

LTE FDD Band 4, Nominal Bandwidth: 5.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.28	13	Pass
		1	12	8.44	13	Pass
		1	24	8.40	13	Pass
		12	0	8.44	13	Pass
		12	7	8.44	13	Pass
		12	13	8.56	13	Pass
		25	0	8.52	13	Pass
	MCH	1	0	8.52	13	Pass
		1	12	8.56	13	Pass
		1	24	8.28	13	Pass
		12	0	8.52	13	Pass
		12	7	8.44	13	Pass
		12	13	8.56	13	Pass
		25	0	8.44	13	Pass
	HCH	1	0	8.36	13	Pass
		1	12	8.52	13	Pass
		1	24	8.48	13	Pass
		12	0	8.40	13	Pass
		12	7	8.40	13	Pass
		12	13	8.36	13	Pass
		25	0	8.44	13	Pass
16QAM	LCH	1	0	8.52	13	Pass
		1	12	8.52	13	Pass
		1	24	8.52	13	Pass
		12	0	8.56	13	Pass
		12	7	8.48	13	Pass
		12	13	8.44	13	Pass
		25	0	8.36	13	Pass
	MCH	1	0	8.40	13	Pass
		1	12	8.40	13	Pass
		1	24	8.48	13	Pass
		12	0	8.40	13	Pass
		12	7	8.36	13	Pass
		12	13	8.36	13	Pass
		25	0	8.40	13	Pass
	HCH	1	0	8.40	13	Pass
		1	12	8.40	13	Pass
		1	24	8.48	13	Pass
		12	0	8.36	13	Pass
		12	7	8.48	13	Pass
		12	13	8.48	13	Pass
		25	0	8.48	13	Pass

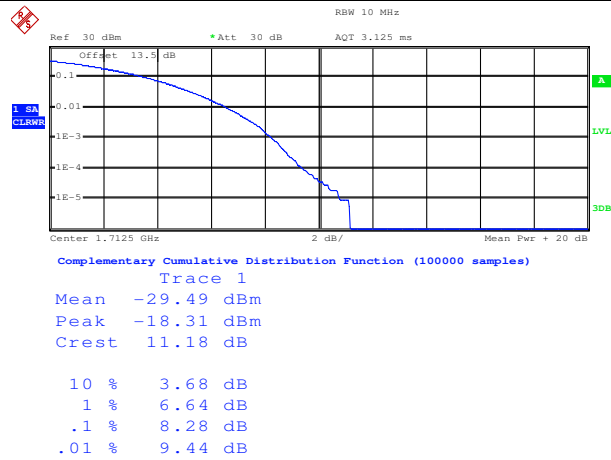
LTE FDD Band 4, Nominal Bandwidth: 10.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.52	13	Pass
		1	25	8.44	13	Pass
		1	49	8.48	13	Pass
		25	0	8.32	13	Pass
		25	12	8.48	13	Pass
		25	25	8.40	13	Pass
		50	0	8.48	13	Pass
	MCH	1	0	8.52	13	Pass
		1	25	8.32	13	Pass
		1	49	8.48	13	Pass
		25	0	8.44	13	Pass
		25	12	8.44	13	Pass
		25	25	8.48	13	Pass
		50	0	8.44	13	Pass
	HCH	1	0	8.56	13	Pass
		1	25	8.52	13	Pass
		1	49	8.52	13	Pass
		25	0	8.36	13	Pass
		25	12	8.52	13	Pass
		25	25	8.44	13	Pass
		50	0	8.32	13	Pass
16QAM	LCH	1	0	8.44	13	Pass
		1	25	8.48	13	Pass
		1	49	8.32	13	Pass
		25	0	8.48	13	Pass
		25	12	8.64	13	Pass
		25	25	8.64	13	Pass
		50	0	8.44	13	Pass
	MCH	1	0	8.44	13	Pass
		1	25	8.40	13	Pass
		1	49	8.40	13	Pass
		25	0	8.48	13	Pass
		25	12	8.32	13	Pass
		25	25	8.48	13	Pass
		50	0	8.40	13	Pass
	HCH	1	0	8.32	13	Pass
		1	25	8.48	13	Pass
		1	49	8.48	13	Pass
		25	0	8.32	13	Pass
		25	12	8.48	13	Pass
		25	25	8.48	13	Pass
		50	0	8.48	13	Pass

LTE FDD Band 4, Nominal Bandwidth: 15.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.28	13	Pass
		1	37	8.36	13	Pass
		1	74	8.44	13	Pass
		36	0	8.44	13	Pass
		36	20	8.40	13	Pass
		36	39	8.32	13	Pass
		75	0	8.52	13	Pass
	MCH	1	0	8.56	13	Pass
		1	37	8.52	13	Pass
		1	74	8.40	13	Pass
		36	0	8.40	13	Pass
		36	20	8.36	13	Pass
		36	39	8.52	13	Pass
		75	0	8.60	13	Pass
	HCH	1	0	8.60	13	Pass
		1	37	8.48	13	Pass
		1	74	8.48	13	Pass
		36	0	8.44	13	Pass
		36	20	8.48	13	Pass
		36	39	8.40	13	Pass
		75	0	8.56	13	Pass
16QAM	LCH	1	0	8.40	13	Pass
		1	37	8.52	13	Pass
		1	74	8.48	13	Pass
		36	0	8.40	13	Pass
		36	20	8.32	13	Pass
		36	39	8.40	13	Pass
		75	0	8.32	13	Pass
	MCH	1	0	8.48	13	Pass
		1	37	8.44	13	Pass
		1	74	8.36	13	Pass
		36	0	8.36	13	Pass
		36	20	8.32	13	Pass
		36	39	8.36	13	Pass
		75	0	8.56	13	Pass
	HCH	1	0	8.40	13	Pass
		1	37	8.48	13	Pass
		1	74	8.28	13	Pass
		36	0	8.44	13	Pass
		36	20	8.24	13	Pass
		36	39	8.36	13	Pass
		75	0	8.40	13	Pass

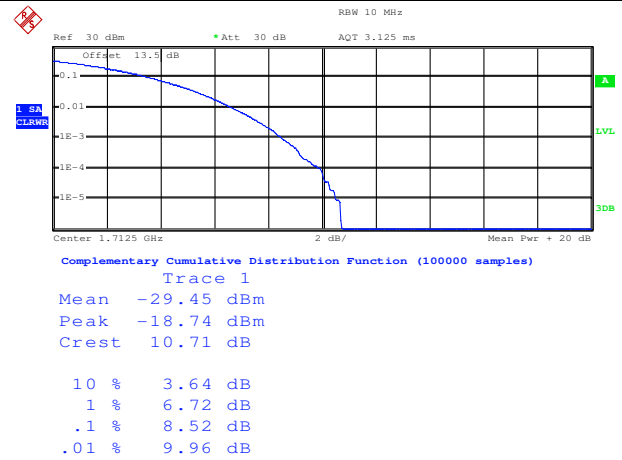
LTE FDD Band 4, Nominal Bandwidth: 20.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.40	13	Pass
		1	49	8.32	13	Pass
		1	99	8.36	13	Pass
		50	0	8.44	13	Pass
		50	24	8.44	13	Pass
		50	50	8.48	13	Pass
		100	0	8.52	13	Pass
	MCH	1	0	8.52	13	Pass
		1	49	8.48	13	Pass
		1	99	8.48	13	Pass
		50	0	8.44	13	Pass
		50	24	8.44	13	Pass
		50	50	8.44	13	Pass
		100	0	8.56	13	Pass
	HCH	1	0	8.48	13	Pass
		1	49	8.48	13	Pass
		1	99	8.48	13	Pass
		50	0	8.40	13	Pass
		50	24	8.36	13	Pass
		50	50	8.36	13	Pass
		100	0	8.44	13	Pass
16QAM	LCH	1	0	8.40	13	Pass
		1	49	8.44	13	Pass
		1	99	8.52	13	Pass
		50	0	8.40	13	Pass
		50	24	8.28	13	Pass
		50	50	8.48	13	Pass
		100	0	8.52	13	Pass
	MCH	1	0	8.40	13	Pass
		1	49	8.40	13	Pass
		1	99	8.36	13	Pass
		50	0	8.44	13	Pass
		50	24	8.48	13	Pass
		50	50	8.56	13	Pass
		100	0	8.44	13	Pass
	HCH	1	0	8.40	13	Pass
		1	49	8.52	13	Pass
		1	99	8.44	13	Pass
		50	0	8.36	13	Pass
		50	24	8.48	13	Pass
		50	50	8.44	13	Pass
		100	0	8.56	13	Pass

