Bottom	QPSK	8.90
				16QAM	8.90
				64QAM	8.92
				256QAM	8.92
			Middle	QPSK	8.92
				16QAM	8.91
				64QAM	8.93
				256QAM	8.93
			Top	QPSK	8.91
				16QAM	8.91
				64QAM	8.93
				256QAM	8.93
		2	Bottom	QPSK	8.90
				16QAM	8.91
				64QAM	8.92
				256QAM	8.92
			Middle	QPSK	8.92
				16QAM	8.92
				64QAM	8.93
				256QAM	8.93
			Top	QPSK	8.92
				16QAM	8.92
				64QAM	8.93
				256QAM	8.93
		3	Bottom	QPSK	8.90
				16QAM	8.89
				64QAM	8.91
				256QAM	8.92
			Middle	QPSK	8.91
				16QAM	8.92
				64QAM	8.93
				256QAM	8.93
			Top	QPSK	8.92
				16QAM	8.92
				64QAM	8.94
				256QAM	8.93
		4	Bottom	QPSK	8.89
				16QAM	8.89
				64QAM	8.91
				256QAM	8.91
			Middle	QPSK	8.92
				16QAM	8.92
				64QAM	8.93
				256QAM	8.94
			Top	QPSK	8.93
				16QAM	8.92
				64QAM	8.93
				256QAM	8.93



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-2018-03329
 Page (356) / (2957)
 Pages

Test Data : Band 66, BW 15MHz, Single 1 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 15MHz	Single	1	Bottom	QPSK	13.36
				16QAM	13.36
				64QAM	13.36
				256QAM	13.37
			Middle	QPSK	13.37
				16QAM	13.39
				64QAM	13.38
				256QAM	13.38
			Top	QPSK	13.38
				16QAM	13.38
				64QAM	13.38
				256QAM	13.39
		2	Bottom	QPSK	13.36
				16QAM	13.37
				64QAM	13.37
				256QAM	13.37
			Middle	QPSK	13.38
				16QAM	13.37
				64QAM	13.38
				256QAM	13.38
			Top	QPSK	13.38
				16QAM	13.38
				64QAM	13.38
				256QAM	13.38
		3	Bottom	QPSK	13.37
				16QAM	13.36
				64QAM	13.36
				256QAM	13.36
			Middle	QPSK	13.39
				16QAM	13.38
				64QAM	13.38
				256QAM	13.38
			Top	QPSK	13.37
				16QAM	13.37
				64QAM	13.38
				256QAM	13.38
		4	Bottom	QPSK	13.36
				16QAM	13.36
				64QAM	13.36
				256QAM	13.36
			Middle	QPSK	13.38
				16QAM	13.38
				64QAM	13.38
				256QAM	13.39
			Top	QPSK	13.38
				16QAM	13.38
				64QAM	13.38
				256QAM	13.38



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-2018-03329
 Page (357) / (2957)
 Pages

Test Data : Band 66, BW 20MHz, Single 1 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 20MHz	Single	1	Bottom	QPSK	17.78
				16QAM	17.79
				64QAM	17.82
				256QAM	17.82
			Middle	QPSK	17.80
				16QAM	17.81
				64QAM	17.84
				256QAM	17.84
			Top	QPSK	17.80
				16QAM	17.76
				64QAM	17.84
				256QAM	17.84
		2	Bottom	QPSK	17.79
				16QAM	17.78
				64QAM	17.81
				256QAM	17.82
			Middle	QPSK	17.81
				16QAM	17.79
				64QAM	17.83
				256QAM	17.84
			Top	QPSK	17.80
				16QAM	17.79
				64QAM	17.84
				256QAM	17.84
		3	Bottom	QPSK	17.77
				16QAM	17.78
				64QAM	17.81
				256QAM	17.82
			Middle	QPSK	17.79
				16QAM	17.79
				64QAM	17.83
				256QAM	17.83
			Top	QPSK	17.80
				16QAM	17.78
				64QAM	17.83
				256QAM	17.84
		4	Bottom	QPSK	17.78
				16QAM	17.75
				64QAM	17.81
				256QAM	17.81
			Middle	QPSK	17.79
				16QAM	17.78
				64QAM	17.84
				256QAM	17.84
			Top	QPSK	17.79
				16QAM	17.78
				64QAM	17.84
				256QAM	17.83



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-2018-03329
 Page (358) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 5MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5MHz + BW 5MHz	Contiguous	1	Bottom	QPSK	9.34
				16QAM	9.38
				64QAM	9.41
				256QAM	9.41
			Top	QPSK	9.41
				16QAM	9.40
				64QAM	9.43
				256QAM	9.43
		2	Bottom	QPSK	9.35
				16QAM	9.38
				64QAM	9.41
				256QAM	9.41
			Top	QPSK	9.39
				16QAM	9.38
				64QAM	9.43
				256QAM	9.43
		3	Bottom	QPSK	9.33
				16QAM	9.38
				64QAM	9.41
				256QAM	9.41
			Top	QPSK	9.39
				16QAM	9.38
				64QAM	9.41
				256QAM	9.44
		4	Bottom	QPSK	9.35
				16QAM	9.36
				64QAM	9.40
				256QAM	9.41
Top	QPSK		9.39		
	16QAM		9.43		
	64QAM		9.43		
	256QAM		9.43		



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-2018-03329
 Page (359) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 10MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5MHz + BW 10MHz	Contiguous	1	Bottom	QPSK	14.05
				16QAM	14.09
				64QAM	14.10
				256QAM	14.10
			Top	QPSK	14.09
				16QAM	14.10
				64QAM	14.13
				256QAM	14.13
		2	Bottom	QPSK	14.06
				16QAM	14.08
				64QAM	14.10
				256QAM	14.10
			Top	QPSK	14.10
				16QAM	14.10
				64QAM	14.13
				256QAM	14.13
		3	Bottom	QPSK	14.04
				16QAM	14.09
				64QAM	14.10
				256QAM	14.10
Top	QPSK		14.08		
	16QAM		14.08		
	64QAM		14.14		
	256QAM		14.13		
4	Bottom	QPSK	14.05		
		16QAM	14.08		
		64QAM	14.09		
		256QAM	14.10		
	Top	QPSK	14.09		
		16QAM	14.10		
		64QAM	14.13		
		256QAM	14.13		



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-2018-03329
 Page (360) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 15MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5MHz + BW 15MHz	Contiguous	1	Bottom	QPSK	18.74
				16QAM	18.74
				64QAM	18.79
				256QAM	18.79
			Top	QPSK	18.80
				16QAM	18.81
				64QAM	18.84
				256QAM	18.84
		2	Bottom	QPSK	18.75
				16QAM	18.76
				64QAM	18.79
				256QAM	18.79
			Top	QPSK	18.80
				16QAM	18.77
				64QAM	18.84
				256QAM	18.84
		3	Bottom	QPSK	18.73
				16QAM	18.74
				64QAM	18.79
				256QAM	18.79
Top	QPSK		18.79		
	16QAM		18.82		
	64QAM		18.84		
	256QAM		18.84		
4	Bottom	QPSK	18.74		
		16QAM	18.75		
		64QAM	18.79		
		256QAM	18.80		
	Top	QPSK	18.79		
		16QAM	18.82		
		64QAM	18.84		
		256QAM	18.84		



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-2018-03329
 Page (361) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 20MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5MHz + BW 20MHz	Contiguous	1	Bottom	QPSK	23.37
				16QAM	23.41
				64QAM	23.48
				256QAM	23.48
			Top	QPSK	23.41
				16QAM	23.43
				64QAM	23.53
				256QAM	23.53
		2	Bottom	QPSK	23.34
				16QAM	23.42
				64QAM	23.48
				256QAM	23.48
			Top	QPSK	23.40
				16QAM	23.42
				64QAM	23.53
				256QAM	23.53
		3	Bottom	QPSK	23.34
				16QAM	23.44
				64QAM	23.49
				256QAM	23.48
Top	QPSK		23.40		
	16QAM		23.42		
	64QAM		23.53		
	256QAM		23.53		
4	Bottom	QPSK	23.34		
		16QAM	23.42		
		64QAM	23.49		
		256QAM	23.48		
	Top	QPSK	23.40		
		16QAM	23.39		
		64QAM	23.53		
		256QAM	23.53		



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-2018-03329
 Page (362) / (2957)
 Pages

Test Data : Band 66, BW 10MHz + BW 10MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 10MHz + BW 10MHz	Contiguous	1	Bottom	QPSK	18.75
				16QAM	18.79
				64QAM	18.80
				256QAM	18.81
			Top	QPSK	18.81
				16QAM	18.79
				64QAM	18.84
				256QAM	18.84
		2	Bottom	QPSK	18.78
				16QAM	18.80
				64QAM	18.80
				256QAM	18.81
			Top	QPSK	18.82
				16QAM	18.80
				64QAM	18.84
				256QAM	18.84
		3	Bottom	QPSK	18.76
				16QAM	18.79
				64QAM	18.79
				256QAM	18.80
Top	QPSK		18.81		
	16QAM		18.82		
	64QAM		18.84		
	256QAM		18.84		
4	Bottom	QPSK	18.78		
		16QAM	18.79		
		64QAM	18.79		
		256QAM	18.80		
	Top	QPSK	18.81		
		16QAM	18.80		
		64QAM	18.84		
		256QAM	18.84		



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-2018-03329
 Page (363) / (2957)
 Pages

Test Data : Band 66, BW 10MHz + BW 15MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 10MHz + BW 15MHz	Contiguous	1	Bottom	QPSK	23.46
				16QAM	23.48
				64QAM	23.50
				256QAM	23.50
			Top	QPSK	23.53
				16QAM	23.53
				64QAM	23.54
				256QAM	23.54
		2	Bottom	QPSK	23.50
				16QAM	23.47
				64QAM	23.50
				256QAM	23.50
			Top	QPSK	23.53
				16QAM	23.55
				64QAM	23.54
				256QAM	23.54
		3	Bottom	QPSK	23.46
				16QAM	23.47
				64QAM	23.50
				256QAM	23.50
Top	QPSK		23.54		
	16QAM		23.52		
	64QAM		23.54		
	256QAM		23.54		
4	Bottom	QPSK	23.48		
		16QAM	23.47		
		64QAM	23.49		
		256QAM	23.49		
	Top	QPSK	23.54		
		16QAM	23.53		
		64QAM	23.54		
		256QAM	23.54		



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-2018-03329
 Page (364) / (2957)
 Pages

Test Data : Band 66, BW 10MHz + BW 20MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 10MHz + BW 20MHz	Contiguous	1	Bottom	QPSK	28.11
				16QAM	28.10
				64QAM	28.18
				256QAM	28.18
			Top	QPSK	28.14
				16QAM	28.14
				64QAM	28.24
				256QAM	28.24
		2	Bottom	QPSK	28.11
				16QAM	28.11
				64QAM	28.19
				256QAM	28.19
			Top	QPSK	28.13
				16QAM	28.13
				64QAM	28.23
				256QAM	28.24
		3	Bottom	QPSK	28.13
				16QAM	28.09
				64QAM	28.18
				256QAM	28.18
Top	QPSK		28.16		
	16QAM		28.13		
	64QAM		28.23		
	256QAM		28.24		
4	Bottom	QPSK	28.10		
		16QAM	28.09		
		64QAM	28.17		
		256QAM	28.17		
	Top	QPSK	28.13		
		16QAM	28.13		
		64QAM	28.23		
		256QAM	28.24		



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-2018-03329
 Page (365) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 5MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5MHz + BW 5MHz	Non- Contiguous	1	Bottom	QPSK	4.43
				16QAM	4.44
				64QAM	4.48
				256QAM	4.48
			Top	QPSK	4.45
				16QAM	4.46
				64QAM	4.50
				256QAM	4.50
		2	Bottom	QPSK	4.45
				16QAM	4.44
				64QAM	4.49
				256QAM	4.49
			Top	QPSK	4.47
				16QAM	4.47
				64QAM	4.50
				256QAM	4.50
		3	Bottom	QPSK	4.44
				16QAM	4.45
				64QAM	4.48
				256QAM	4.48
Top	QPSK		4.47		
	16QAM		4.47		
	64QAM		4.50		
	256QAM		4.50		
4	Bottom	QPSK	4.45		
		16QAM	4.44		
		64QAM	4.48		
		256QAM	4.48		
	Top	QPSK	4.46		
		16QAM	4.46		
		64QAM	4.50		
		256QAM	4.50		



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-2018-03329
 Page (366) / (2957)
 Pages

Test Data : Band 66, BW 10MHz + BW 5MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 10MHz + BW 5MHz	Non- Contiguous	1	Bottom	QPSK	8.90
				16QAM	8.91
				64QAM	8.92
				256QAM	8.92
			Top	QPSK	4.47
				16QAM	4.47
				64QAM	4.50
				256QAM	4.50
		2	Bottom	QPSK	8.90
				16QAM	8.90
				64QAM	8.92
				256QAM	8.92
			Top	QPSK	4.46
				16QAM	4.46
				64QAM	4.50
				256QAM	4.50
		3	Bottom	QPSK	8.90
				16QAM	8.90
				64QAM	8.92
				256QAM	8.92
Top	QPSK		4.46		
	16QAM		4.46		
	64QAM		4.50		
	256QAM		4.50		
4	Bottom	QPSK	8.90		
		16QAM	8.90		
		64QAM	8.92		
		256QAM	8.92		
	Top	QPSK	4.46		
		16QAM	4.47		
		64QAM	4.50		
		256QAM	4.50		



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-2018-03329
 Page (367) / (2957)
 Pages

Test Data : Band 66, BW 10MHz + BW 10MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 10MHz + BW 10MHz	Non- Contiguous	1	Bottom	QPSK	8.90
				16QAM	8.90
				64QAM	8.92
				256QAM	8.92
			Top	QPSK	8.93
				16QAM	8.92
				64QAM	8.94
				256QAM	8.94
		2	Bottom	QPSK	8.90
				16QAM	8.90
				64QAM	8.92
				256QAM	8.92
			Top	QPSK	8.92
				16QAM	8.92
				64QAM	8.94
				256QAM	8.94
		3	Bottom	QPSK	8.89
				16QAM	8.90
				64QAM	8.92
				256QAM	8.92
Top	QPSK		8.93		
	16QAM		8.92		
	64QAM		8.94		
	256QAM		8.94		
4	Bottom	QPSK	8.89		
		16QAM	8.90		
		64QAM	8.91		
		256QAM	8.91		
	Top	QPSK	8.92		
		16QAM	8.91		
		64QAM	8.94		
		256QAM	8.94		



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-2018-03329
 Page (368) / (2957)
 Pages

Test Data : Band 66, BW 15MHz + BW 5MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 15MHz + BW 5MHz	Non- Contiguous	1	Bottom	QPSK	13.37
				16QAM	13.37
				64QAM	13.37
				256QAM	13.37
			Top	QPSK	4.46
				16QAM	4.46
				64QAM	4.50
				256QAM	4.50
		2	Bottom	QPSK	13.38
				16QAM	13.37
				64QAM	13.37
				256QAM	13.37
			Top	QPSK	4.47
				16QAM	4.46
				64QAM	4.50
				256QAM	4.50
		3	Bottom	QPSK	13.38
				16QAM	13.37
				64QAM	13.37
				256QAM	13.37
Top	QPSK		4.47		
	16QAM		4.47		
	64QAM		4.50		
	256QAM		4.50		
4	Bottom	QPSK	13.38		
		16QAM	13.38		
		64QAM	13.37		
		256QAM	13.37		
	Top	QPSK	4.47		
		16QAM	4.47		
		64QAM	4.50		
		256QAM	4.50		



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-2018-03329
 Page (369) / (2957)
 Pages

Test Data : Band 66, BW 15MHz + BW 10MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 15MHz + BW 10MHz	Non- Contiguous	1	Bottom	QPSK	13.37
				16QAM	13.36
				64QAM	13.37
				256QAM	13.37
			Top	QPSK	8.91
				16QAM	8.92
				64QAM	8.94
				256QAM	8.94
		2	Bottom	QPSK	13.38
				16QAM	13.38
				64QAM	13.37
				256QAM	13.37
			Top	QPSK	8.92
				16QAM	8.92
				64QAM	8.93
				256QAM	8.93
		3	Bottom	QPSK	13.36
				16QAM	13.37
				64QAM	13.37
				256QAM	13.37
Top	QPSK		8.91		
	16QAM		8.93		
	64QAM		8.93		
	256QAM		8.93		
4	Bottom	QPSK	13.37		
		16QAM	13.39		
		64QAM	13.37		
		256QAM	13.37		
	Top	QPSK	8.92		
		16QAM	8.92		
		64QAM	8.93		
		256QAM	8.93		



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-2018-03329
 Page (370) / (2957)
 Pages

Test Data : Band 66, BW 20MHz + BW 5MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 20MHz + BW 5MHz	Non- Contiguous	1	Bottom	QPSK	17.79
				16QAM	17.79
				64QAM	17.81
				256QAM	17.82
			Top	QPSK	4.47
				16QAM	4.46
				64QAM	4.50
				256QAM	4.50
		2	Bottom	QPSK	17.76
				16QAM	17.78
				64QAM	17.82
				256QAM	17.82
			Top	QPSK	4.46
				16QAM	4.47
				64QAM	4.50
				256QAM	4.50
		3	Bottom	QPSK	17.76
				16QAM	17.74
				64QAM	17.81
				256QAM	17.81
Top	QPSK		4.46		
	16QAM		4.46		
	64QAM		4.50		
	256QAM		4.50		
4	Bottom	QPSK	17.78		
		16QAM	17.75		
		64QAM	17.81		
		256QAM	17.81		
	Top	QPSK	4.46		
		16QAM	4.47		
		64QAM	4.50		
		256QAM	4.50		



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-2018-03329
 Page (371) / (2957)
 Pages

Test Data : Band 66, BW 20MHz + BW 10MHz, Multi 2 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 20MHz + BW 10MHz	Non- Contiguous	1	Bottom	QPSK	17.79
				16QAM	17.76
				64QAM	17.82
				256QAM	17.81
			Top	QPSK	8.93
				16QAM	8.92
				64QAM	8.94
				256QAM	8.93
		2	Bottom	QPSK	17.76
				16QAM	17.78
				64QAM	17.81
				256QAM	17.82
			Top	QPSK	8.92
				16QAM	8.91
				64QAM	8.93
				256QAM	8.93
		3	Bottom	QPSK	17.80
				16QAM	17.76
				64QAM	17.81
				256QAM	17.81
Top	QPSK		8.92		
	16QAM		8.91		
	64QAM		8.94		
	256QAM		8.94		
4	Bottom	QPSK	17.73		
		16QAM	17.77		
		64QAM	17.81		
		256QAM	17.81		
	Top	QPSK	8.92		
		16QAM	8.91		
		64QAM	8.93		
		256QAM	8.93		



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-2018-03329
 Page (372) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 5MHz + BW 5MHz, Multi 3 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5MHz + BW 5MHz + BW 5MHz	Contiguous	1	Bottom	QPSK	14.26
				16QAM	14.25
				64QAM	14.34
				256QAM	14.36
			Middle	QPSK	14.32
				16QAM	14.31
				64QAM	14.38
				256QAM	14.38
			Top	QPSK	14.32
				16QAM	14.32
				64QAM	14.38
				256QAM	14.38
		2	Bottom	QPSK	14.28
				16QAM	14.28
				64QAM	14.34
				256QAM	14.35
			Middle	QPSK	14.32
				16QAM	14.32
				64QAM	14.38
				256QAM	14.38
			Top	QPSK	14.31
				16QAM	14.31
				64QAM	14.38
				256QAM	14.38
		3	Bottom	QPSK	14.26
				16QAM	14.25
				64QAM	14.35
				256QAM	14.35
			Middle	QPSK	14.30
				16QAM	14.30
				64QAM	14.38
				256QAM	14.38
			Top	QPSK	14.31
				16QAM	14.30
				64QAM	14.38
				256QAM	14.38
		4	Bottom	QPSK	14.27
				16QAM	14.24
				64QAM	14.34
				256QAM	14.34
			Middle	QPSK	14.31
				16QAM	14.31
				64QAM	14.38
				256QAM	14.38
			Top	QPSK	14.30
				16QAM	14.31
				64QAM	14.38
				256QAM	14.38