LTE FDD Band 4, Nominal Bandwidth: 5MHz

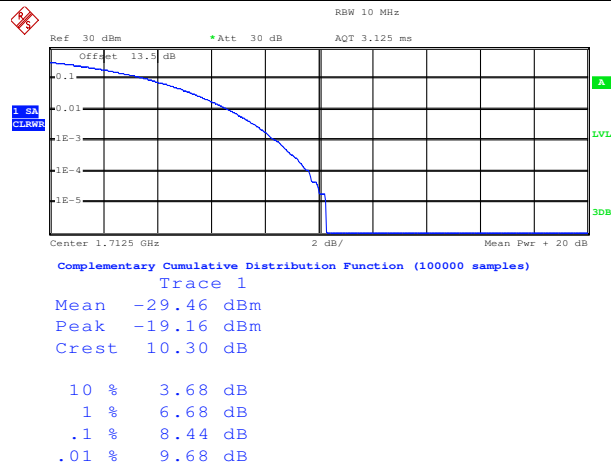
QPSK Low channel-1 RB offset 0



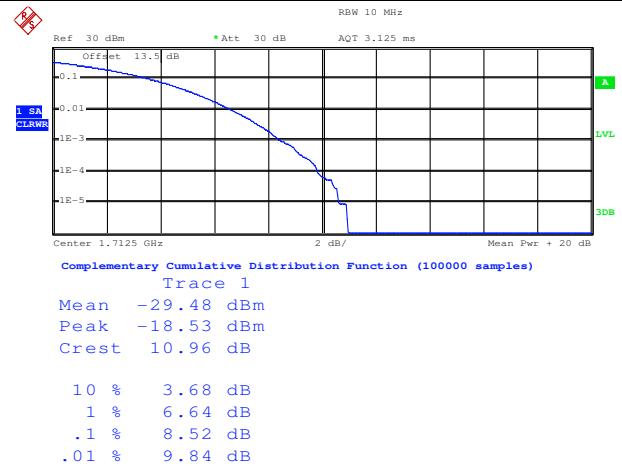
16QAM Low channel-1 RB offset 0



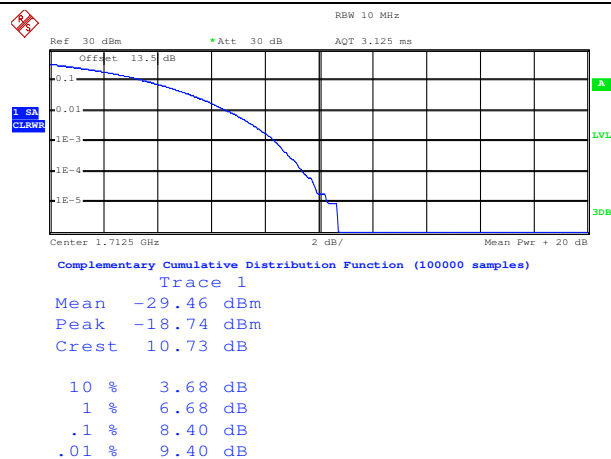
QPSK Low channel-1 RB offset 12



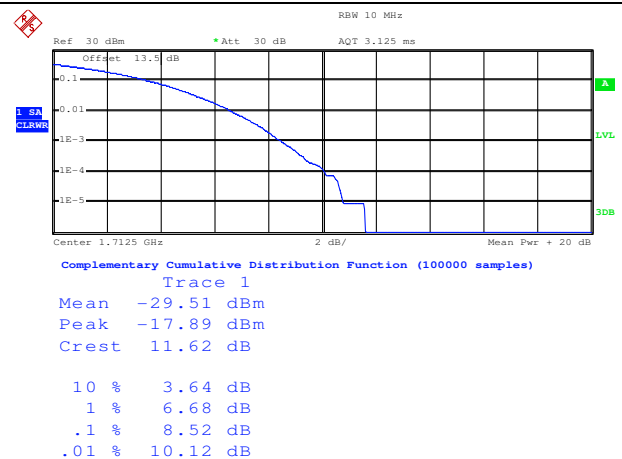
16QAM Low channel-1 RB offset 12

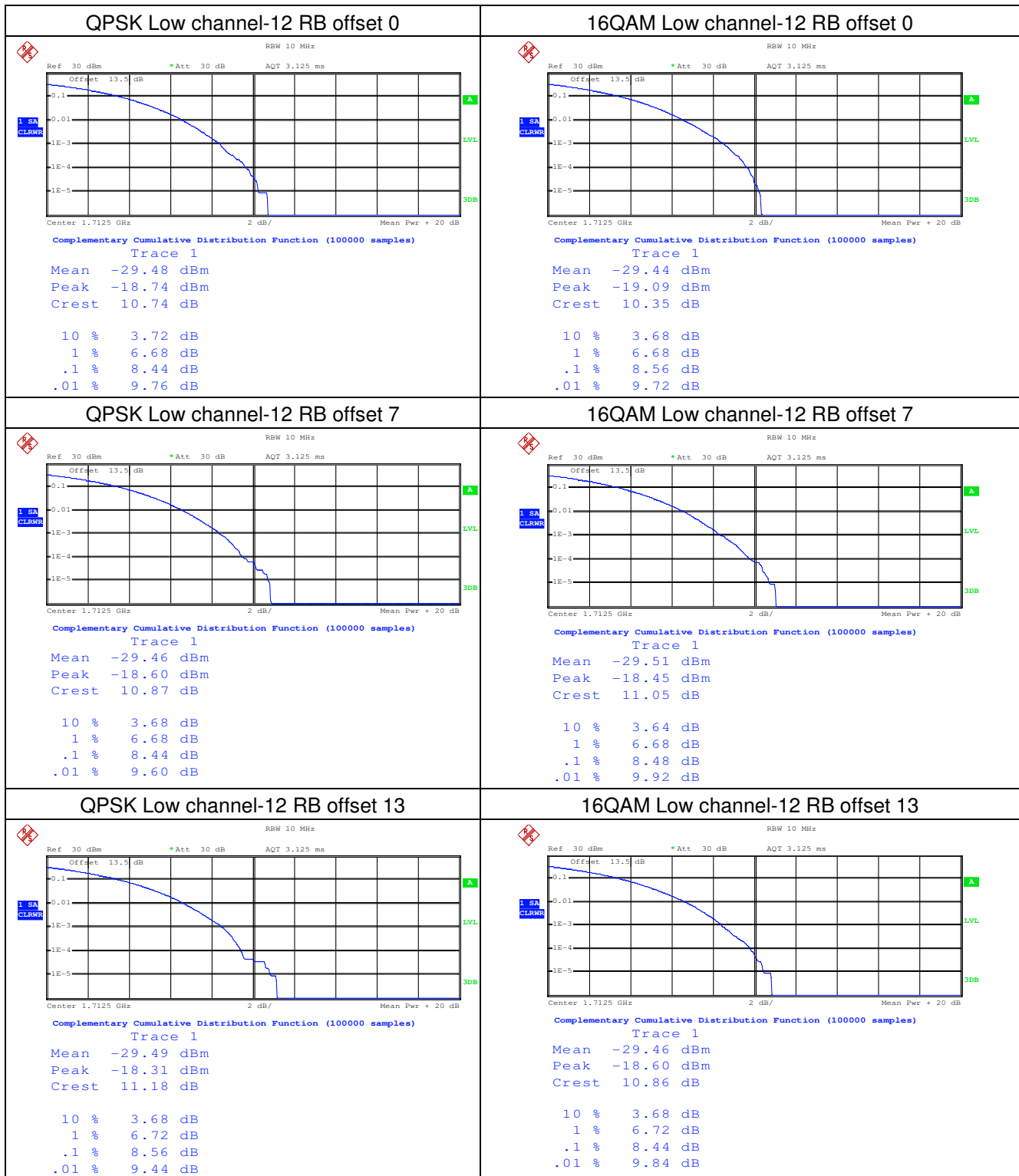


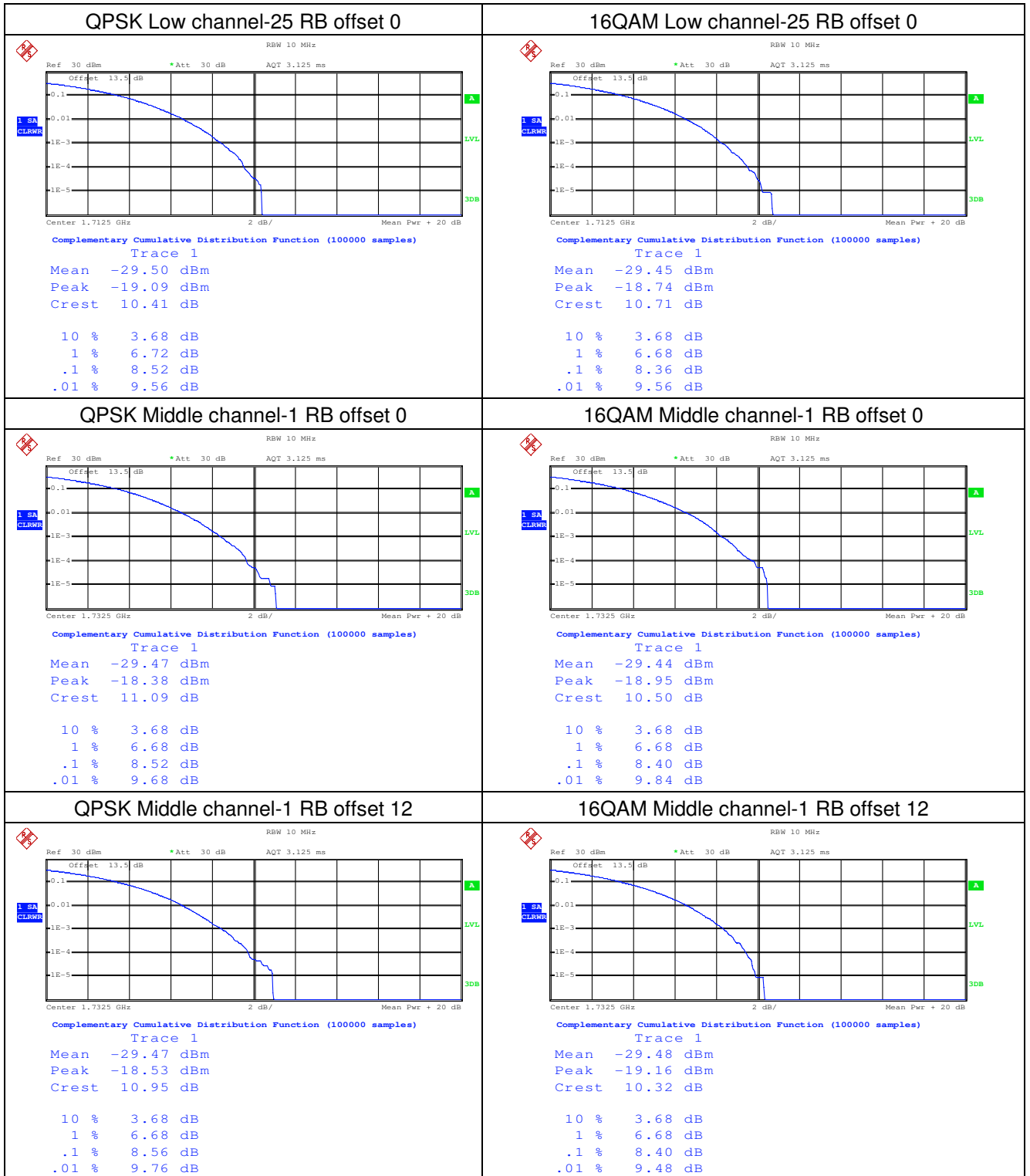
QPSK Low channel-1 RB offset 24

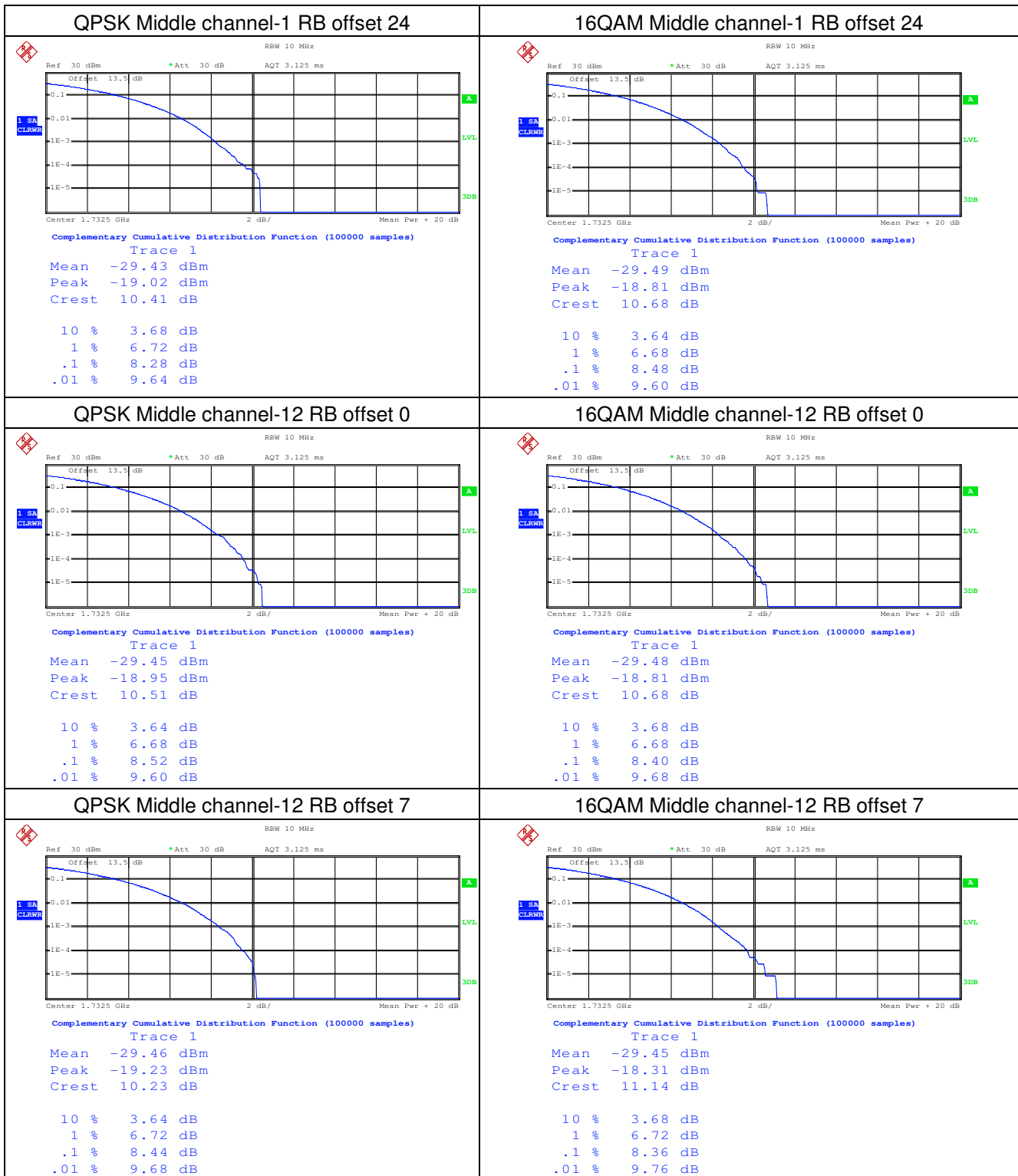


16QAM Low channel-1 RB offset 24

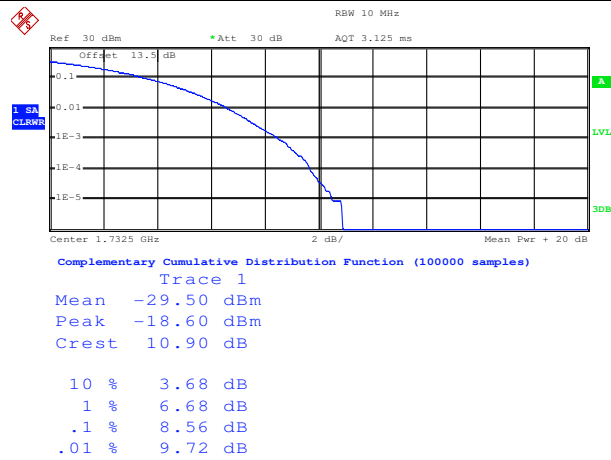




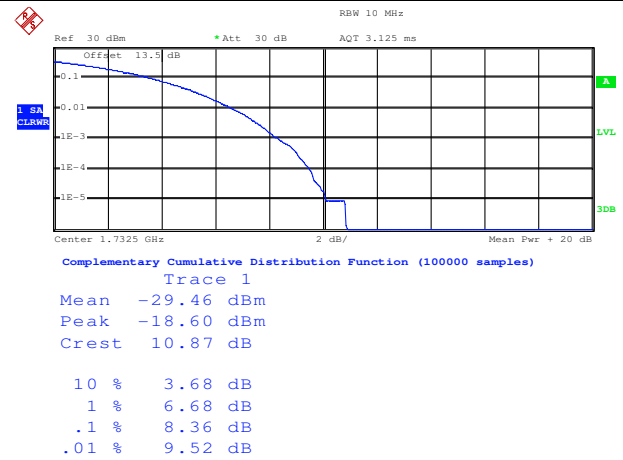




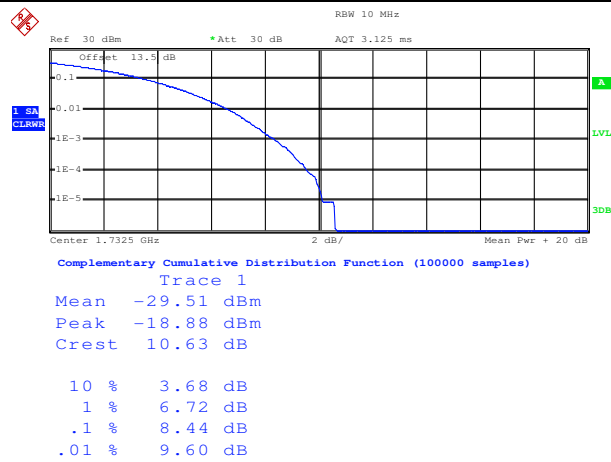
QPSK Middle channel-12 RB offset 13



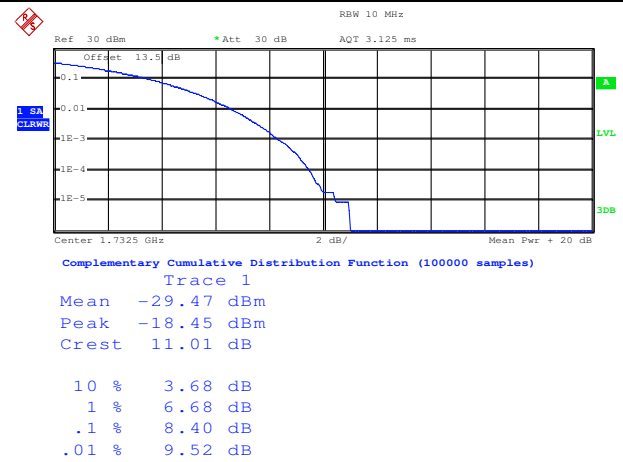
16QAM Middle channel-12 RB offset 13



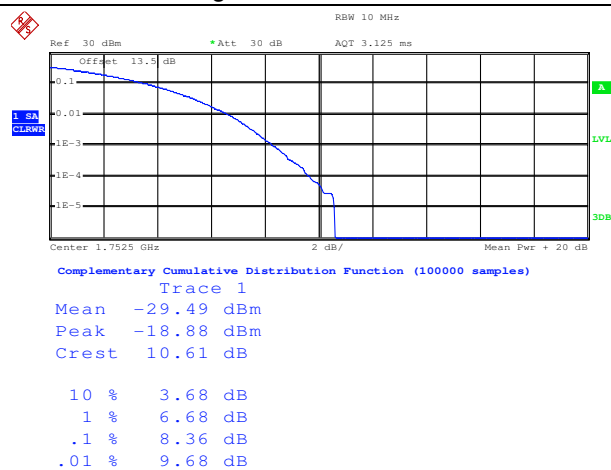
QPSK Middle channel-25 RB offset 0



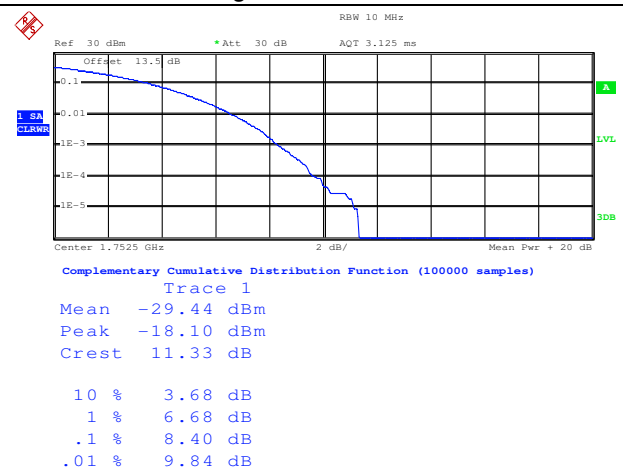