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-2018-03329
 Page (373) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 10MHz + BW 5MHz, Multi 3 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5MHz + BW 10MHz + BW 5MHz	Contiguous	1	Bottom	QPSK	19.18
				16QAM	19.23
				64QAM	19.29
				256QAM	19.29
			Middle	QPSK	19.25
				16QAM	19.28
				64QAM	19.34
				256QAM	19.34
			Top	QPSK	19.26
				16QAM	19.28
				64QAM	19.34
				256QAM	19.33
		2	Bottom	QPSK	19.17
				16QAM	19.23
				64QAM	19.29
				256QAM	19.29
			Middle	QPSK	19.24
				16QAM	19.27
				64QAM	19.34
				256QAM	19.33
			Top	QPSK	19.26
				16QAM	19.29
				64QAM	19.34
				256QAM	19.34
		3	Bottom	QPSK	19.17
				16QAM	19.24
				64QAM	19.29
				256QAM	19.29
			Middle	QPSK	19.23
				16QAM	19.28
				64QAM	19.33
				256QAM	19.33
			Top	QPSK	19.24
				16QAM	19.28
				64QAM	19.34
				256QAM	19.33
		4	Bottom	QPSK	19.19
				16QAM	19.23
				64QAM	19.30
				256QAM	19.29
			Middle	QPSK	19.26
				16QAM	19.28
				64QAM	19.34
				256QAM	19.34
			Top	QPSK	19.24
				16QAM	19.28
				64QAM	19.33
				256QAM	19.33



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-2018-03329
 Page (374) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 10MHz + BW 10MHz, Multi 3 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5MHz + BW 10MHz + BW 10MHz	Contiguous	1	Bottom	QPSK	23.89
				16QAM	23.98
				64QAM	23.98
				256QAM	23.99
			Middle	QPSK	23.99
				16QAM	24.02
				64QAM	24.04
				256QAM	24.04
			Top	QPSK	24.00
				16QAM	24.02
				64QAM	24.03
				256QAM	24.03
		2	Bottom	QPSK	23.88
				16QAM	23.97
				64QAM	23.99
				256QAM	23.98
			Middle	QPSK	24.00
				16QAM	24.02
				64QAM	24.05
				256QAM	24.04
			Top	QPSK	23.99
				16QAM	24.02
				64QAM	24.03
				256QAM	24.03
		3	Bottom	QPSK	23.91
				16QAM	23.95
				64QAM	23.99
				256QAM	23.99
			Middle	QPSK	23.96
				16QAM	24.02
				64QAM	24.04
				256QAM	24.04
			Top	QPSK	23.96
				16QAM	24.02
				64QAM	24.04
				256QAM	24.04
		4	Bottom	QPSK	23.90
				16QAM	23.98
				64QAM	23.99
				256QAM	23.98
			Middle	QPSK	23.98
				16QAM	24.04
				64QAM	24.05
				256QAM	24.05
			Top	QPSK	23.97
				16QAM	24.02
				64QAM	24.04
				256QAM	24.04



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-2018-03329
 Page (375) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 15MHz + BW 10MHz, Multi 3 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5MHz + BW 15MHz + BW 10MHz	Contiguous	1	Bottom	QPSK	28.83
				16QAM	28.88
				64QAM	28.94
				256QAM	28.94
			Middle	QPSK	28.92
				16QAM	28.96
				64QAM	28.99
				256QAM	28.99
			Top	QPSK	28.93
				16QAM	28.99
				64QAM	29.00
				256QAM	28.99
		2	Bottom	QPSK	28.85
				16QAM	28.88
				64QAM	28.94
				256QAM	28.94
			Middle	QPSK	28.93
				16QAM	28.98
				64QAM	29.00
				256QAM	29.00
			Top	QPSK	28.89
				16QAM	28.96
				64QAM	28.99
				256QAM	28.99
		3	Bottom	QPSK	28.87
				16QAM	28.90
				64QAM	28.95
				256QAM	28.95
			Middle	QPSK	28.92
				16QAM	28.96
				64QAM	29.00
				256QAM	29.00
			Top	QPSK	28.85
				16QAM	28.96
				64QAM	29.00
				256QAM	28.99
		4	Bottom	QPSK	28.84
				16QAM	28.93
				64QAM	28.94
				256QAM	28.94
			Middle	QPSK	28.93
				16QAM	28.98
				64QAM	29.00
				256QAM	29.00
			Top	QPSK	28.88
				16QAM	28.96
				64QAM	28.99
				256QAM	28.98



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-2018-03329
 Page (376) / (2957)
 Pages

Test Data : Band 66, BW 10MHz + BW 10MHz + BW 10MHz, Multi 3 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 10MHz + BW 10MHz + BW 10MHz	Contiguous	1	Bottom	QPSK	28.65
				16QAM	28.67
				64QAM	28.68
				256QAM	28.69
			Middle	QPSK	28.69
				16QAM	28.72
				64QAM	28.74
				256QAM	28.74
			Top	QPSK	28.69
				16QAM	28.73
				64QAM	28.74
				256QAM	28.74
		2	Bottom	QPSK	28.66
				16QAM	28.66
				64QAM	28.69
				256QAM	28.70
			Middle	QPSK	28.72
				16QAM	28.73
				64QAM	28.74
				256QAM	28.75
			Top	QPSK	28.70
				16QAM	28.73
				64QAM	28.73
				256QAM	28.74
		3	Bottom	QPSK	28.65
				16QAM	28.66
				64QAM	28.69
				256QAM	28.70
			Middle	QPSK	28.71
				16QAM	28.73
				64QAM	28.74
				256QAM	28.75
			Top	QPSK	28.72
				16QAM	28.72
				64QAM	28.73
				256QAM	28.74
		4	Bottom	QPSK	28.65
				16QAM	28.65
				64QAM	28.68
				256QAM	28.69
			Middle	QPSK	28.70
				16QAM	28.74
				64QAM	28.74
				256QAM	28.75
			Top	QPSK	28.69
				16QAM	28.72
				64QAM	28.73
				256QAM	28.74



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-2018-03329
 Page (377) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 5MHz + BW 5MHz, Multi 3 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5/5MHz + BW 5MHz	Non- Contiguous	1	Bottom	QPSK	9.36
				16QAM	9.34
				64QAM	9.41
				256QAM	9.41
			Top	QPSK	4.46
				16QAM	4.47
				64QAM	4.49
				256QAM	4.50
		2	Bottom	QPSK	9.37
				16QAM	9.34
				64QAM	9.41
				256QAM	9.41
			Top	QPSK	4.47
				16QAM	4.48
				64QAM	4.50
				256QAM	4.50
		3	Bottom	QPSK	9.35
				16QAM	9.37
				64QAM	9.41
				256QAM	9.41
Top	QPSK		4.47		
	16QAM		4.46		
	64QAM		4.50		
	256QAM		4.50		
4	Bottom	QPSK	9.33		
		16QAM	9.35		
		64QAM	9.41		
		256QAM	9.41		
	Top	QPSK	4.47		
		16QAM	4.47		
		64QAM	4.50		
		256QAM	4.50		



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-2018-03329
 Page (378) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 10MHz + BW 5MHz, Multi 3 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5/10MHz + BW 5MHz	Non- Contiguous	1	Bottom	QPSK	14.04
				16QAM	14.03
				64QAM	14.10
				256QAM	14.11
			Top	QPSK	4.48
				16QAM	4.48
				64QAM	4.50
				256QAM	4.50
		2	Bottom	QPSK	14.06
				16QAM	14.05
				64QAM	14.10
				256QAM	14.10
			Top	QPSK	4.47
				16QAM	4.48
				64QAM	4.50
				256QAM	4.50
		3	Bottom	QPSK	14.07
				16QAM	14.05
				64QAM	14.10
				256QAM	14.10
Top	QPSK		4.48		
	16QAM		4.48		
	64QAM		4.50		
	256QAM		4.50		
4	Bottom	QPSK	14.06		
		16QAM	14.04		
		64QAM	14.10		
		256QAM	14.10		
	Top	QPSK	4.48		
		16QAM	4.48		
		64QAM	4.50		
		256QAM	4.50		



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-2018-03329
 Page (379) / (2957)
 Pages

Test Data : Band 66, BW 5MHz + BW 10MHz + BW 10MHz, Multi 3 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 5/10MHz + BW 10MHz	Non- Contiguous	1	Bottom	QPSK	14.04
				16QAM	14.09
				64QAM	14.09
				256QAM	14.10
			Top	QPSK	8.92
				16QAM	8.92
				64QAM	8.93
				256QAM	8.93
		2	Bottom	QPSK	14.04
				16QAM	14.08
				64QAM	14.10
				256QAM	14.10
			Top	QPSK	8.92
				16QAM	8.94
				64QAM	8.93
				256QAM	8.93
		3	Bottom	QPSK	14.04
				16QAM	14.07
				64QAM	14.10
				256QAM	14.10
Top	QPSK		8.92		
	16QAM		8.94		
	64QAM		8.93		
	256QAM		8.94		
4	Bottom	QPSK	14.03		
		16QAM	14.07		
		64QAM	14.10		
		256QAM	14.10		
	Top	QPSK	8.90		
		16QAM	8.93		
		64QAM	8.93		
		256QAM	8.93		



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-2018-03329
 Page (380) / (2957)
 Pages

Test Data : Band 66, BW 10MHz + BW 15MHz + BW 5MHz, Multi 3 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 10/15MHz + BW 5MHz	Non- Contiguous	1	Bottom	QPSK	23.47
				16QAM	23.47
				64QAM	23.49
				256QAM	23.51
			Top	QPSK	4.46
				16QAM	4.47
				64QAM	4.50
				256QAM	4.50
		2	Bottom	QPSK	23.47
				16QAM	23.50
				64QAM	23.49
				256QAM	23.50
			Top	QPSK	4.46
				16QAM	4.48
				64QAM	4.50
				256QAM	4.50
		3	Bottom	QPSK	23.47
				16QAM	23.49
				64QAM	23.49
				256QAM	23.50
Top	QPSK		4.47		
	16QAM		4.48		
	64QAM		4.50		
	256QAM		4.50		
4	Bottom	QPSK	23.46		
		16QAM	23.48		
		64QAM	23.48		
		256QAM	23.49		
	Top	QPSK	4.46		
		16QAM	4.48		
		64QAM	4.50		
		256QAM	4.50		



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-2018-03329
 Page (381) / (2957)
 Pages

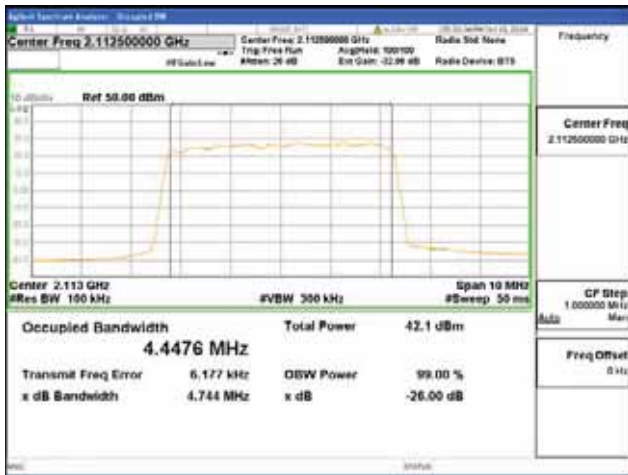
Test Data : Band 66, BW 10MHz + BW 10MHz + BW 10MHz, Multi 3 carrier, 4TX

Type	Carrier	Test Ant. port	Channel	Modulation	Occupied Bandwidth(MHz)
Band 66 BW 10/10MHz + BW 10MHz	Non- Contiguous	1	Bottom	QPSK	18.78
				16QAM	18.79
				64QAM	18.79
				256QAM	18.80
			Top	QPSK	8.91
				16QAM	8.93
				64QAM	8.94
				256QAM	8.94
		2	Bottom	QPSK	18.75
				16QAM	18.78
				64QAM	18.79
				256QAM	18.80
			Top	QPSK	8.91
				16QAM	8.93
				64QAM	8.93
				256QAM	8.93
		3	Bottom	QPSK	18.77
				16QAM	18.77
				64QAM	18.79
				256QAM	18.80
			Top	QPSK	8.92
				16QAM	8.93
				64QAM	8.93
				256QAM	8.94
		4	Bottom	QPSK	18.75
				16QAM	18.76
				64QAM	18.79
				256QAM	18.80
Top	QPSK		8.92		
	16QAM		8.93		
	64QAM		8.93		
	256QAM		8.93		

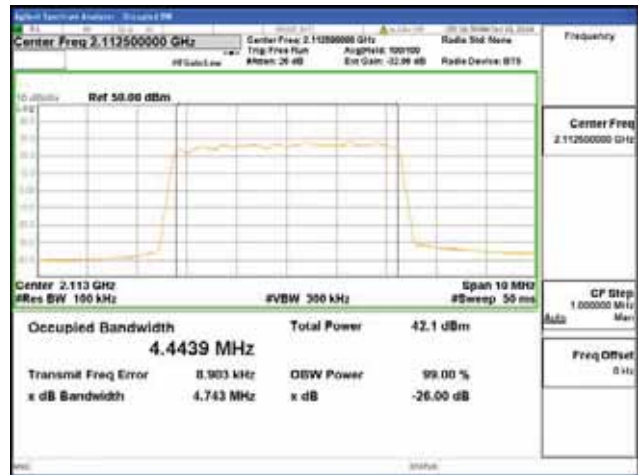


**Test Plot at Occupied Bandwidth
 ANT 1
 Band 66, BW 5MHz, Single 1 carrier, 4TX, Bottom**

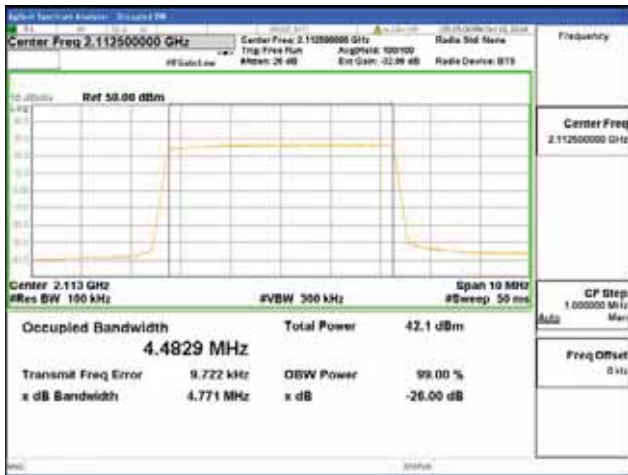
QPSK



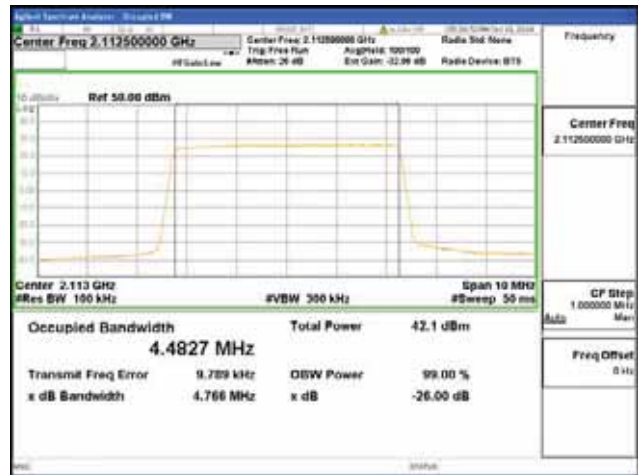
16QAM



64QAM



256QAM





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-2018-03329
 Page (383) / (2957)
 Pages

Band 66, BW 5MHz, Single 1 carrier, 4TX, Middle

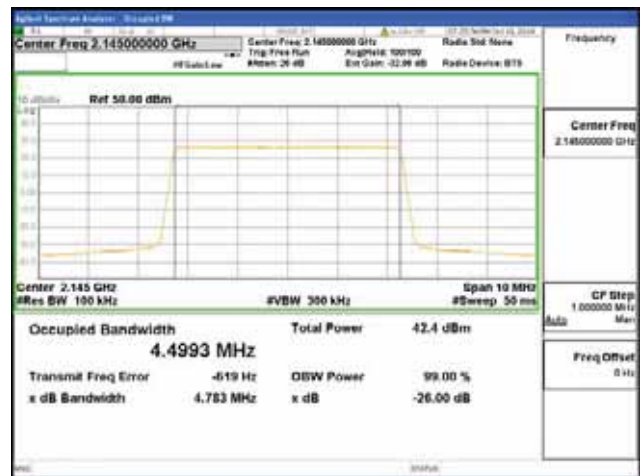
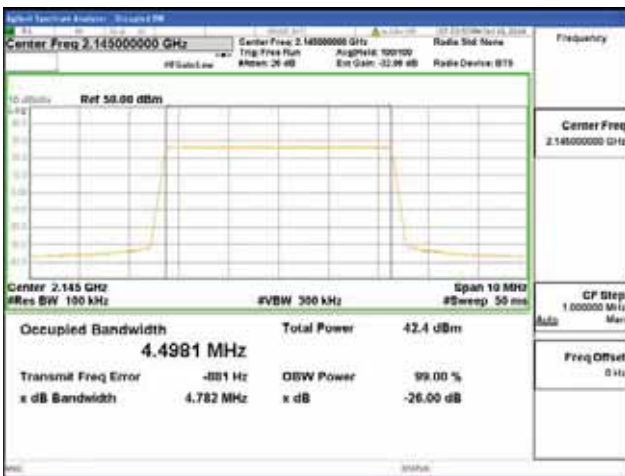
QPSK

16QAM



64QAM

256QAM





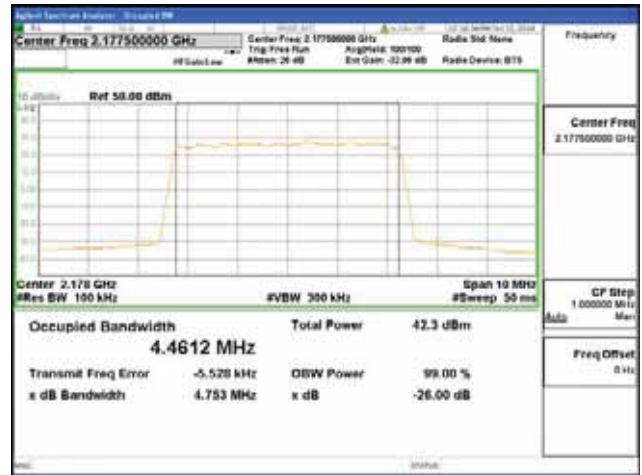
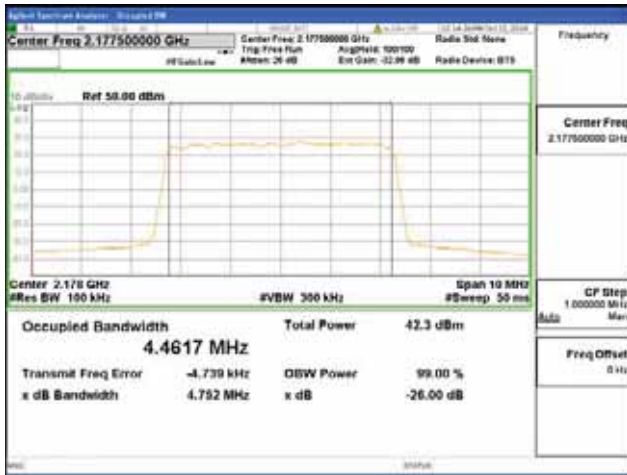
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (384) / (2957)
 Pages

Band 66, BW 5MHz, Single 1 carrier, 4TX, Top

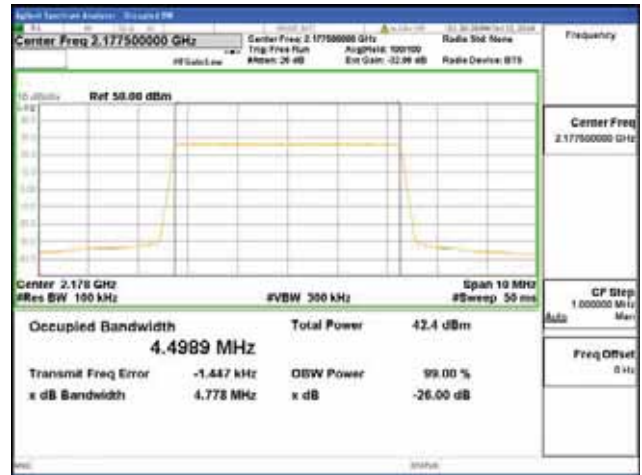
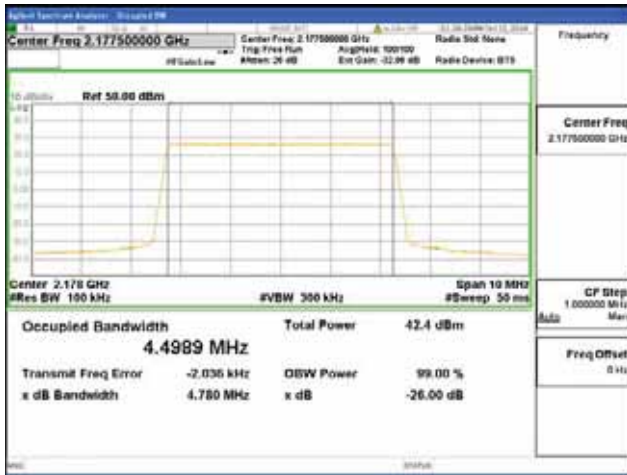
QPSK

16QAM



64QAM

256QAM

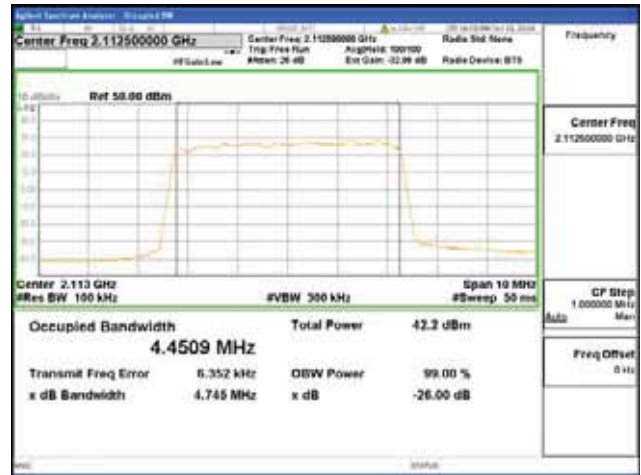
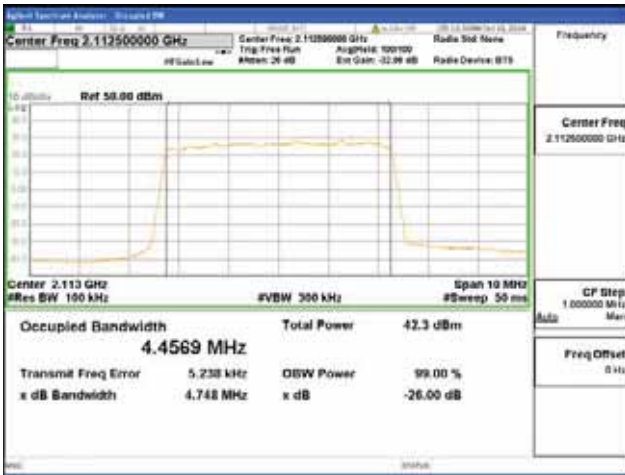




ANT 2
Band 66, BW 5MHz, Single 1 carrier, 4TX, Bottom

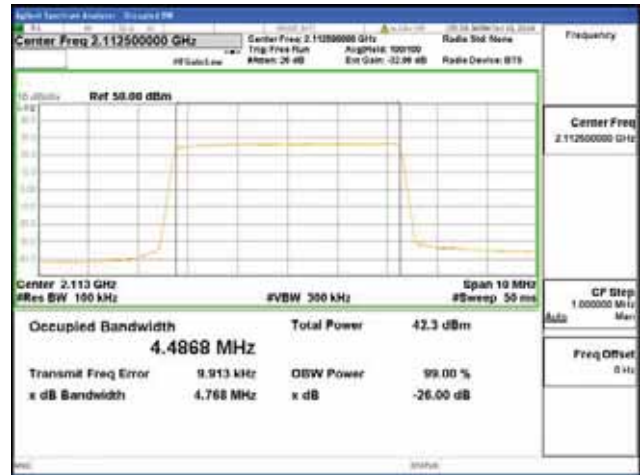
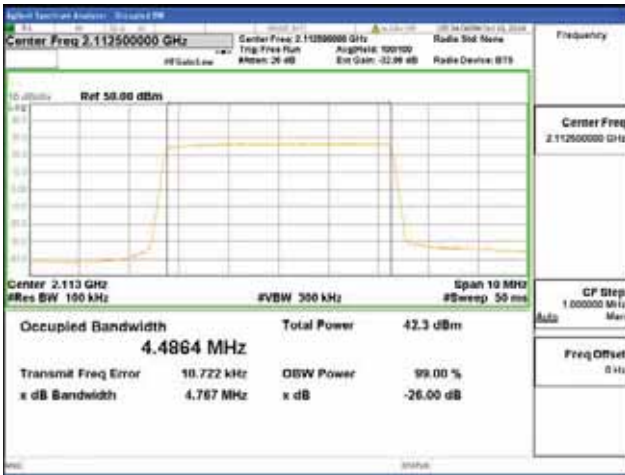
QPSK

16QAM



64QAM

256QAM





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-2018-03329
 Page (386) / (2957)
 Pages

Band 66, BW 5MHz, Single 1 carrier, 4TX, Middle

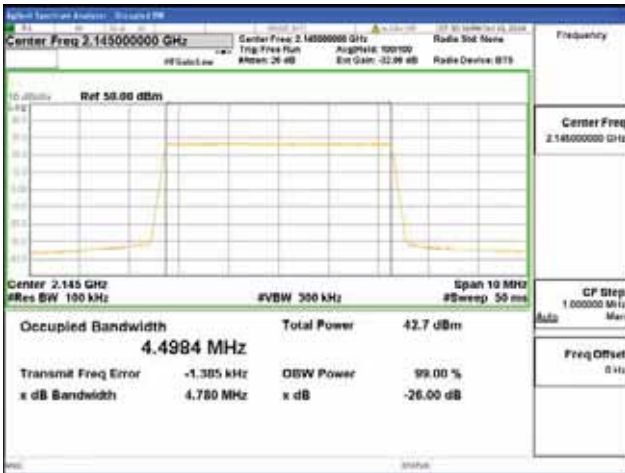
QPSK

16QAM



64QAM

256QAM





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-2018-03329
 Page (387) / (2957)
 Pages

Band 66, BW 5MHz, Single 1 carrier, 4TX, Top

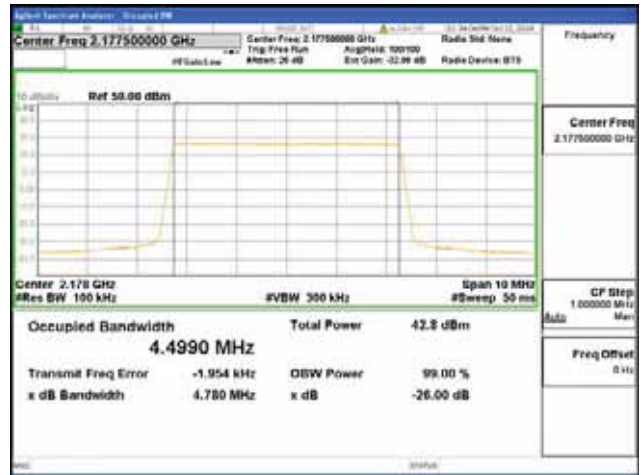
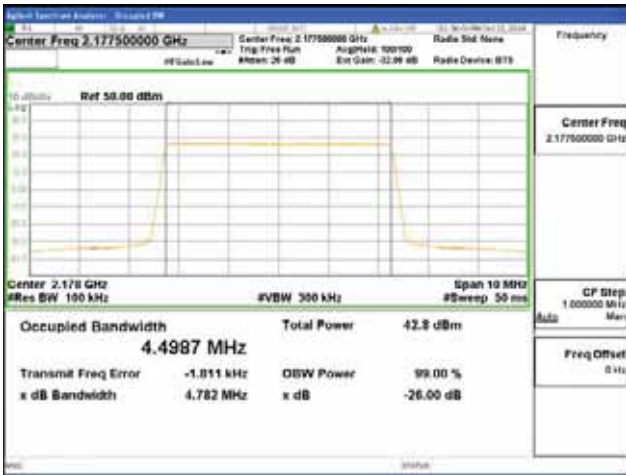
QPSK

16QAM



64QAM

256QAM



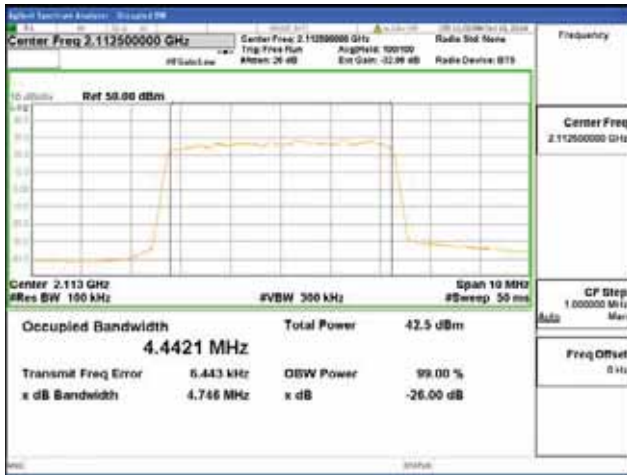


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

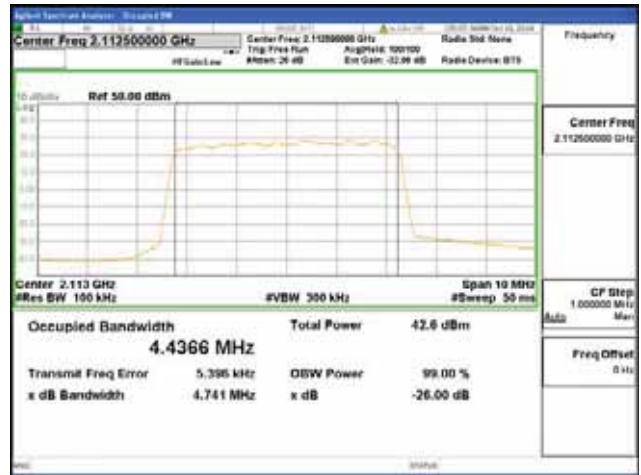
Report No.:
 CTK-2018-03329
 Page (388) / (2957)
 Pages

ANT 3
Band 66, BW 5MHz, Single 1 carrier, 4TX, Bottom

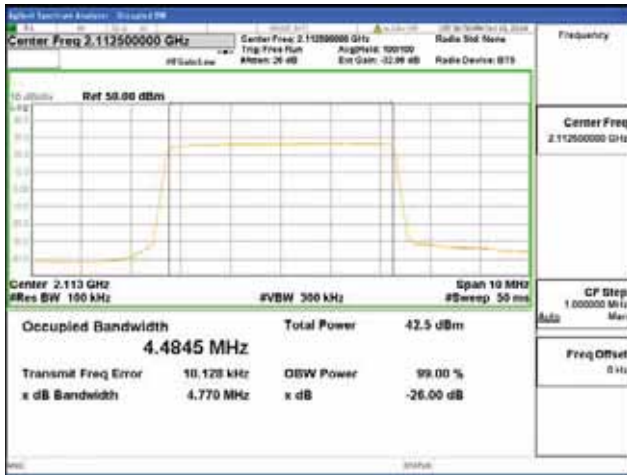
QPSK



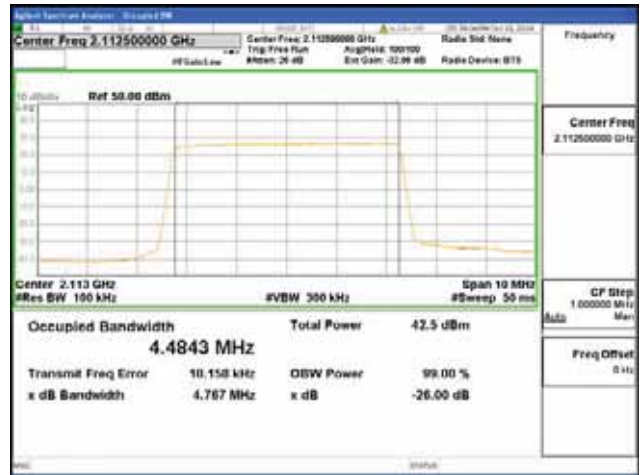
16QAM



64QAM



256QAM





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-2018-03329
 Page (389) / (2957)
 Pages

Band 66, BW 5MHz, Single 1 carrier, 4TX, Middle

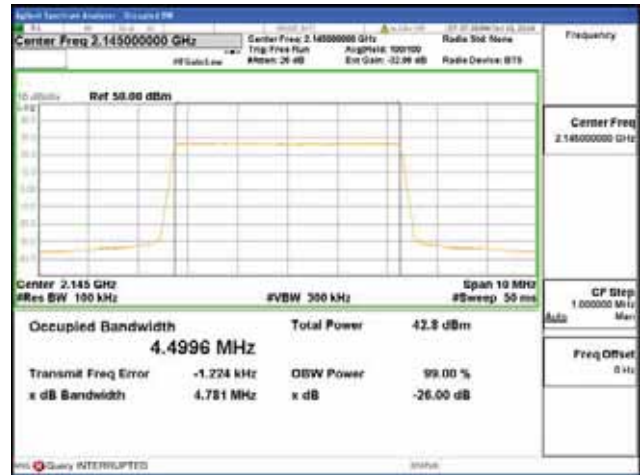
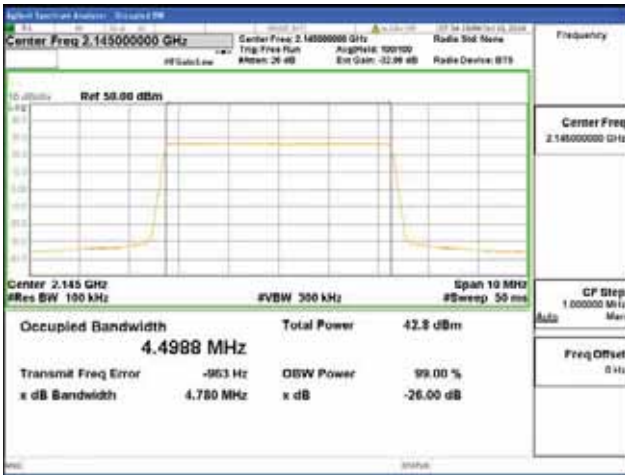
QPSK

16QAM



64QAM

256QAM





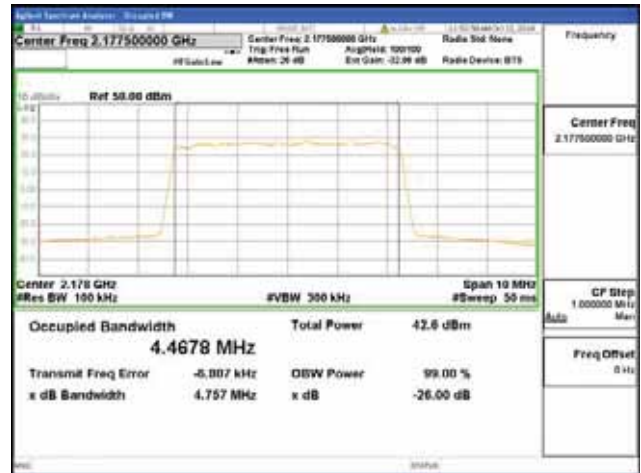
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (390) / (2957)
 Pages

Band 66, BW 5MHz, Single 1 carrier, 4TX, Top

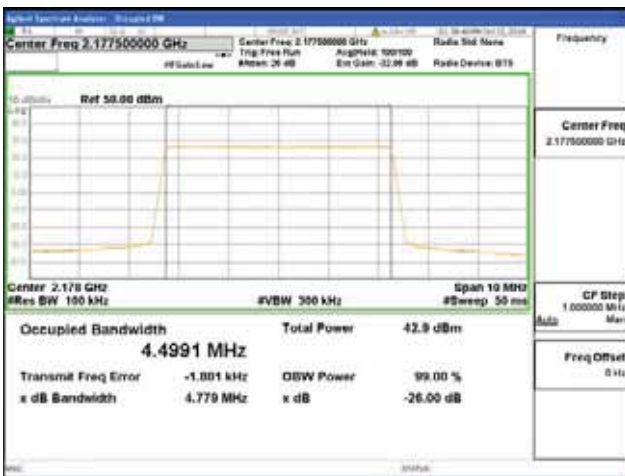
QPSK

16QAM



64QAM

256QAM





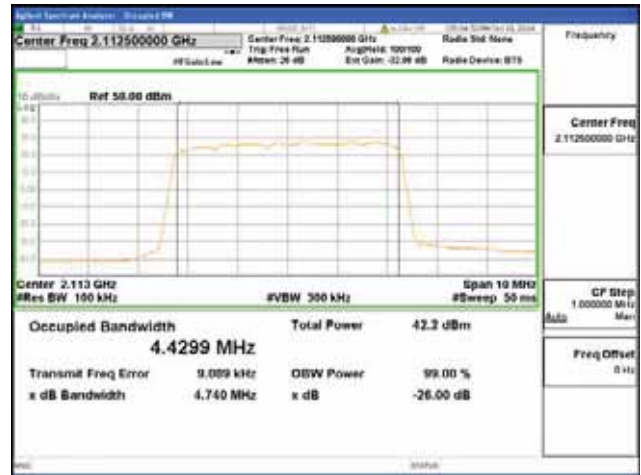
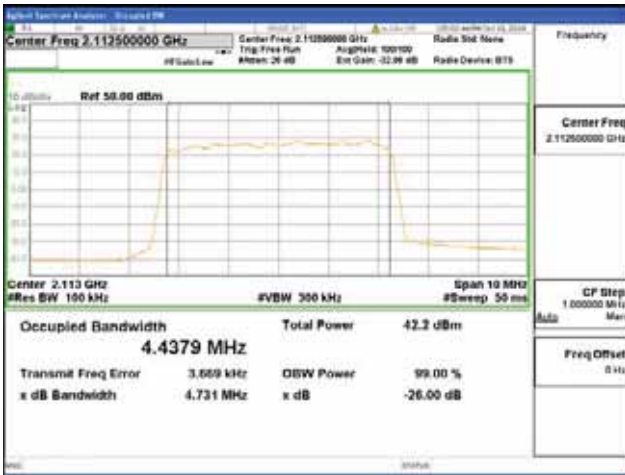
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (391) / (2957)
 Pages