16QAM Middle channel-25 RB offset 0

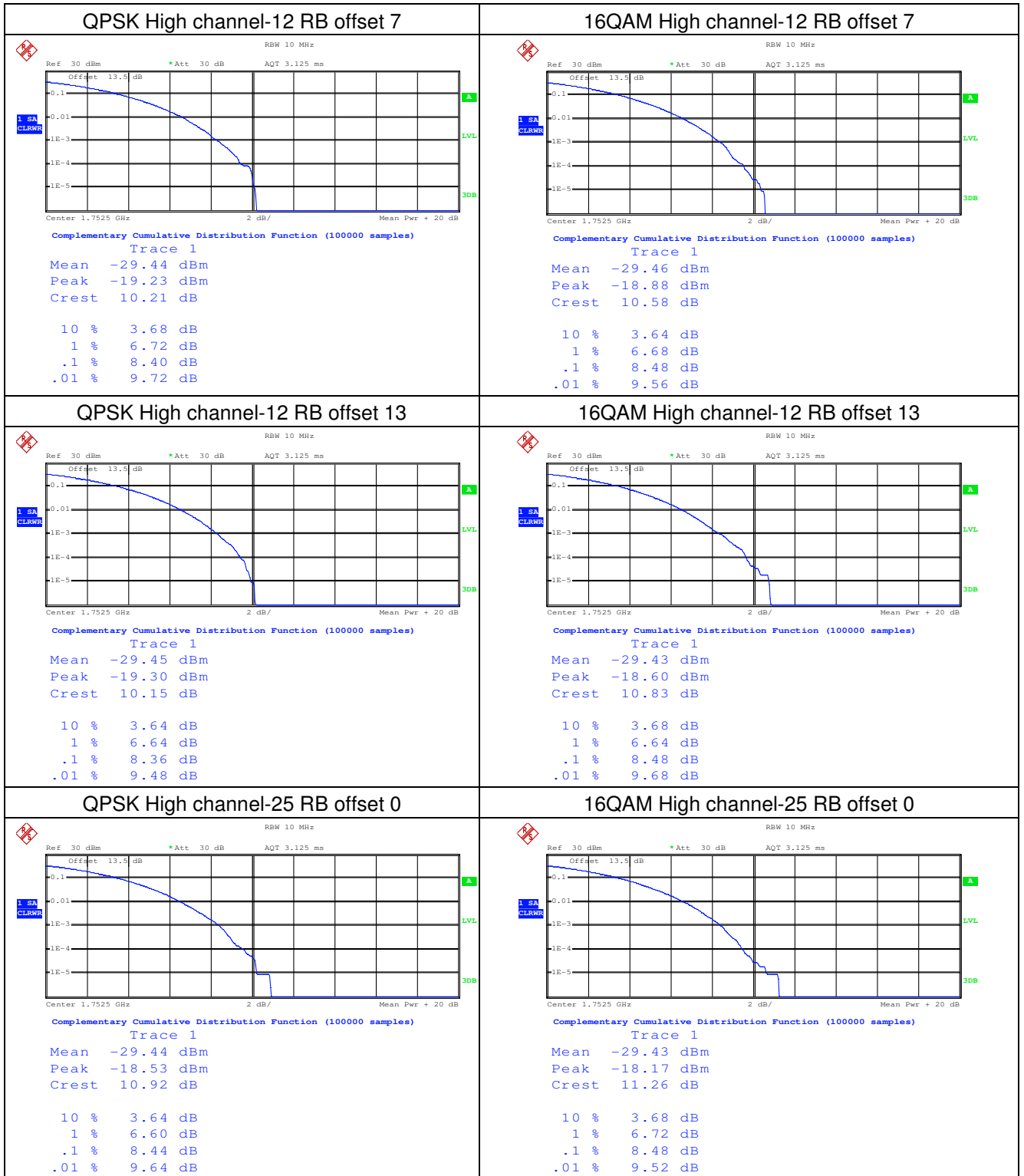


QPSK High channel-1 RB offset 0



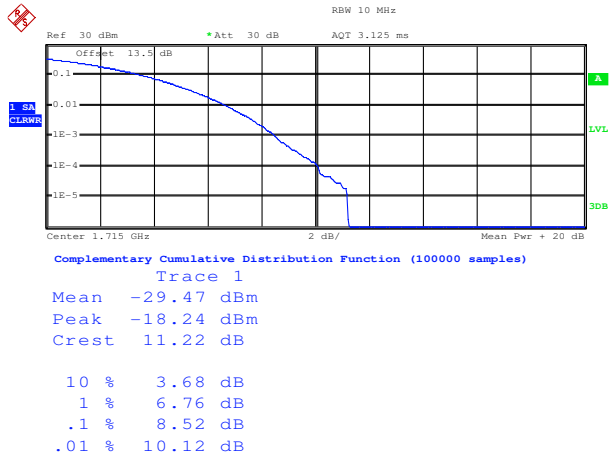
16QAM High channel-1 RB offset 0



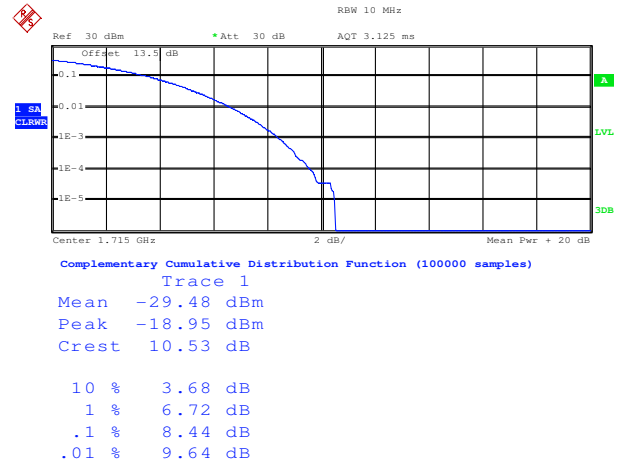


LTE FDD Band 4, Nominal Bandwidth: 10MHz

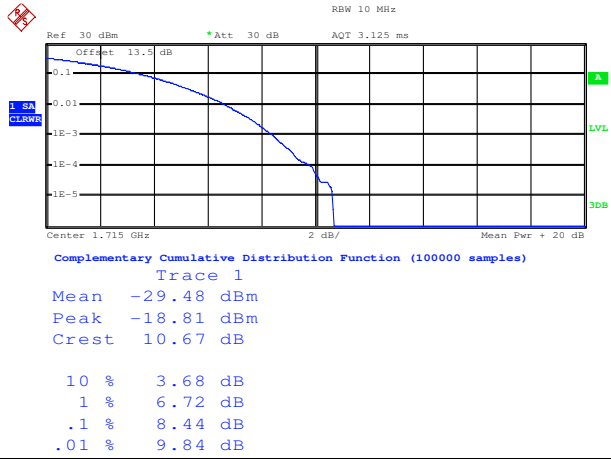
QPSK Low channel-1 RB offset 0



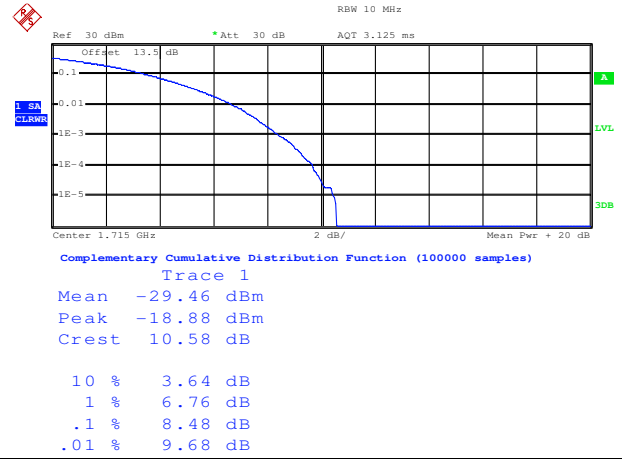
16QAM Low channel-1 RB offset 0