ANT 4
Band 66, BW 5MHz, Single 1 carrier, 4TX, Bottom

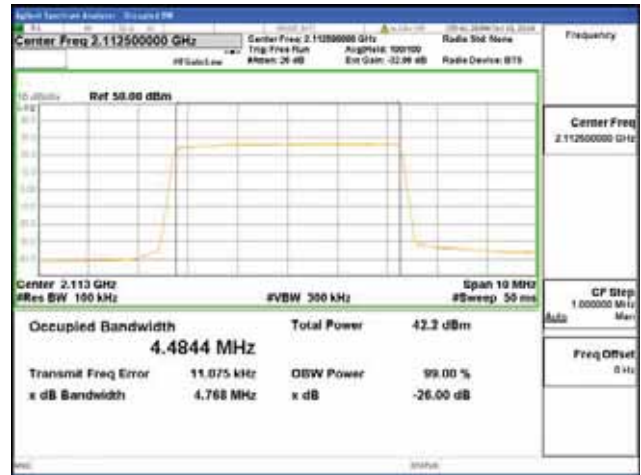
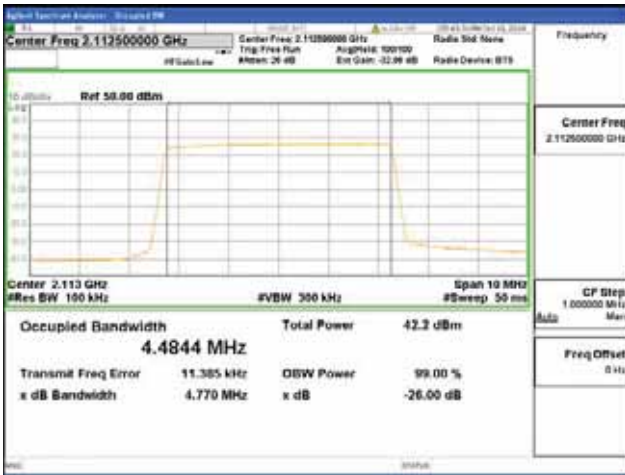
QPSK

16QAM



64QAM

256QAM





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-2018-03329
 Page (392) / (2957)
 Pages

Band 66, BW 5MHz, Single 1 carrier, 4TX, Middle

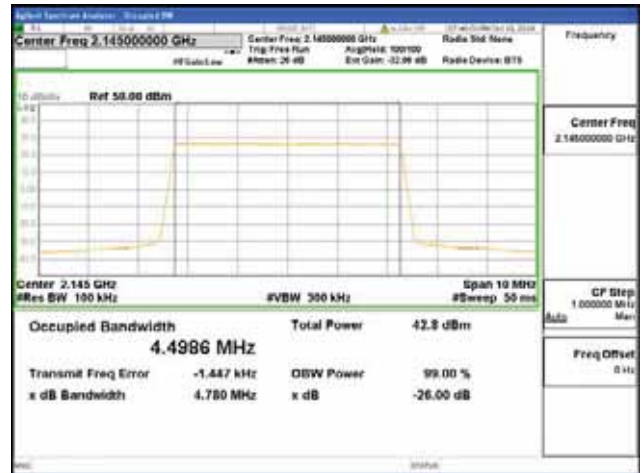
QPSK

16QAM



64QAM

256QAM





Band 66, BW 5MHz, Single 1 carrier, 4TX, Top

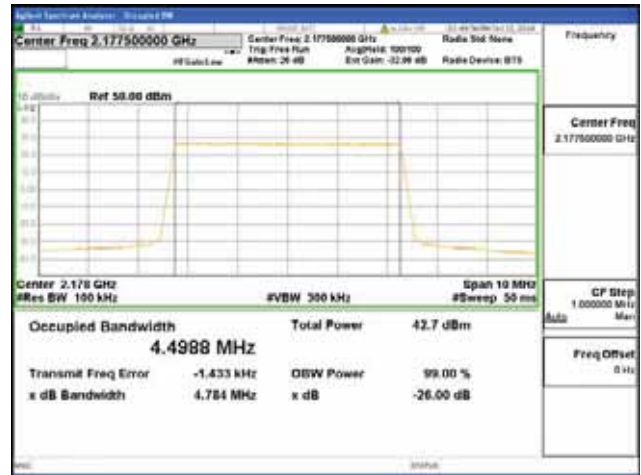
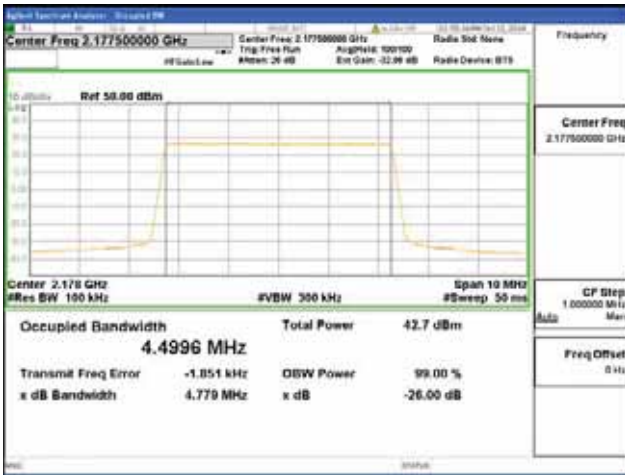
QPSK

16QAM



64QAM

256QAM





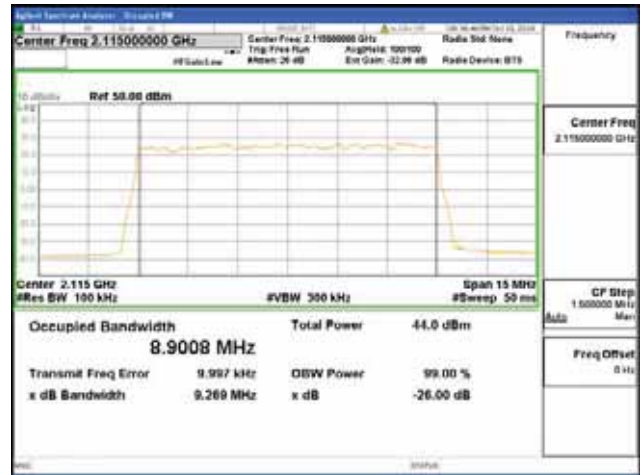
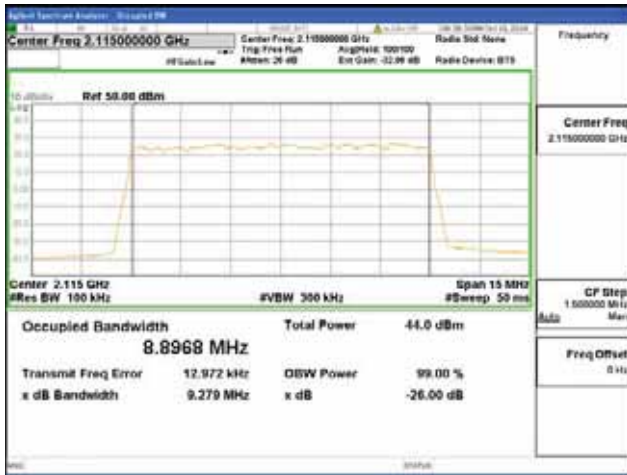
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (394) / (2957)
 Pages

ANT 1
Band 66, BW 10MHz, Single 1 carrier, 4TX, Bottom

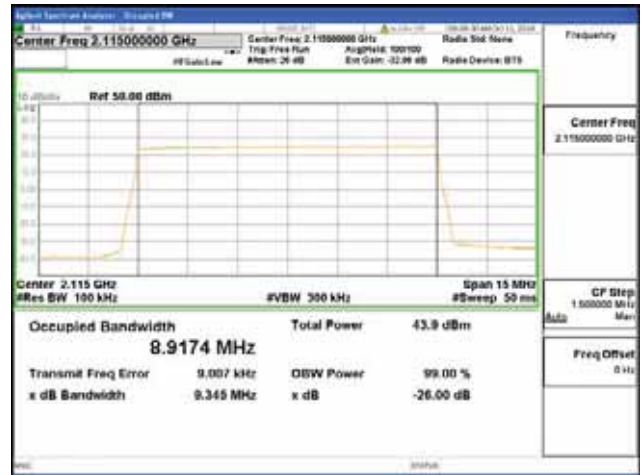
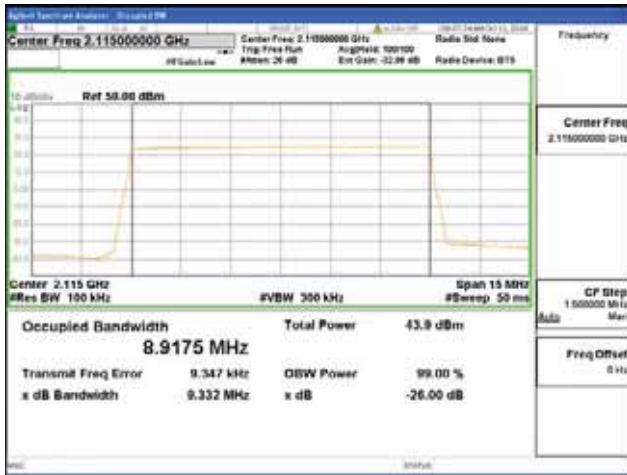
QPSK

16QAM



64QAM

256QAM



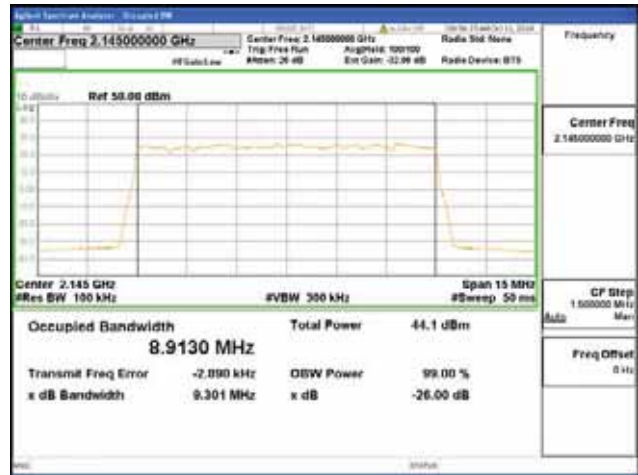


Band 66, BW 10MHz, Single 1 carrier, 4TX, Middle

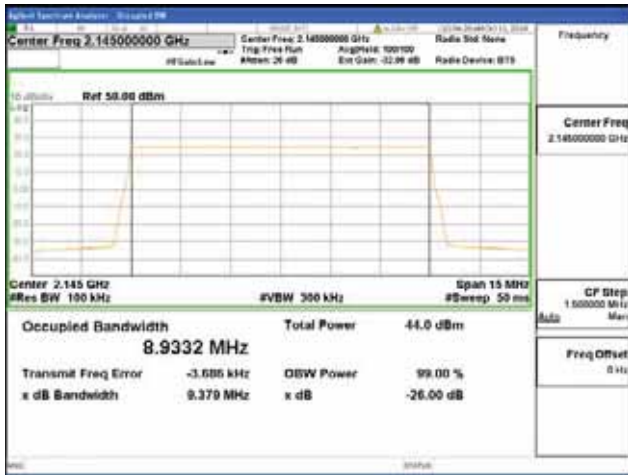
QPSK



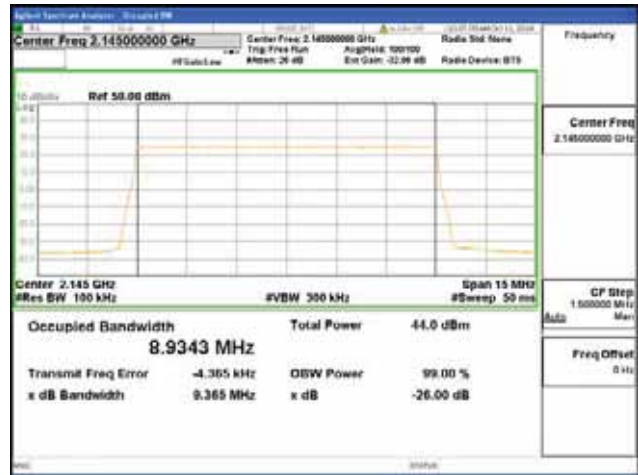
16QAM



64QAM



256QAM





Band 66, BW 10MHz, Single 1 carrier, 4TX, Top

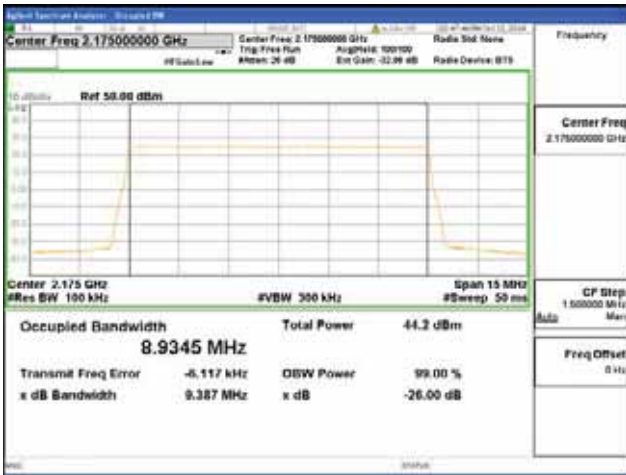
QPSK



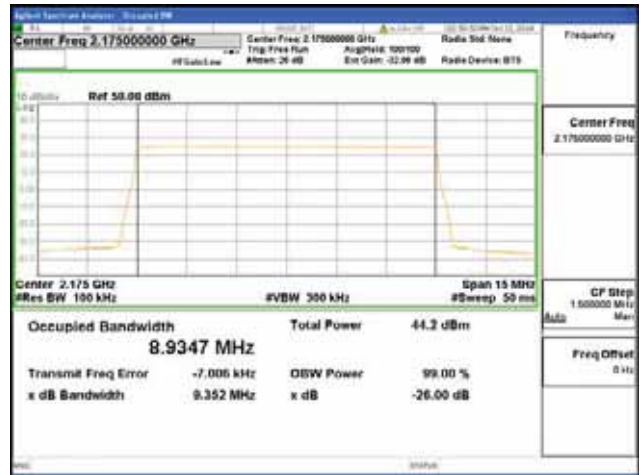
16QAM



64QAM



256QAM

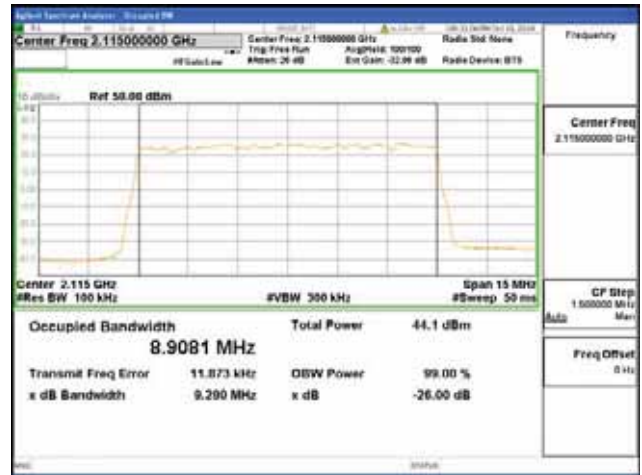
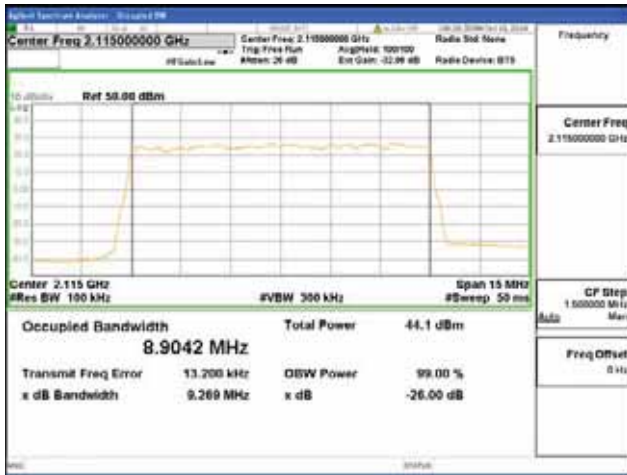




ANT 2
Band 66, BW 10MHz, Single 1 carrier, 4TX, Bottom

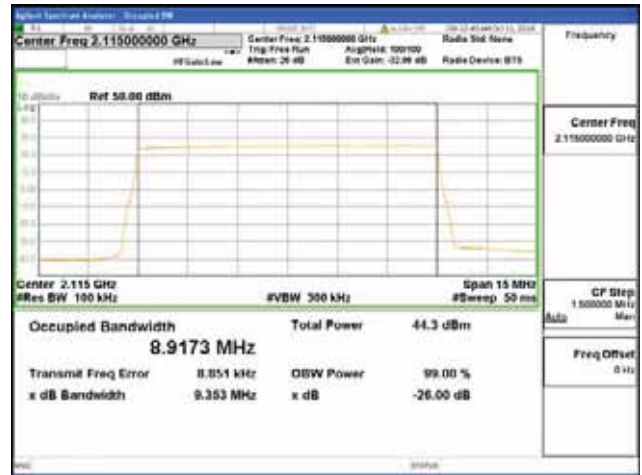
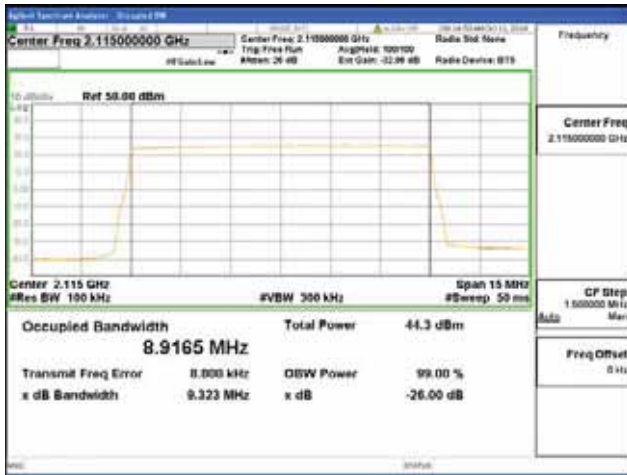
QPSK

16QAM



64QAM

256QAM

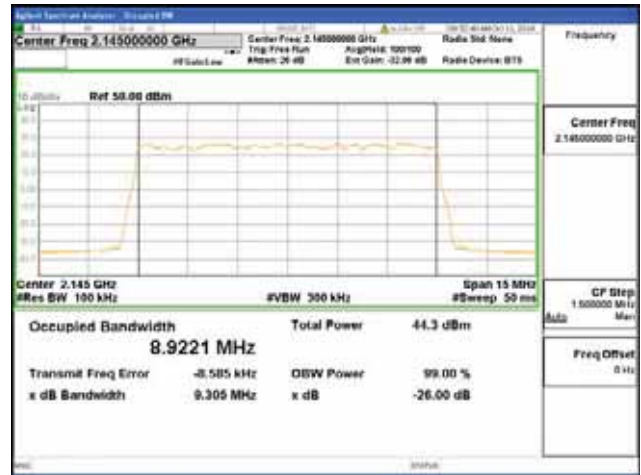
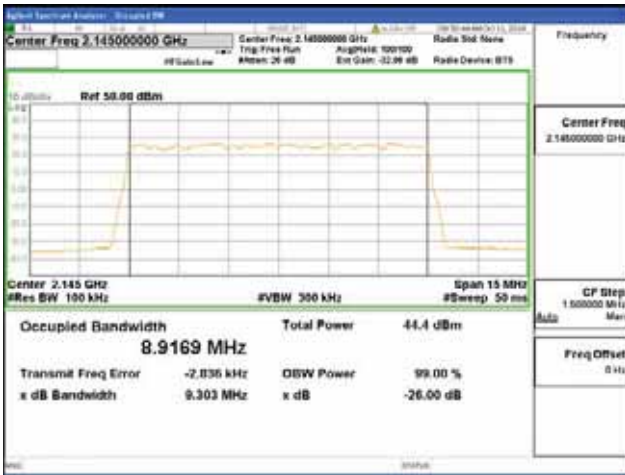




Band 66, BW 10MHz, Single 1 carrier, 4TX, Middle

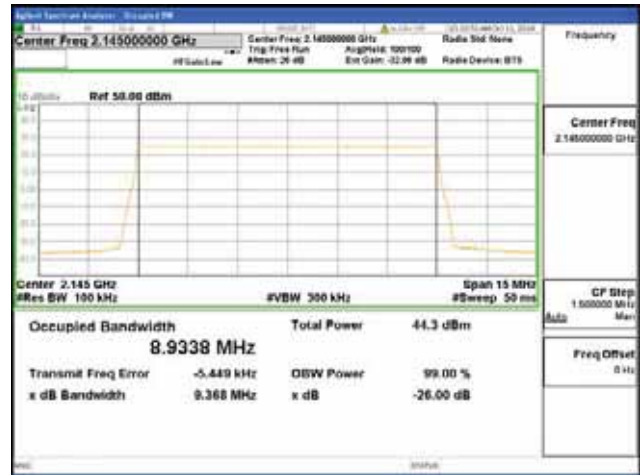
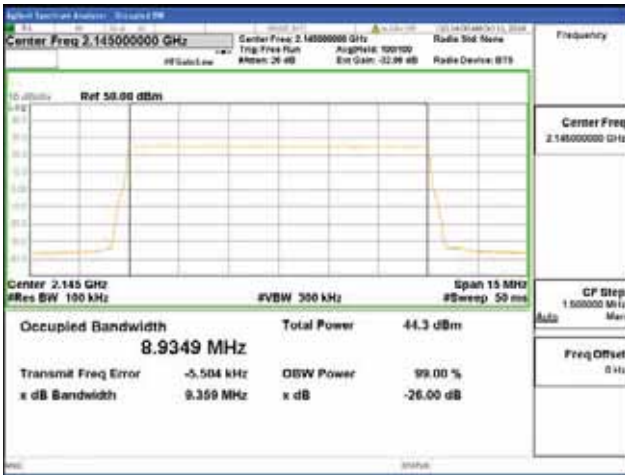
QPSK

16QAM



64QAM

256QAM





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-2018-03329
 Page (399) / (2957)
 Pages

Band 66, BW 10MHz, Single 1 carrier, 4TX, Top

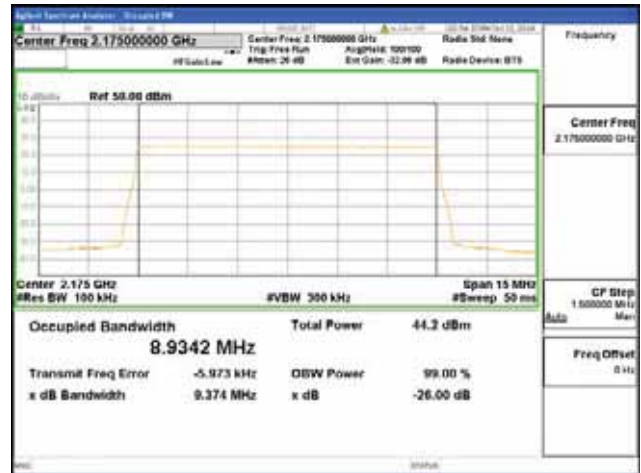
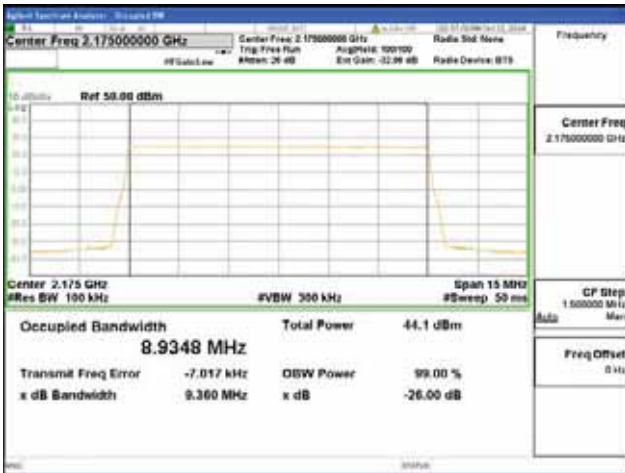
QPSK

16QAM



64QAM

256QAM





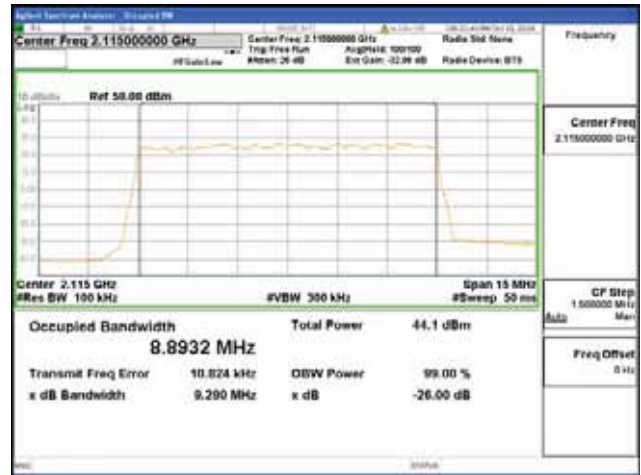
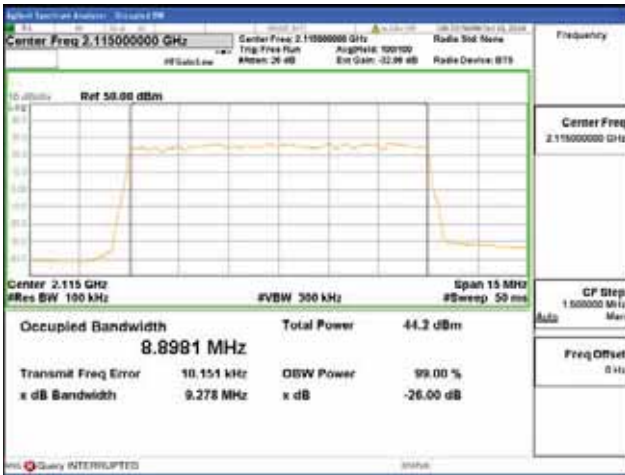
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (400) / (2957)
 Pages

ANT 3
Band 66, BW 10MHz, Single 1 carrier, 4TX, Bottom

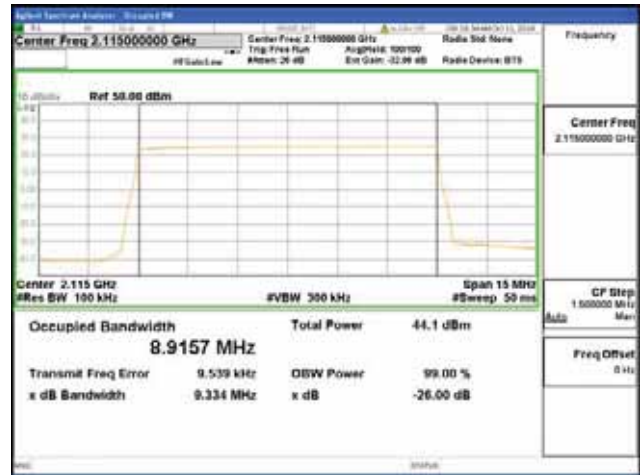
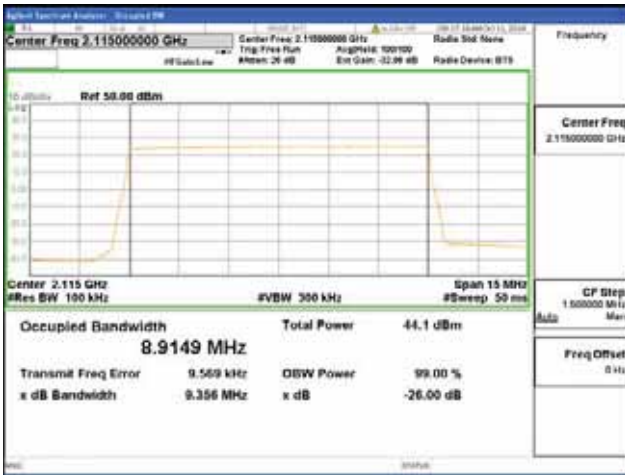
QPSK

16QAM



64QAM

256QAM





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-2018-03329
 Page (401) / (2957)
 Pages

Band 66, BW 10MHz, Single 1 carrier, 4TX, Middle

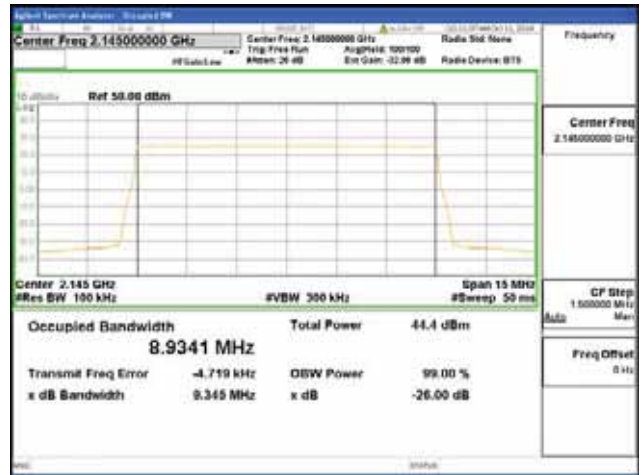
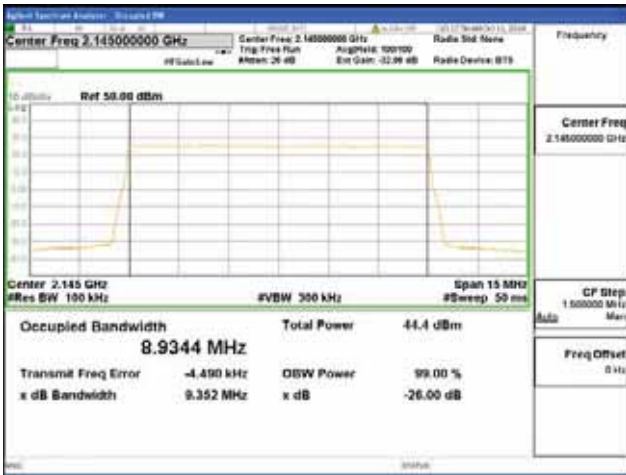
QPSK

16QAM



64QAM

256QAM





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-2018-03329
 Page (402) / (2957)
 Pages

Band 66, BW 10MHz, Single 1 carrier, 4TX, Top

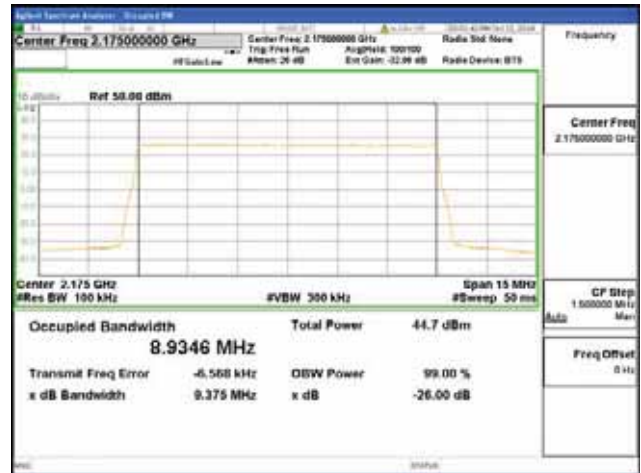
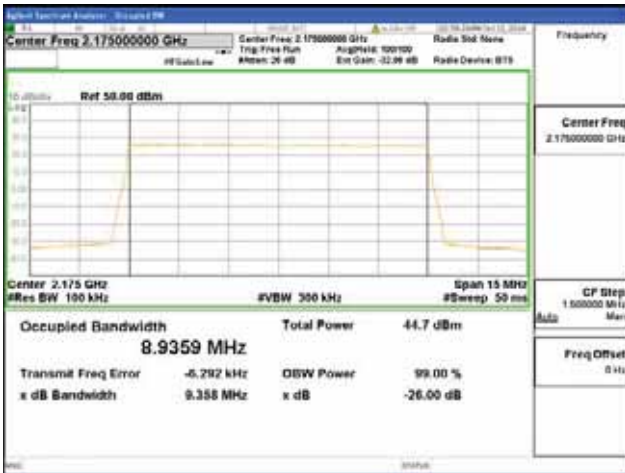
QPSK

16QAM



64QAM

256QAM

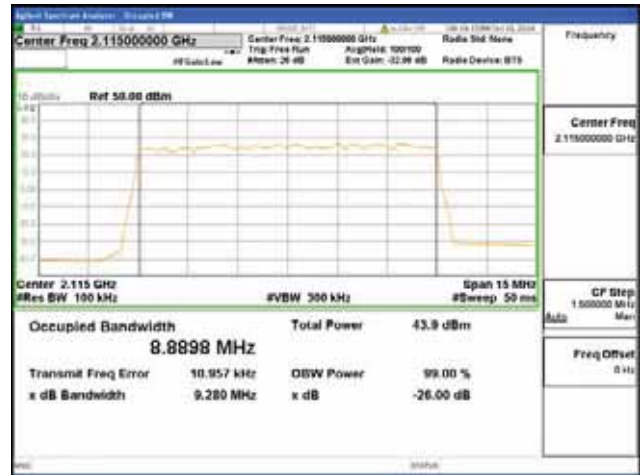
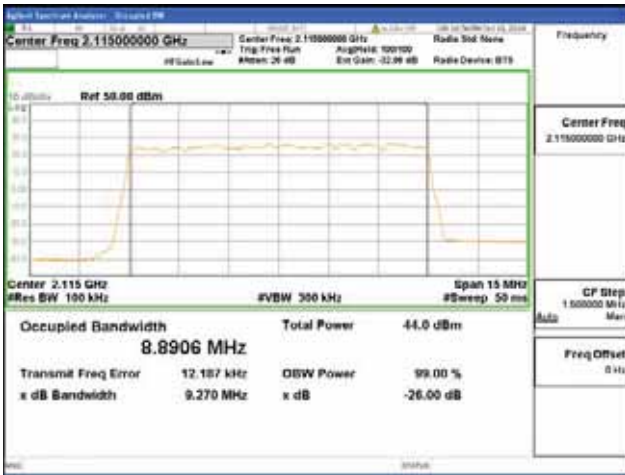




ANT 4
Band 66, BW 10MHz, Single 1 carrier, 4TX, Bottom

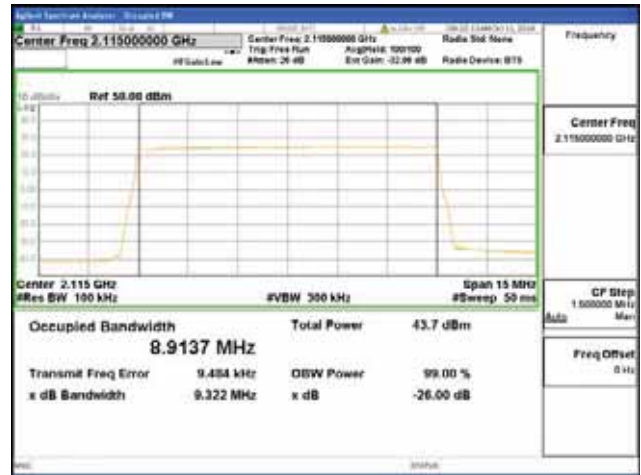
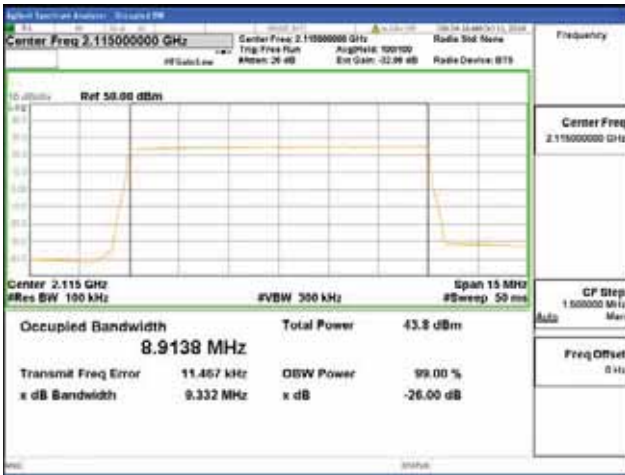
QPSK

16QAM



64QAM

256QAM





Band 66, BW 10MHz, Single 1 carrier, 4TX, Middle

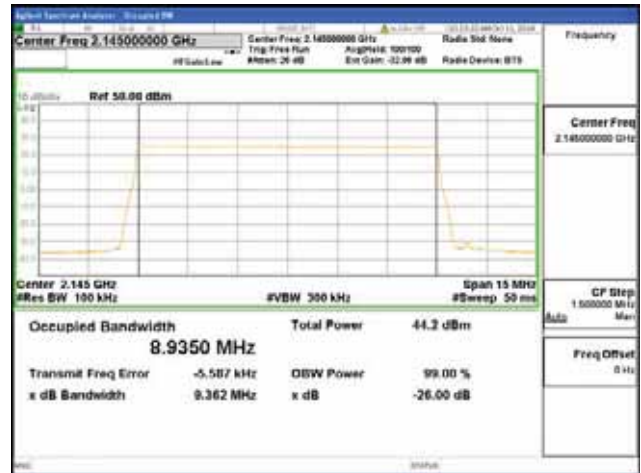
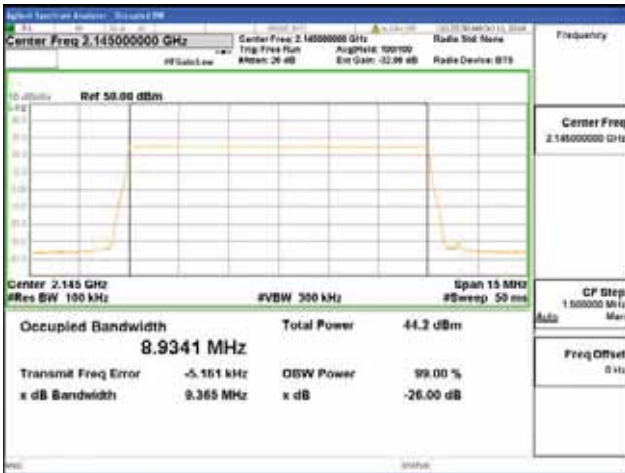
QPSK