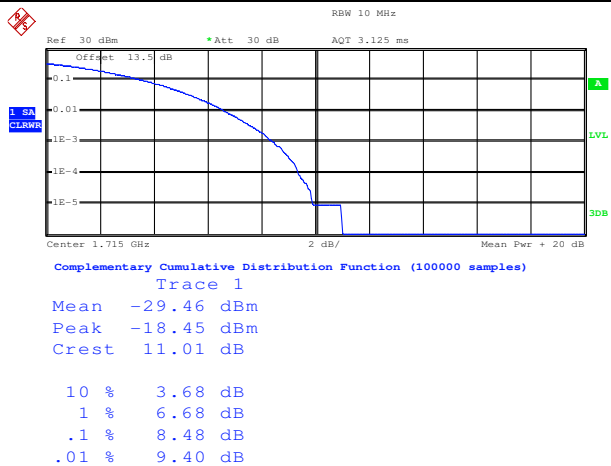
QPSK Low channel-1 RB offset 25



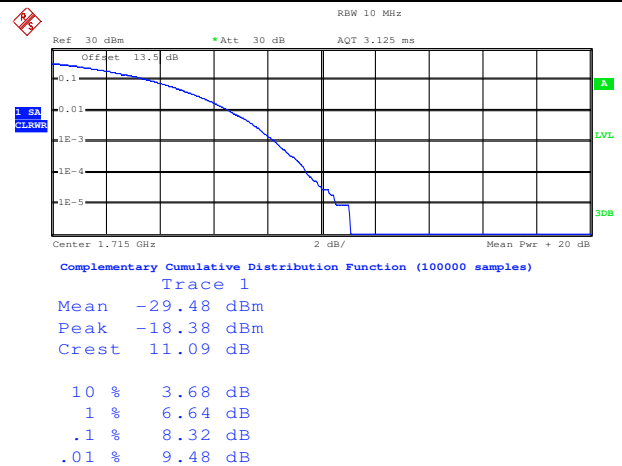
16QAM Low channel-1 RB offset 25



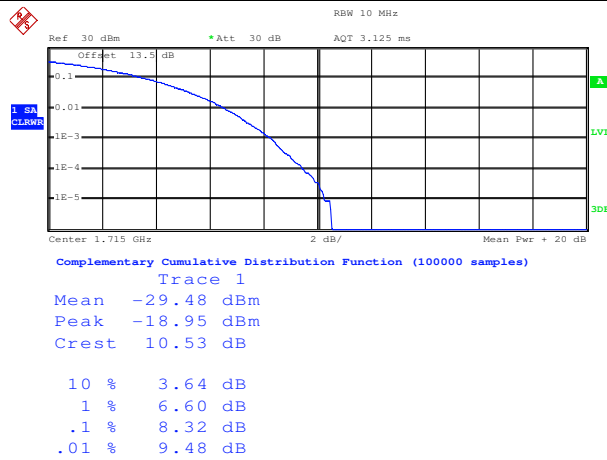
QPSK Low channel-1 RB offset 49



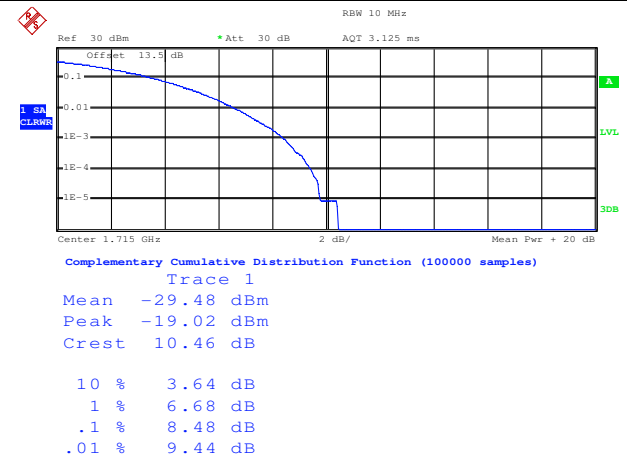
16QAM Low channel-1 RB offset 49



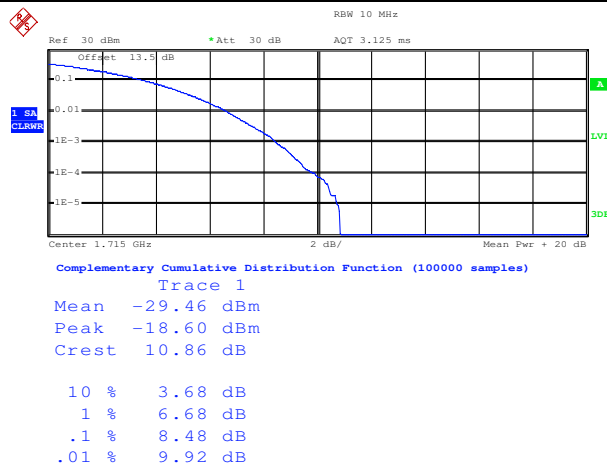
QPSK Low channel-25 RB offset 0



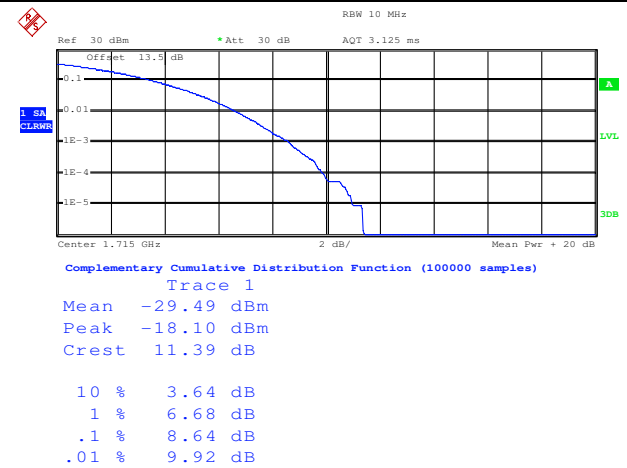
16QAM Low channel-25 RB offset 0



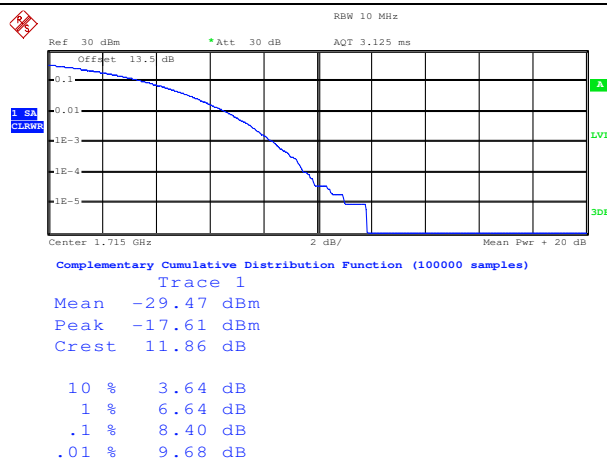
QPSK Low channel-25 RB offset 12



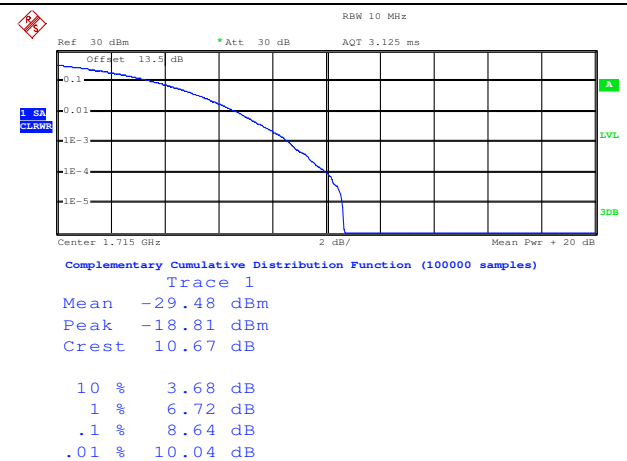
16QAM Low channel-25 RB offset 12

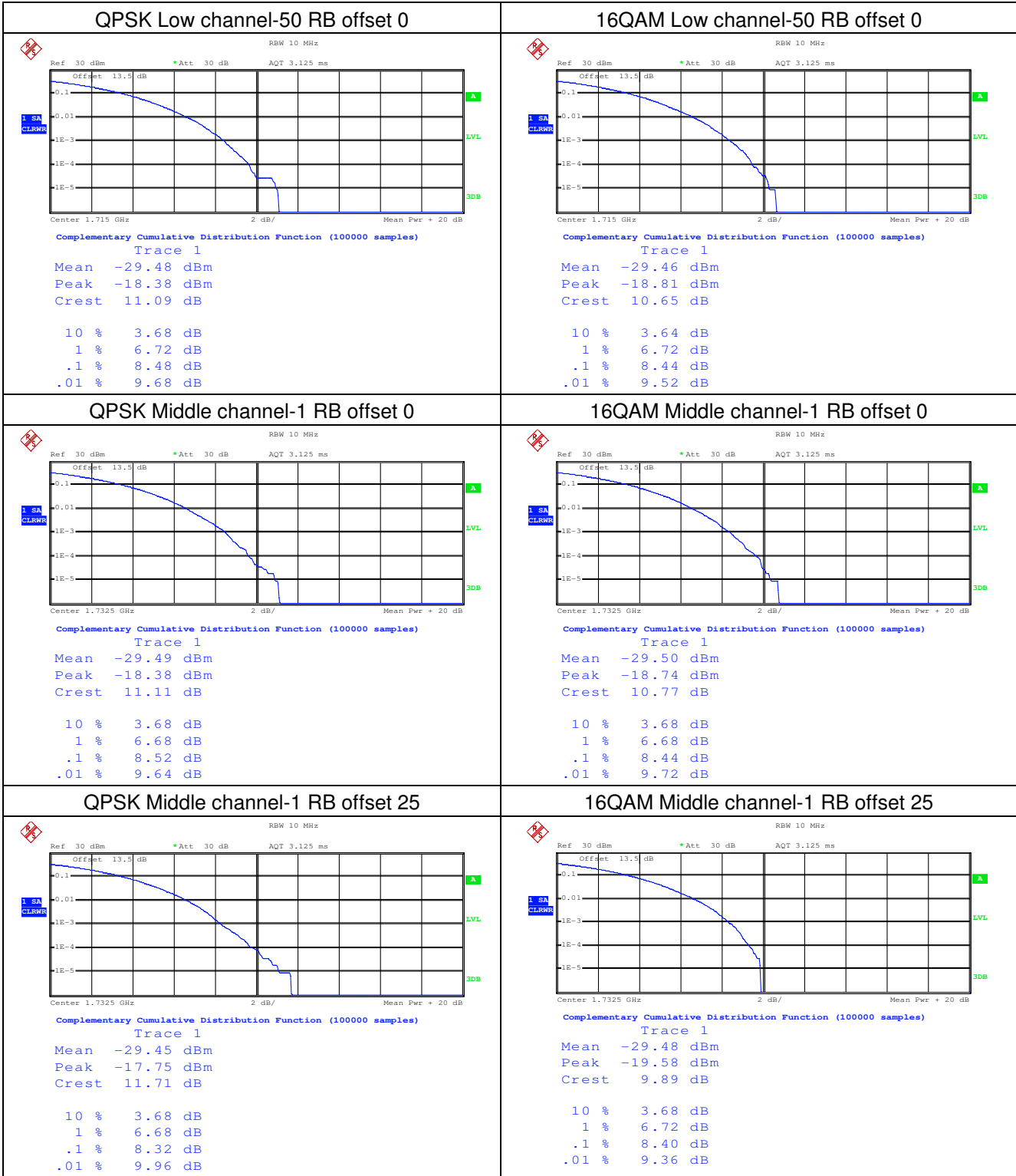


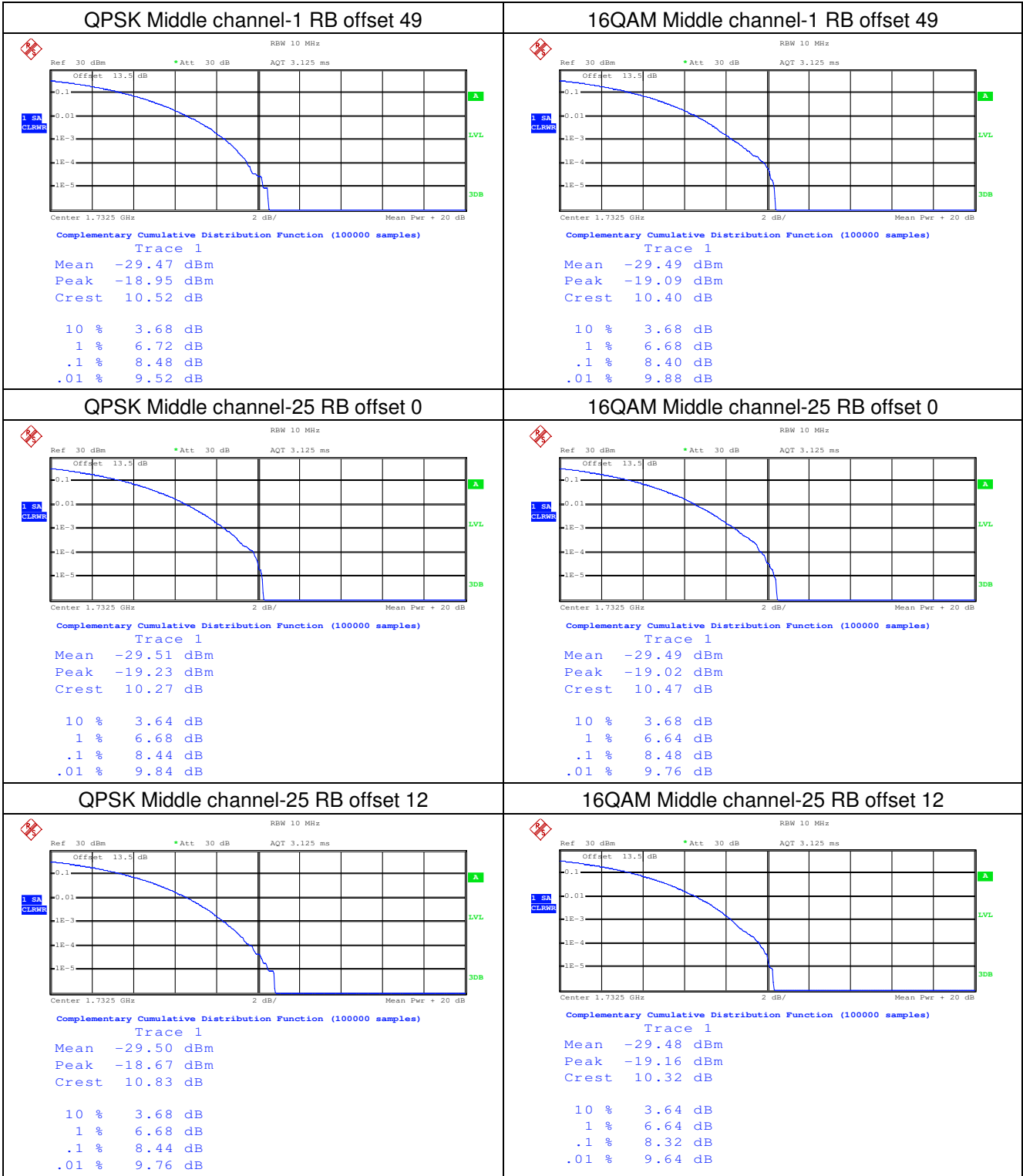
QPSK Low channel-25 RB offset25

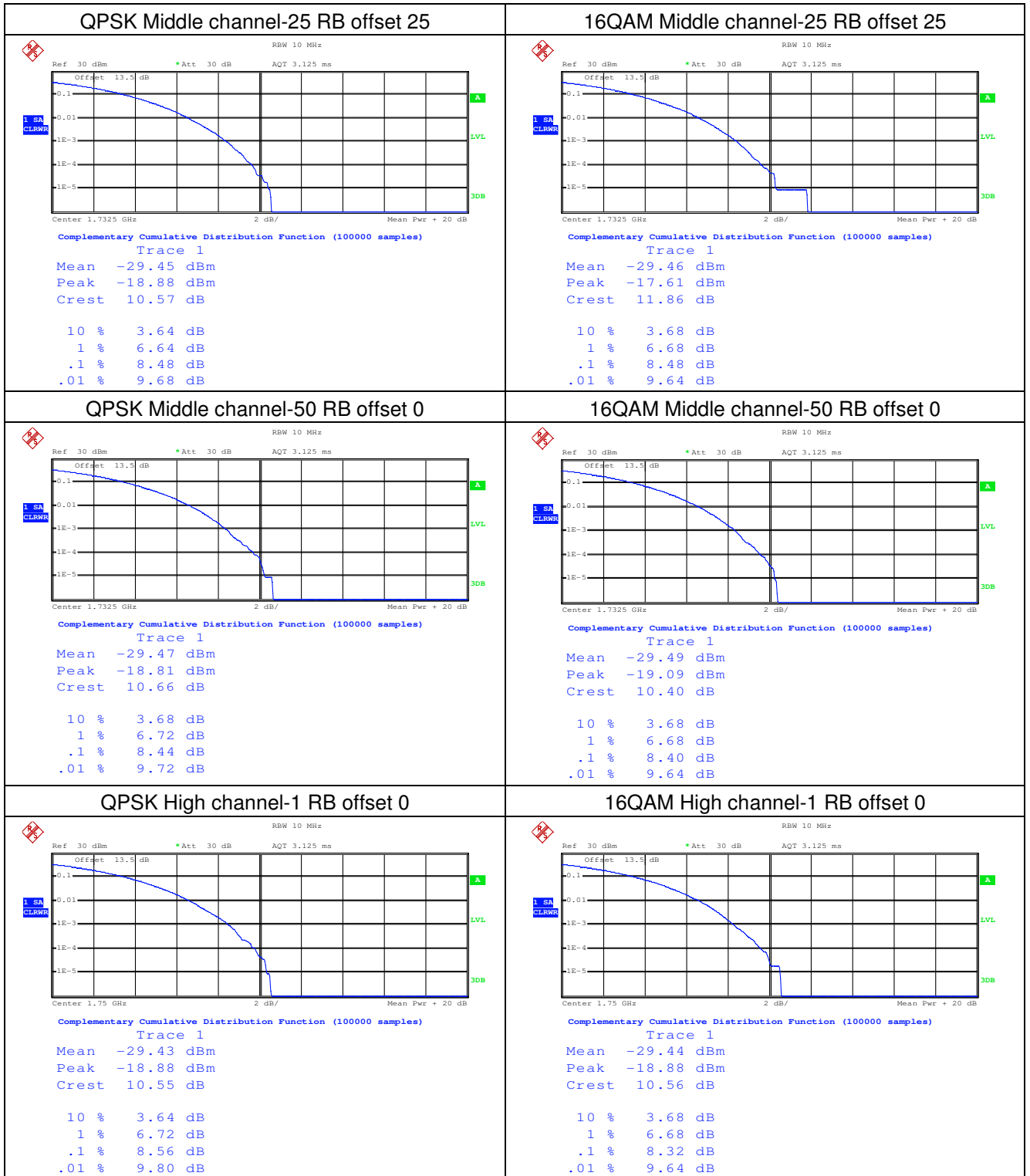


16QAM Low channel-25 RB offset25

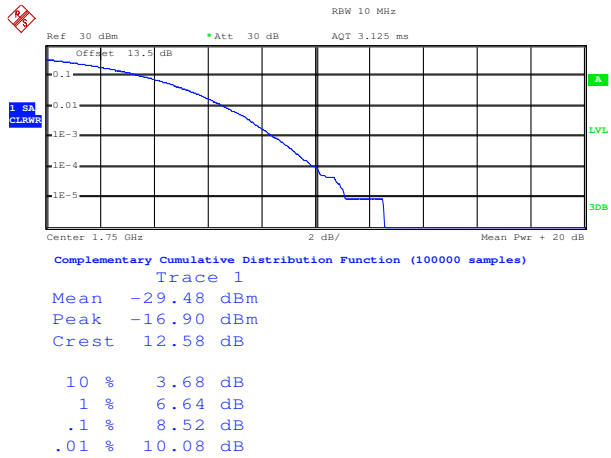




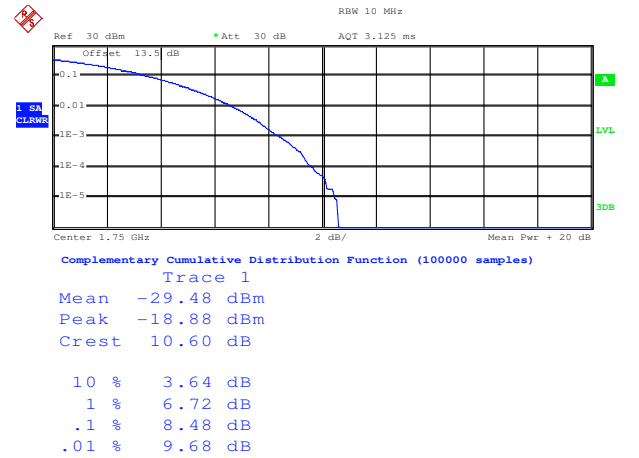