16QAM



64QAM

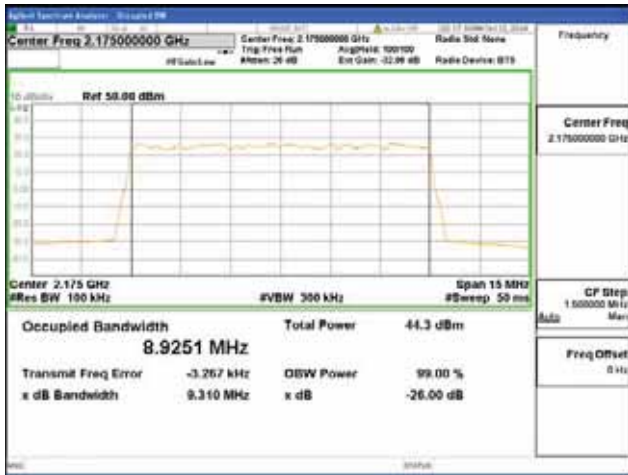
256QAM



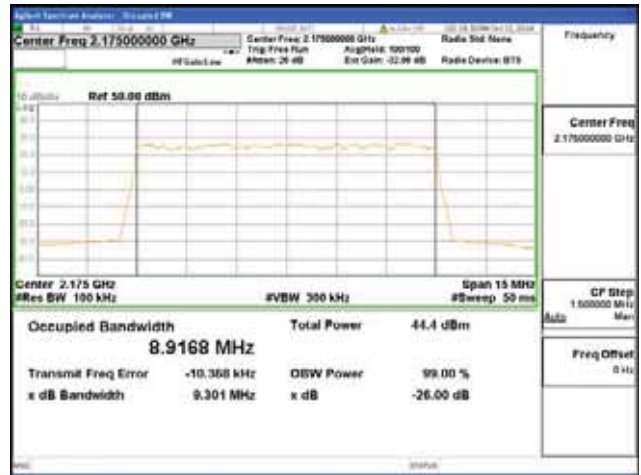


Band 66, BW 10MHz, Single 1 carrier, 4TX, Top

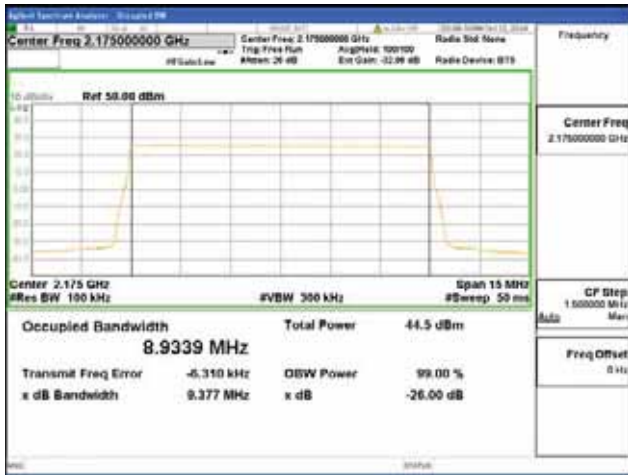
QPSK



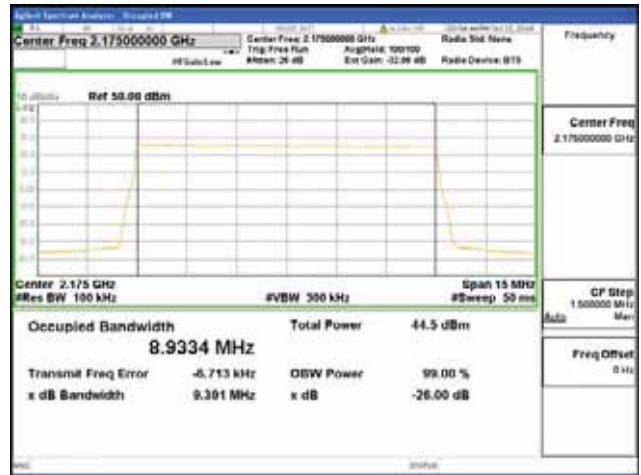
16QAM



64QAM



256QAM





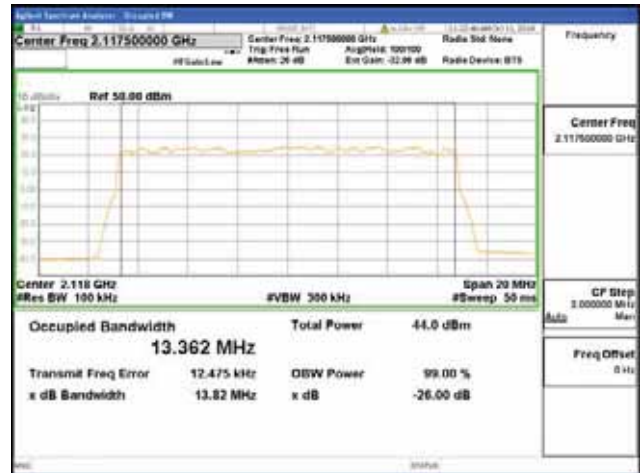
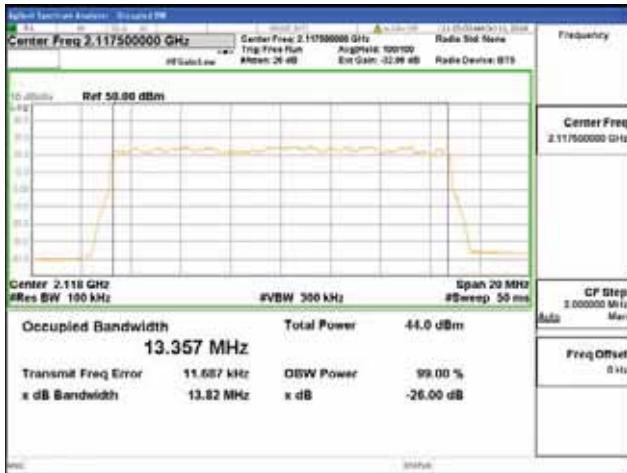
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (406) / (2957)
 Pages

ANT 1
Band 66, BW 15MHz, Single 1 carrier, 4TX, Bottom

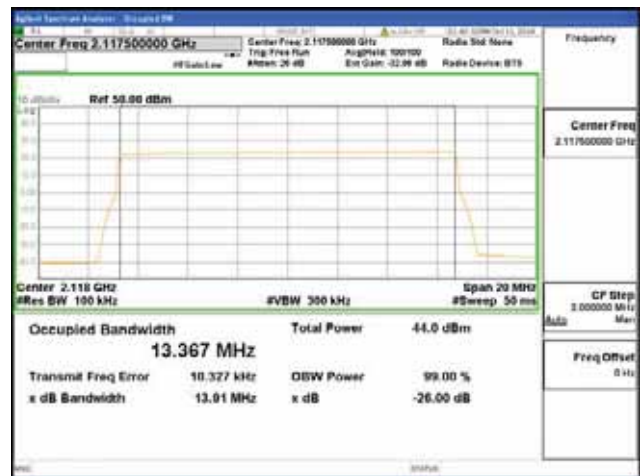
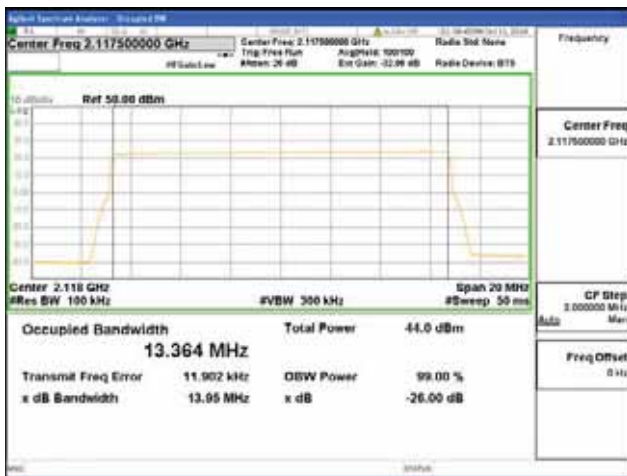
QPSK

16QAM



64QAM

256QAM



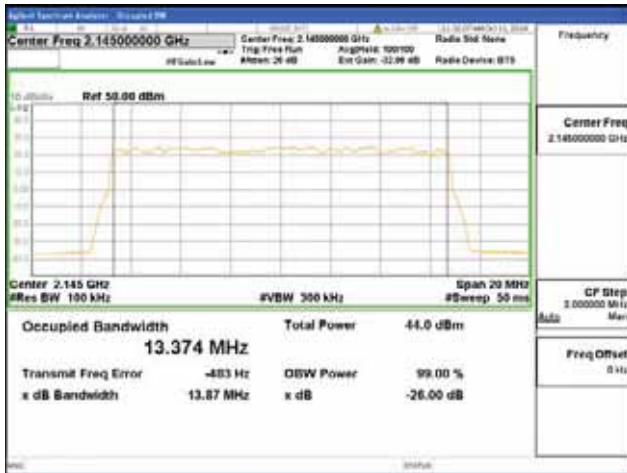


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

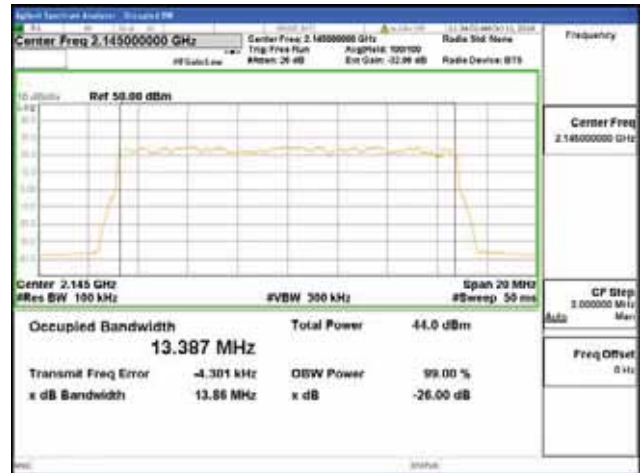
Report No.:
 CTK-2018-03329
 Page (407) / (2957)
 Pages

Band 66, BW 15MHz, Single 1 carrier, 4TX, Middle

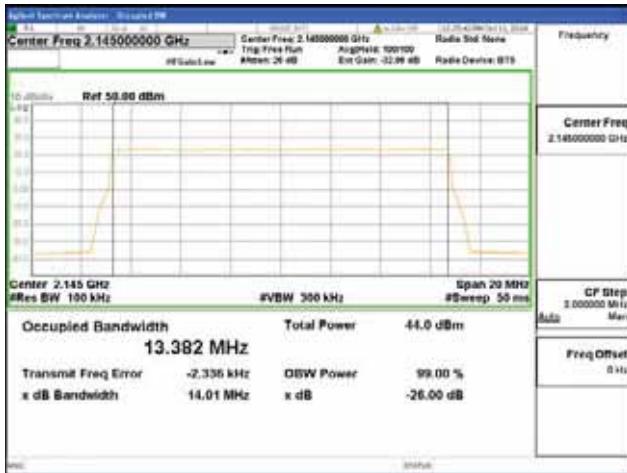
QPSK



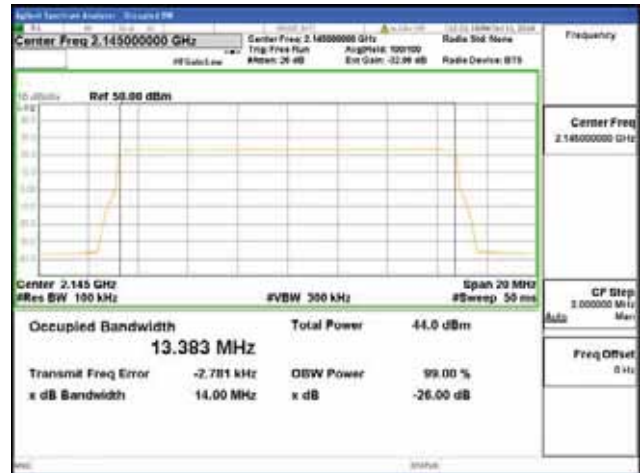
16QAM



64QAM



256QAM





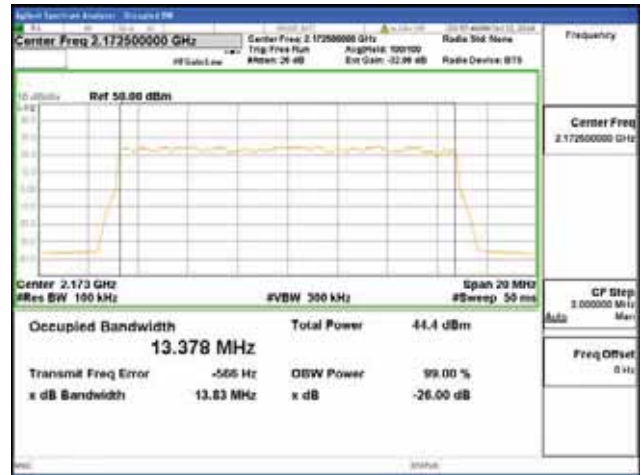
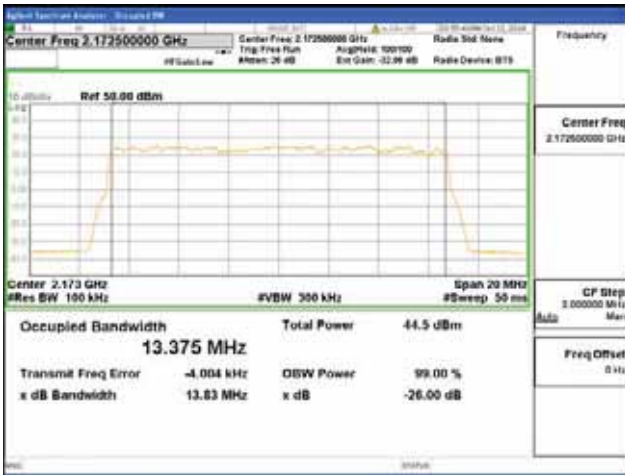
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (408) / (2957)
 Pages

Band 66, BW 15MHz, Single 1 carrier, 4TX, Top

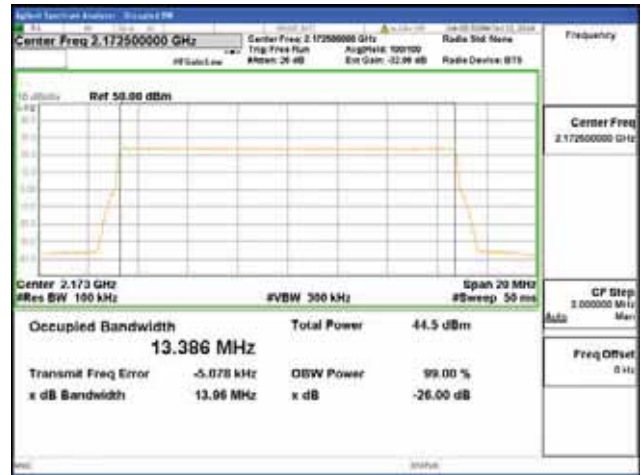
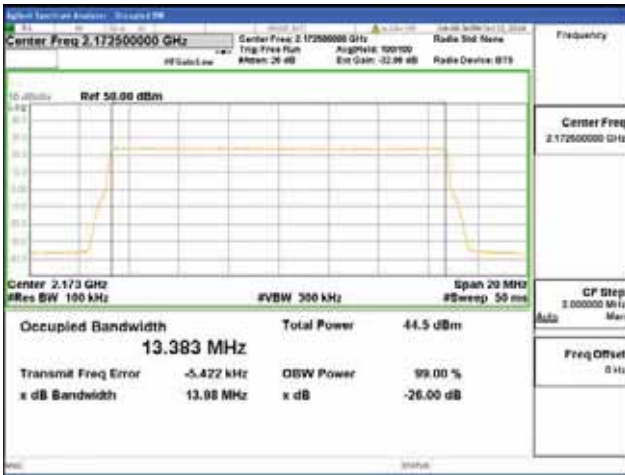
QPSK

16QAM



64QAM

256QAM





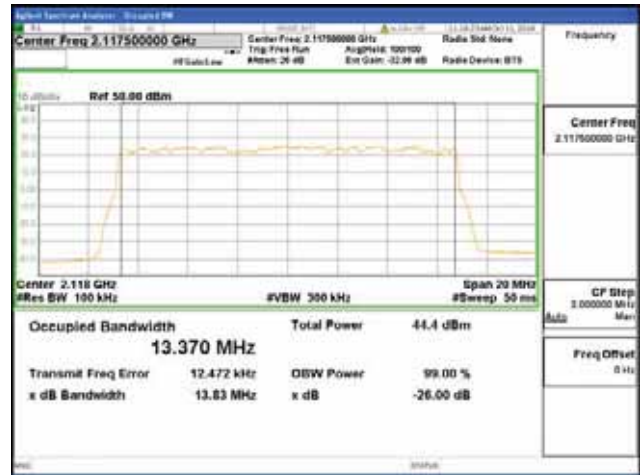
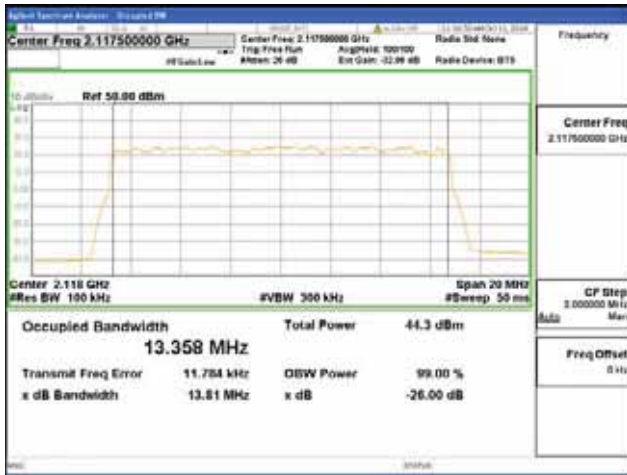
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (409) / (2957)
 Pages

ANT 2
Band 66, BW 15MHz, Single 1 carrier, 4TX, Bottom

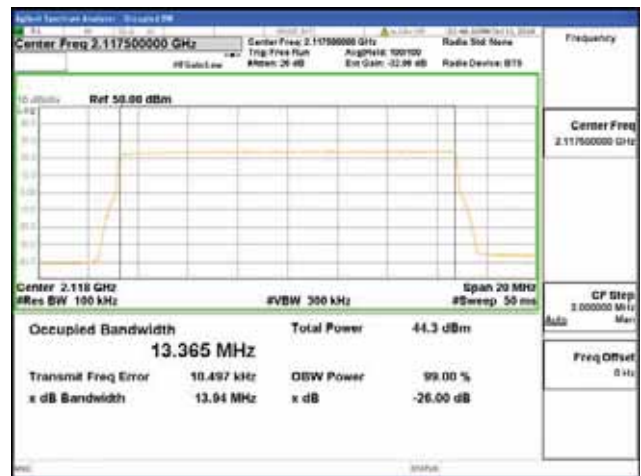
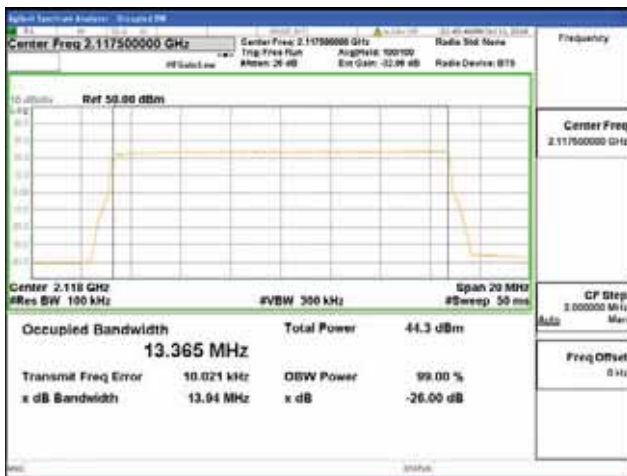
QPSK

16QAM



64QAM

256QAM





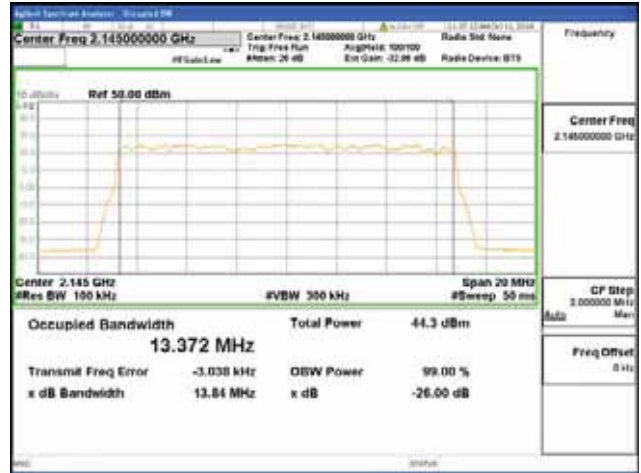
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (410) / (2957)
 Pages