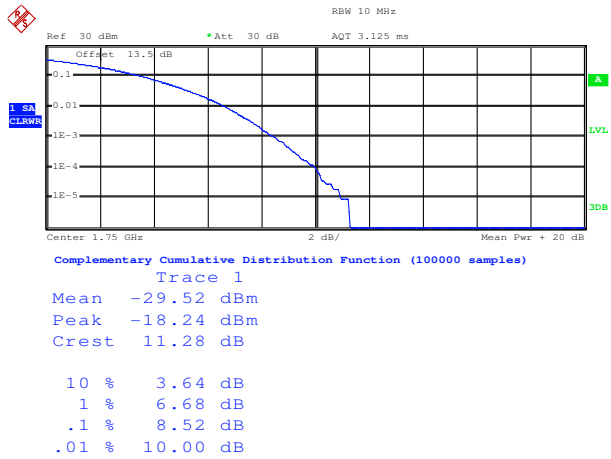
QPSK High channel-1 RB offset 25



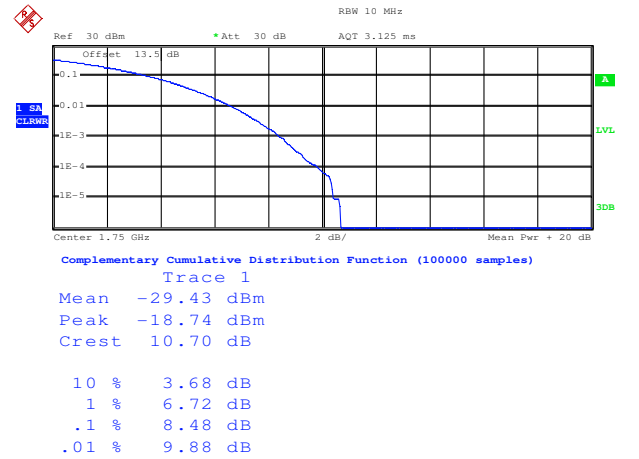
16QAM High channel-1 RB offset 25



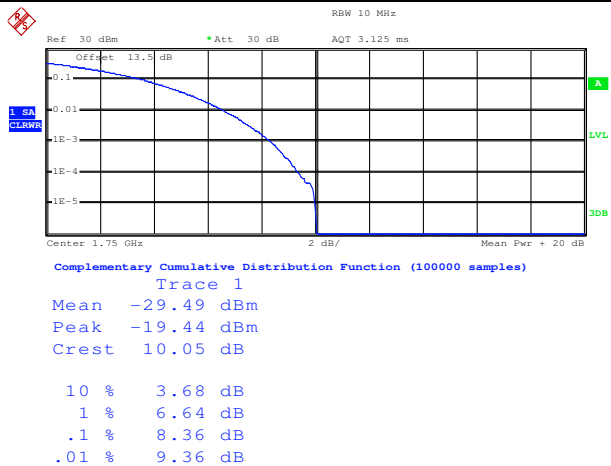
QPSK High channel-1 RB offset 49



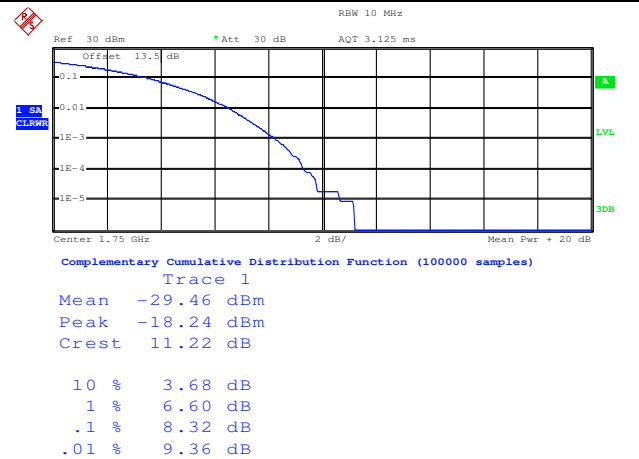
16QAM High channel-1 RB offset 49

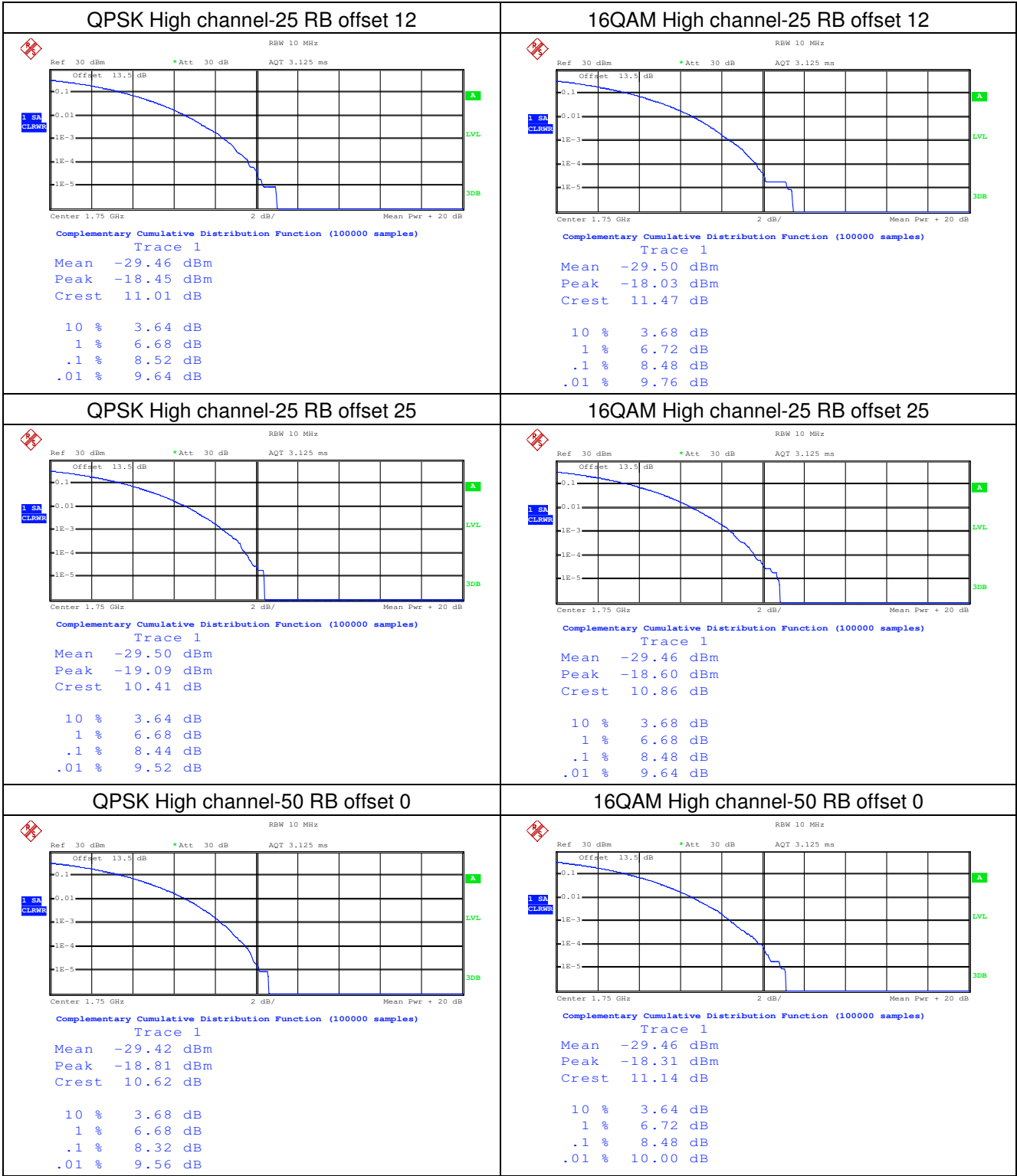


QPSK High channel-25 RB offset 0



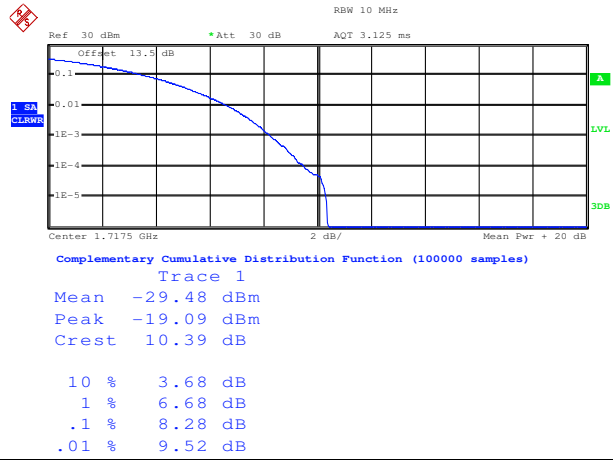
16QAM High channel-25 RB offset 0