Band 66, BW 15MHz, Single 1 carrier, 4TX, Middle

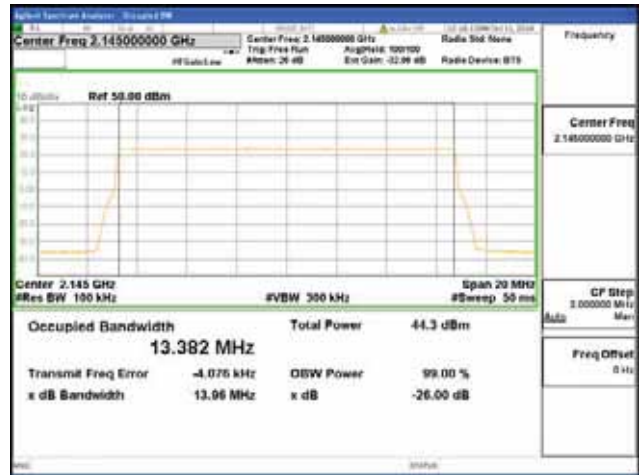
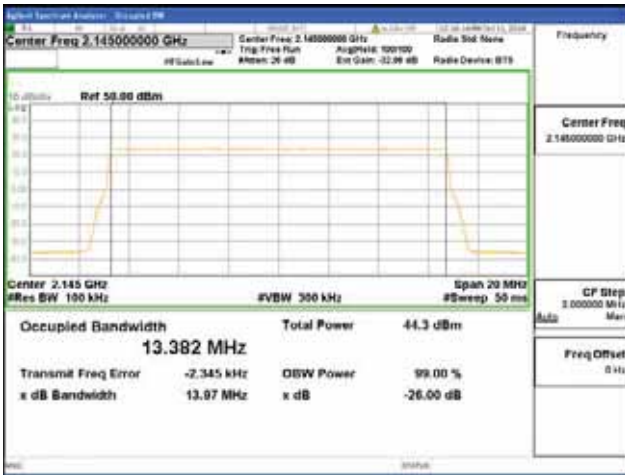
QPSK

16QAM



64QAM

256QAM





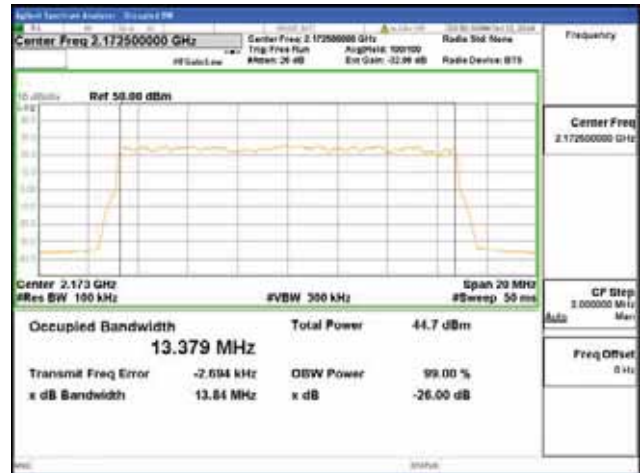
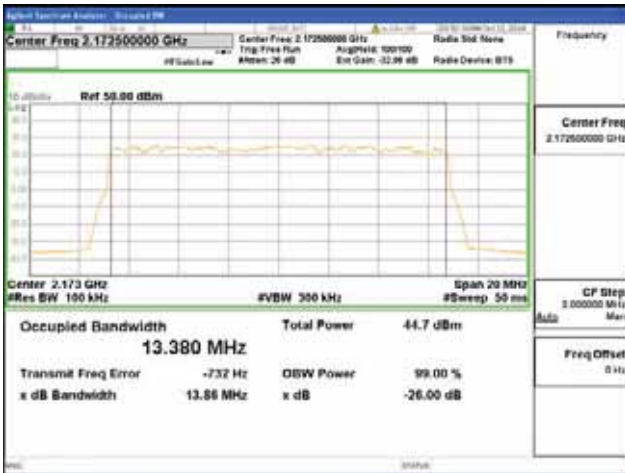
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (411) / (2957)
 Pages

Band 66, BW 15MHz, Single 1 carrier, 4TX, Top

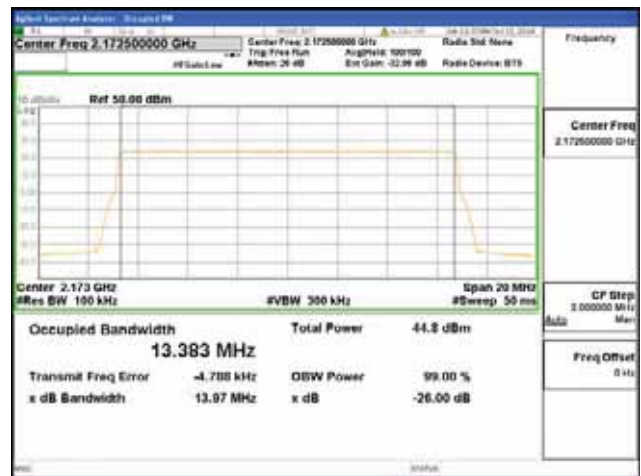
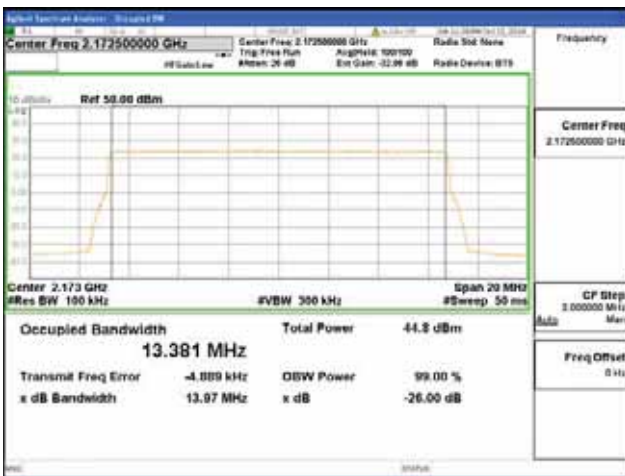
QPSK

16QAM



64QAM

256QAM



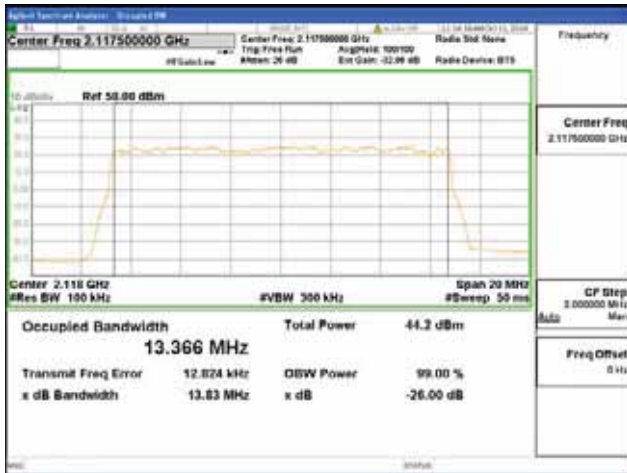


CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

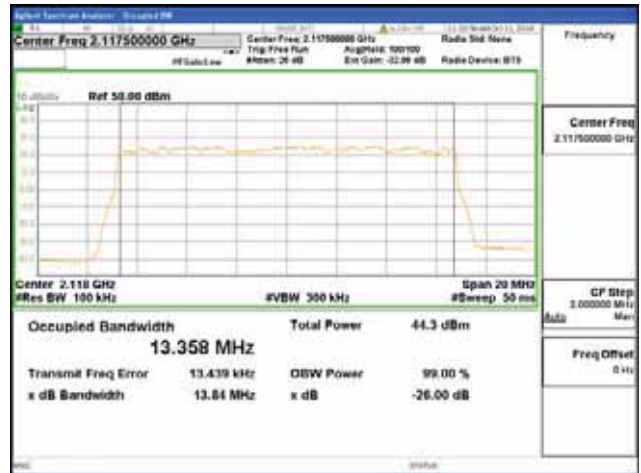
Report No.:
 CTK-2018-03329
 Page (412) / (2957)
 Pages

ANT 3
Band 66, BW 15MHz, Single 1 carrier, 4TX, Bottom

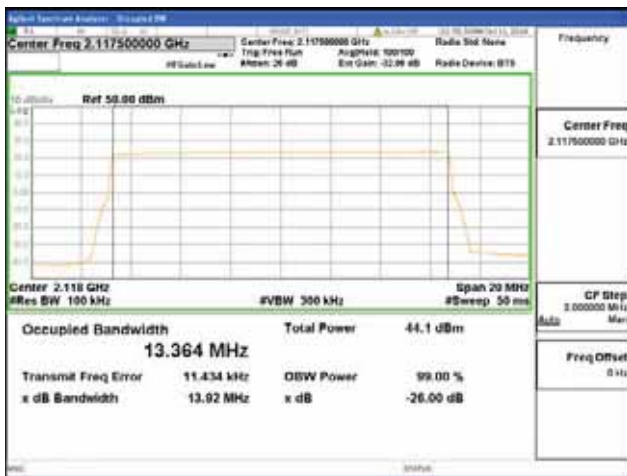
QPSK



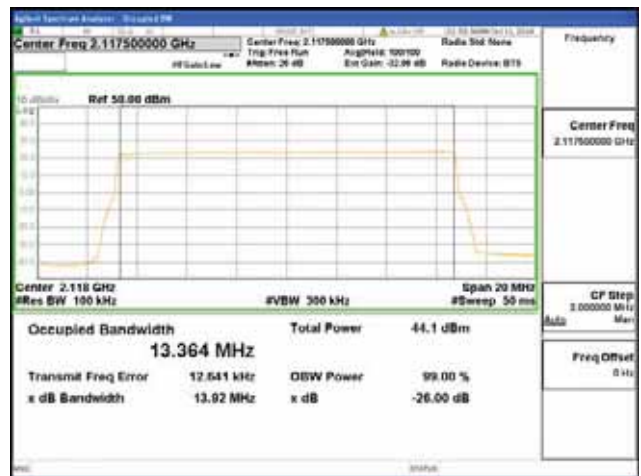
16QAM



64QAM



256QAM

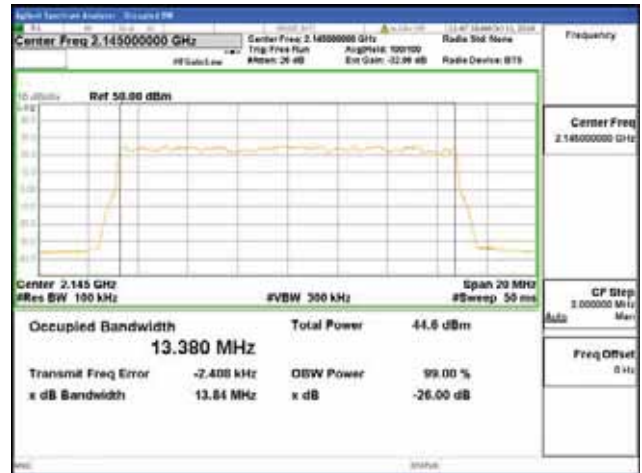
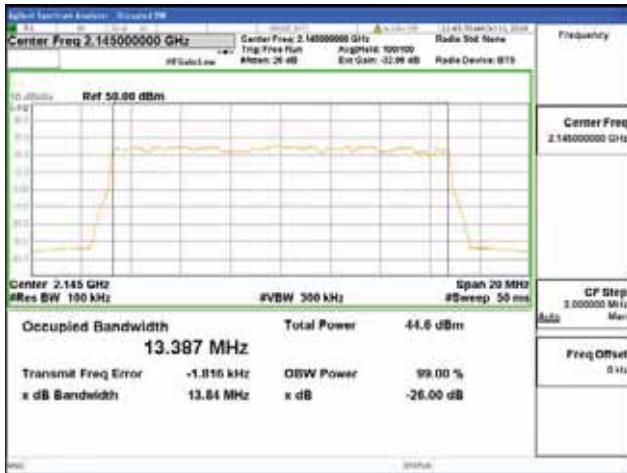




Band 66, BW 15MHz, Single 1 carrier, 4TX, Middle

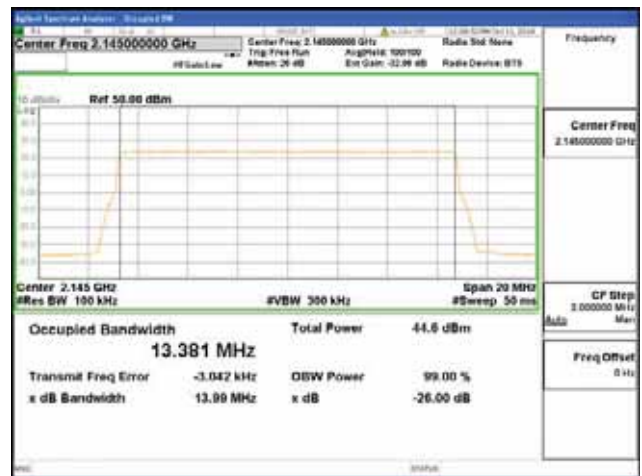
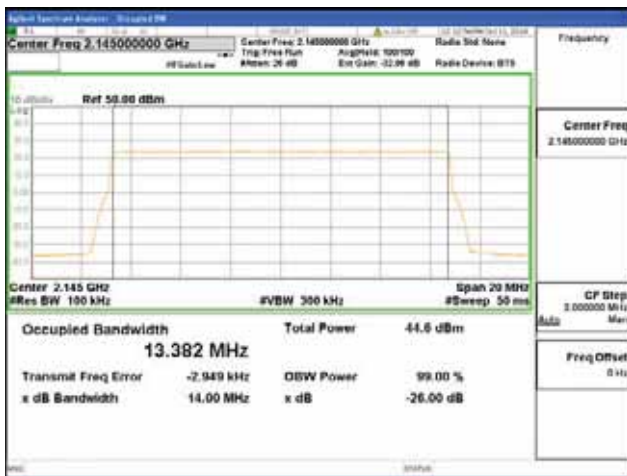
QPSK

16QAM



64QAM

256QAM





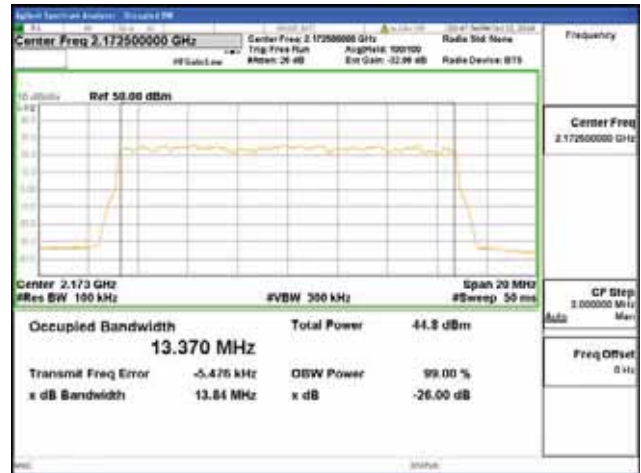
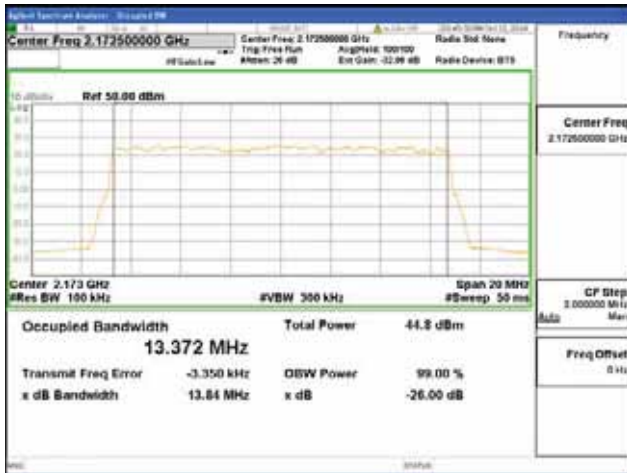
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (414) / (2957)
 Pages

Band 66, BW 15MHz, Single 1 carrier, 4TX, Top

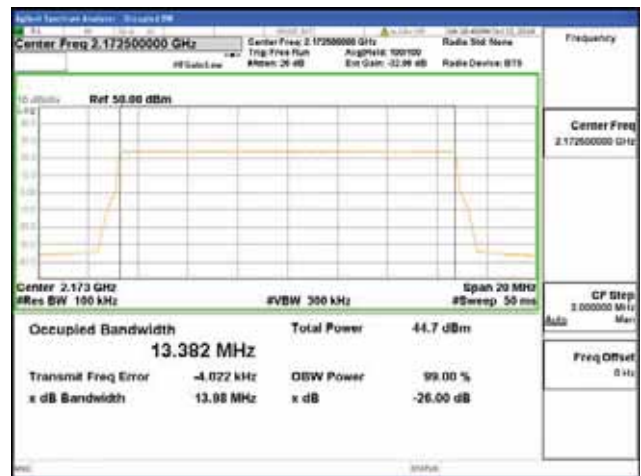
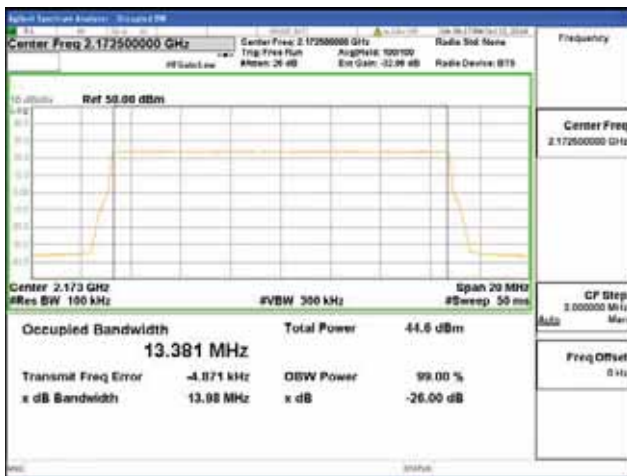
QPSK

16QAM



64QAM

256QAM

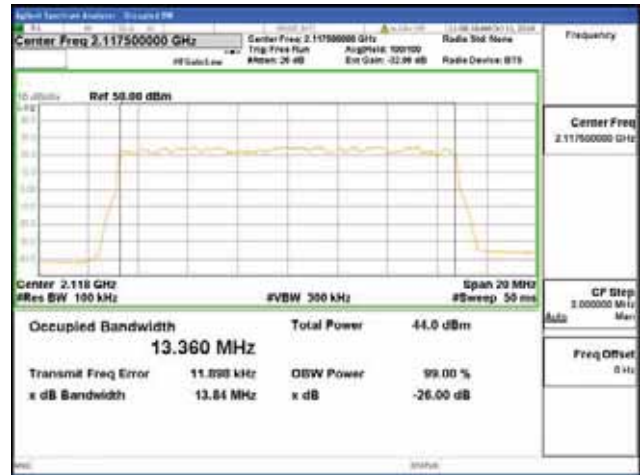
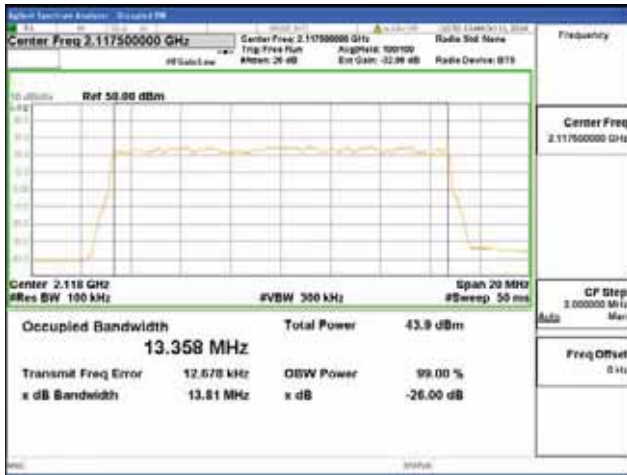




ANT 4
Band 66, BW 15MHz, Single 1 carrier, 4TX, Bottom

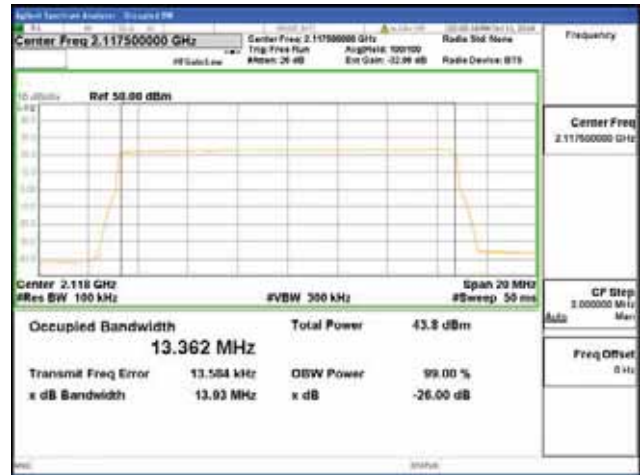
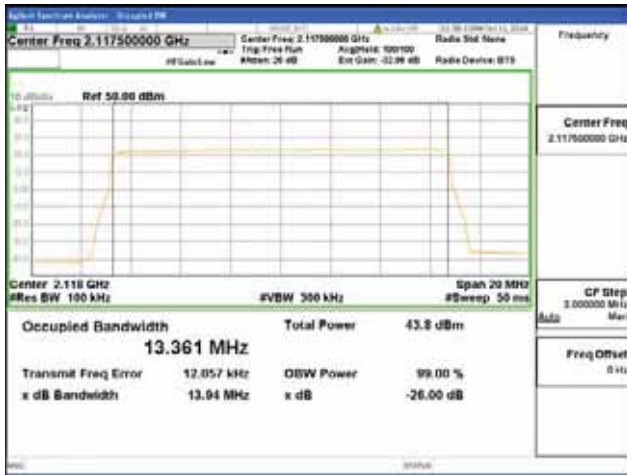
QPSK

16QAM



64QAM

256QAM

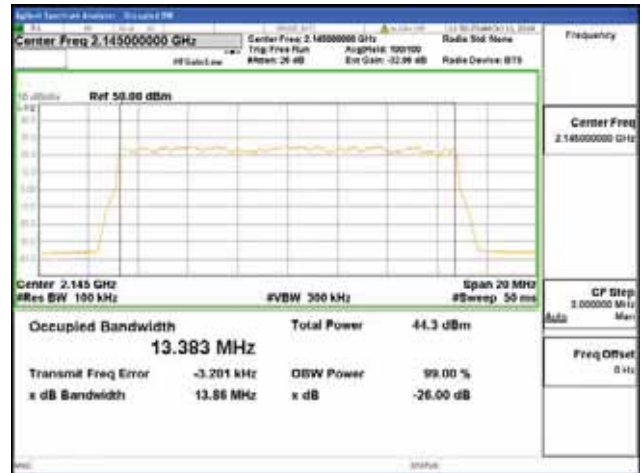
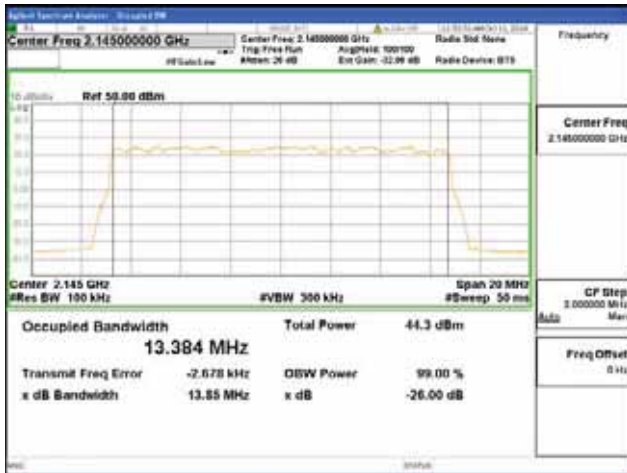




Band 66, BW 15MHz, Single 1 carrier, 4TX, Middle

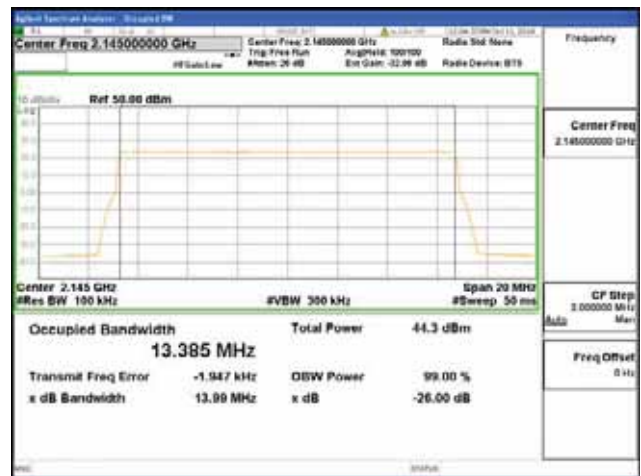
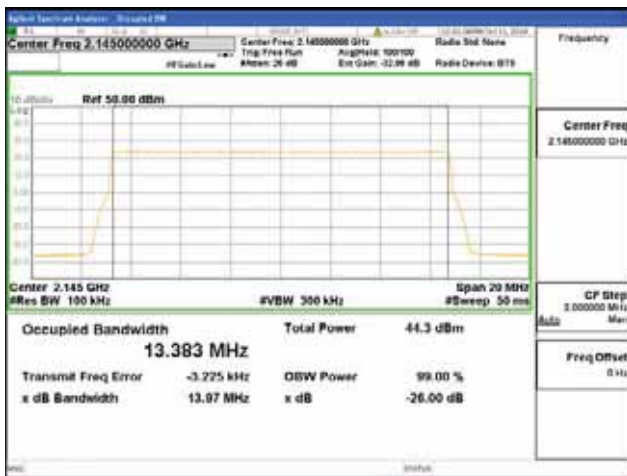
QPSK

16QAM



64QAM

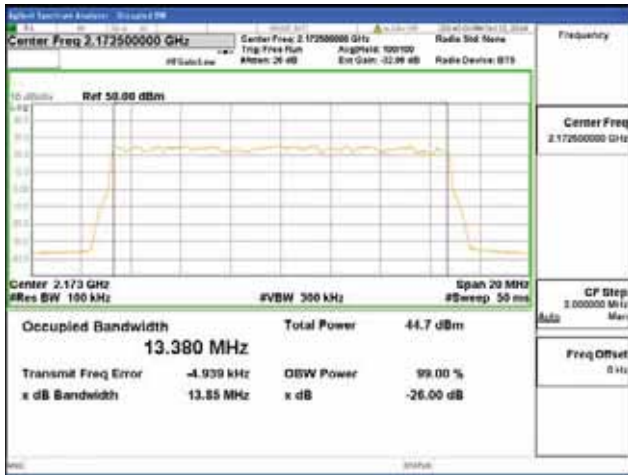
256QAM



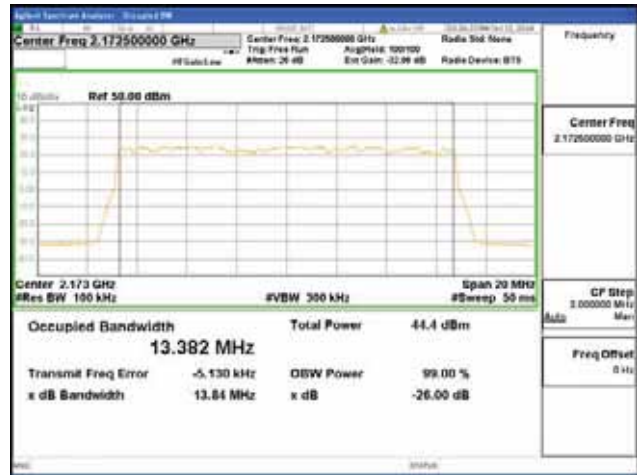


Band 66, BW 15MHz, Single 1 carrier, 4TX, Top

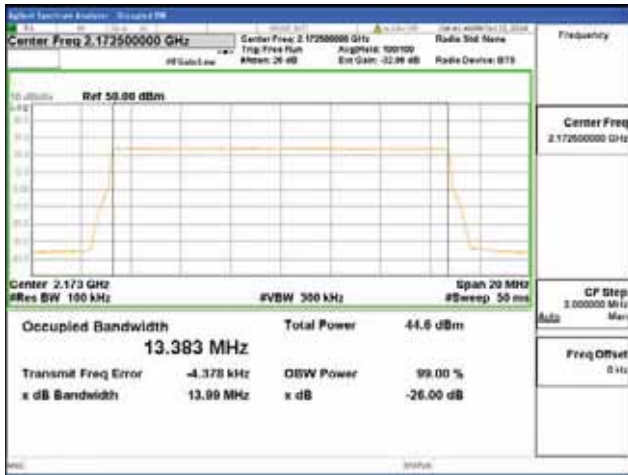
QPSK



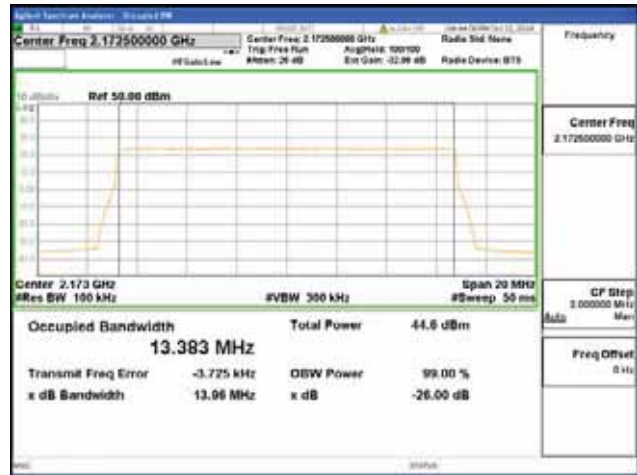
16QAM



64QAM



256QAM

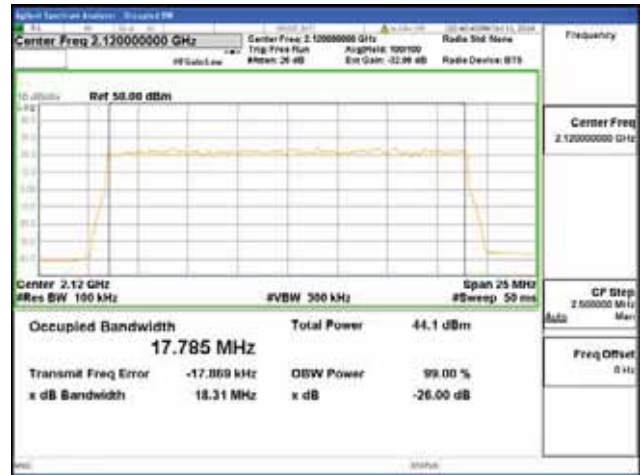
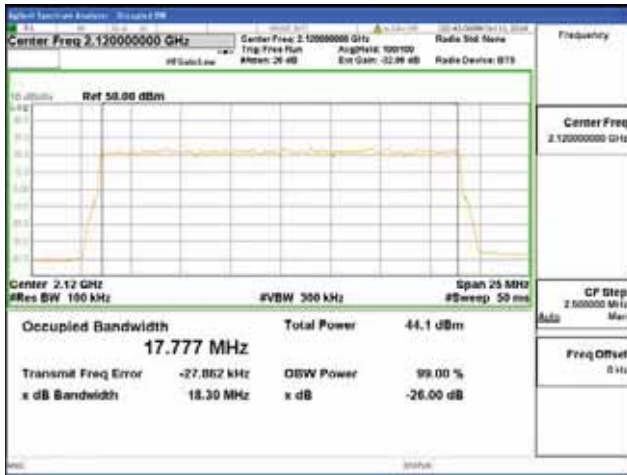




ANT 1
Band 66, BW 20MHz, Single 1 carrier, 4TX, Bottom

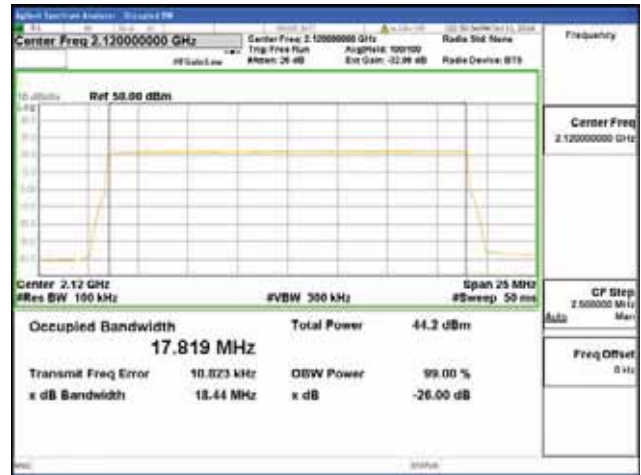
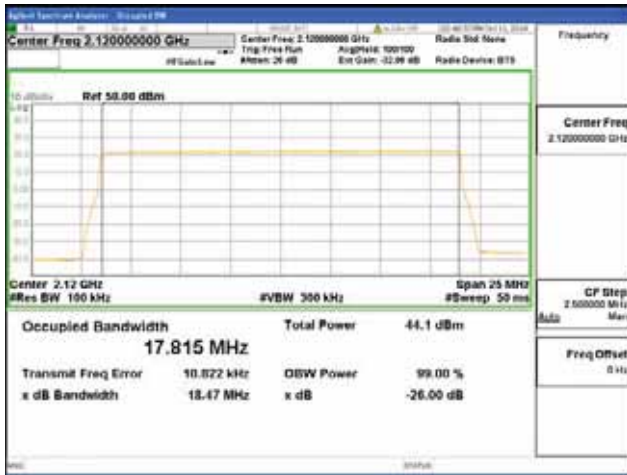
QPSK

16QAM



64QAM

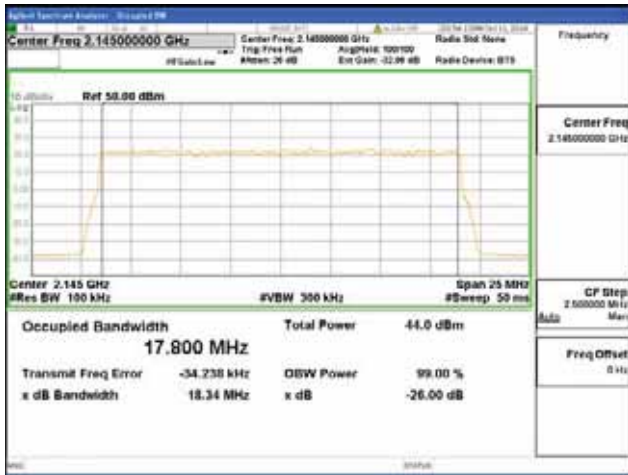
256QAM



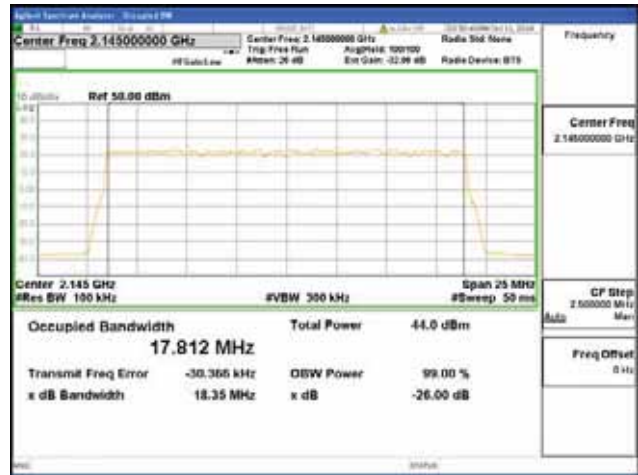


Band 66, BW 20MHz, Single 1 carrier, 4TX, Middle

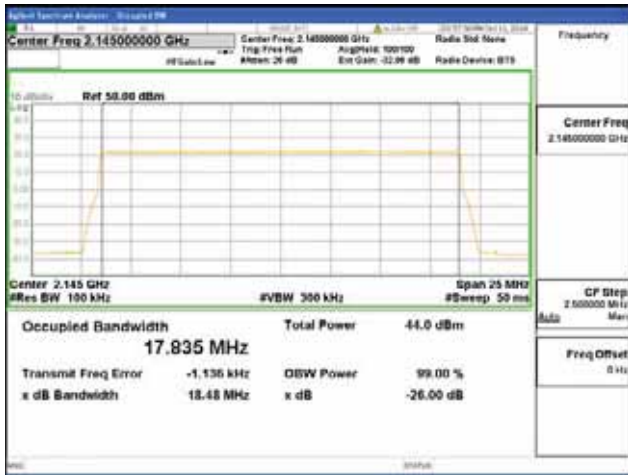
QPSK



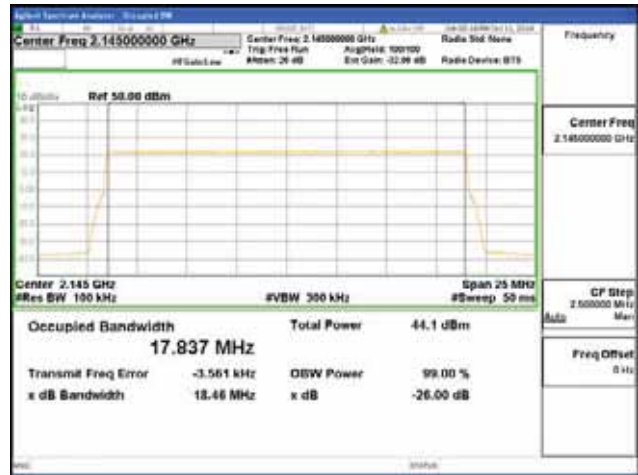
16QAM



64QAM



256QAM





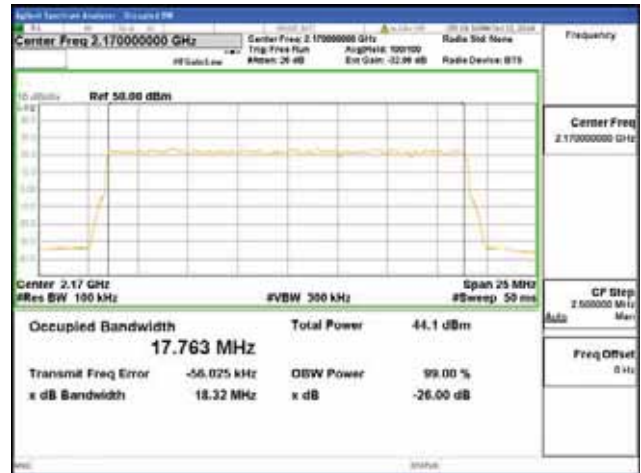
CTK Co., Ltd.
 (Ho-dong), 113, Yejik-ro, Cheoin-gu,
 Yongin-si, Gyeonggi-do, Korea
 Tel: +82-31-339-9970
 Fax: +82-31-624-9501

Report No.:
 CTK-2018-03329
 Page (420) / (2957)
 Pages

Band 66, BW 20MHz, Single 1 carrier, 4TX, Top

QPSK

16QAM



64QAM

256QAM