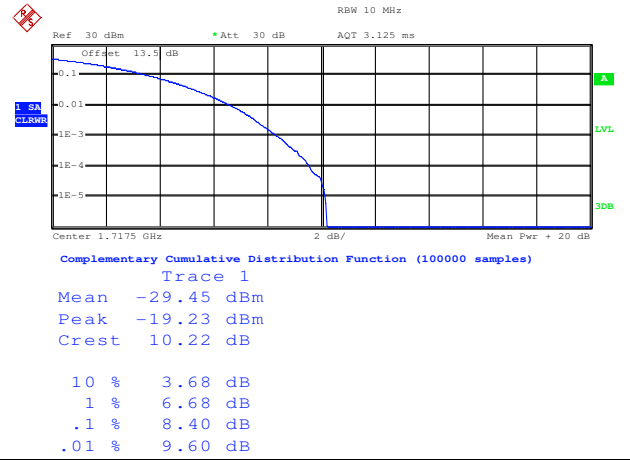


LTE FDD Band 4, Nominal Bandwidth: 15MHz

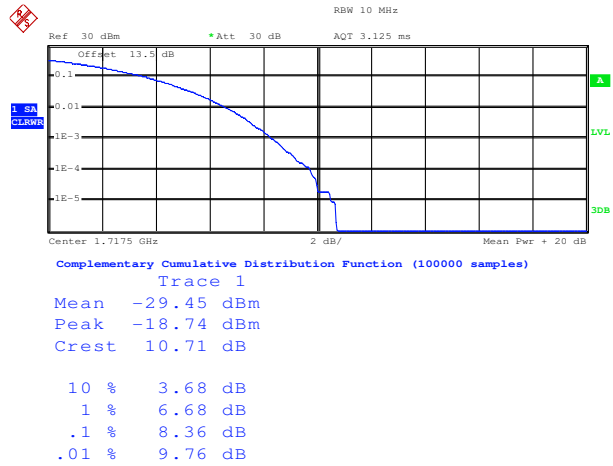
QPSK Low channel-1 RB offset 0



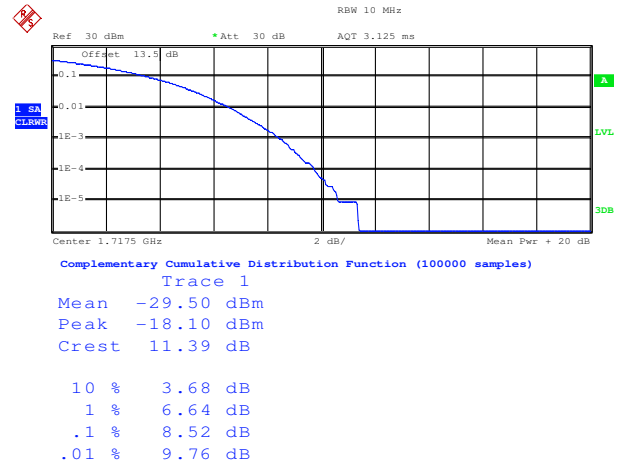
16QAM Low channel-1 RB offset 0



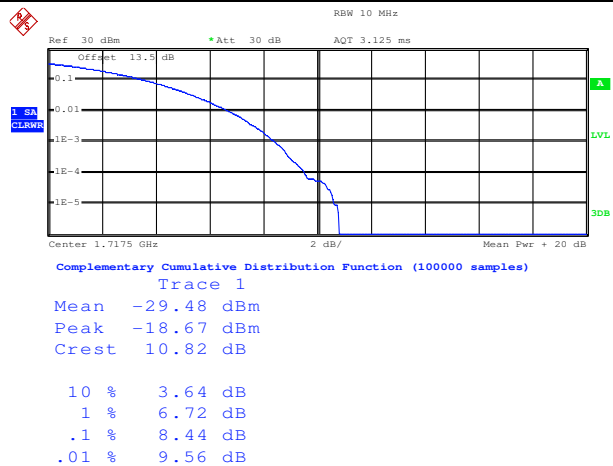
QPSK Low channel-1 RB offset 37



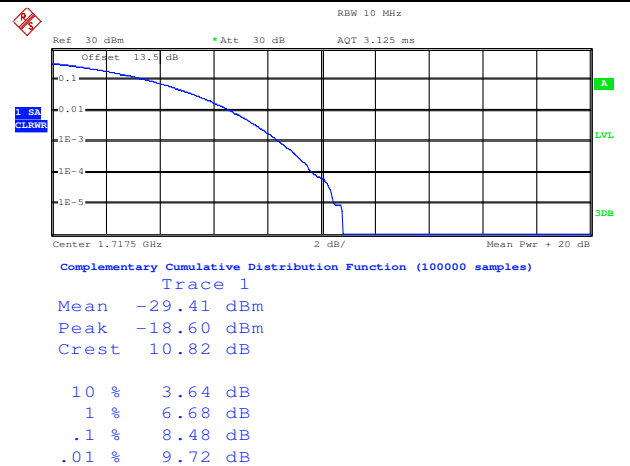
16QAM Low channel-1 RB offset 37

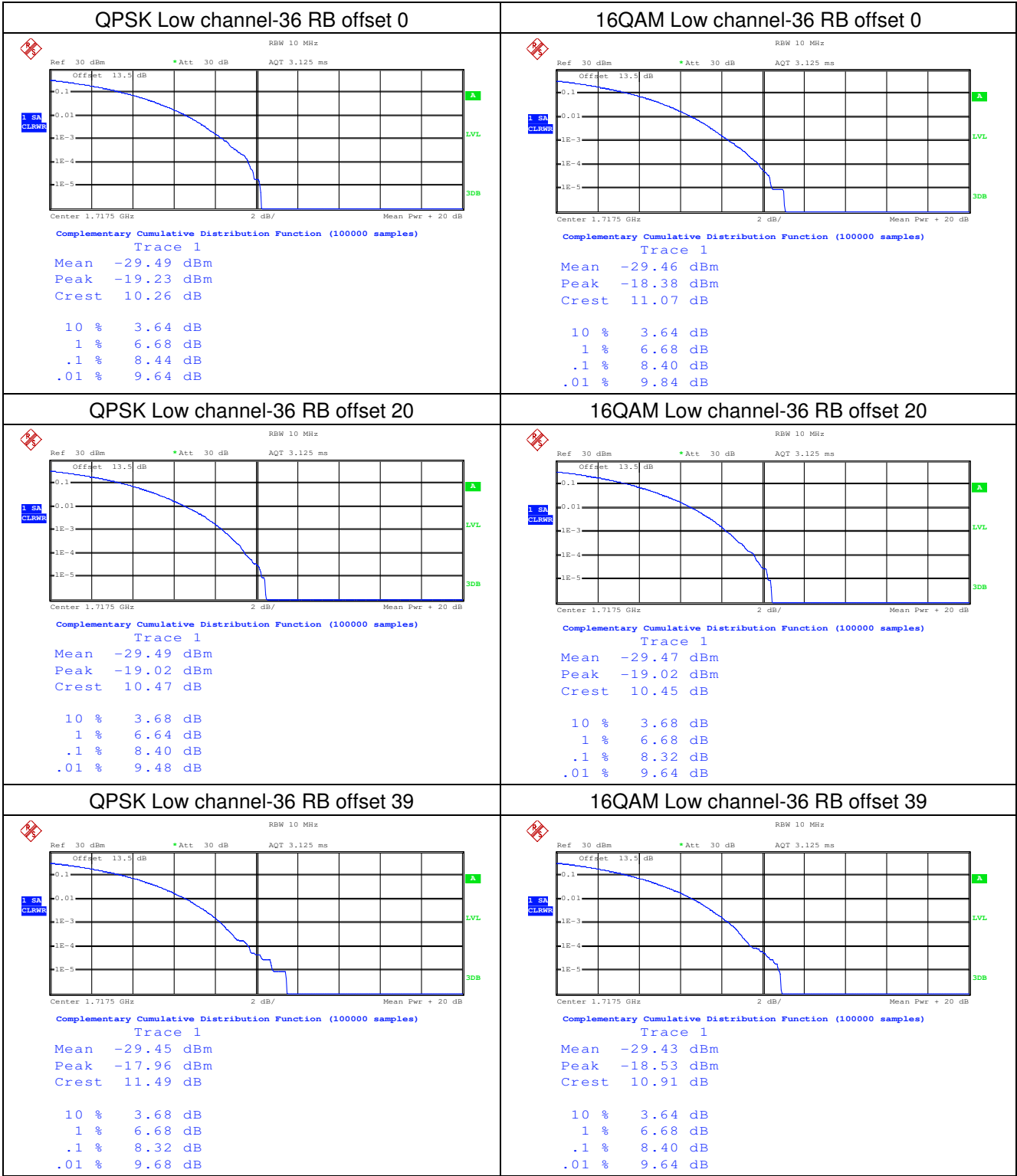


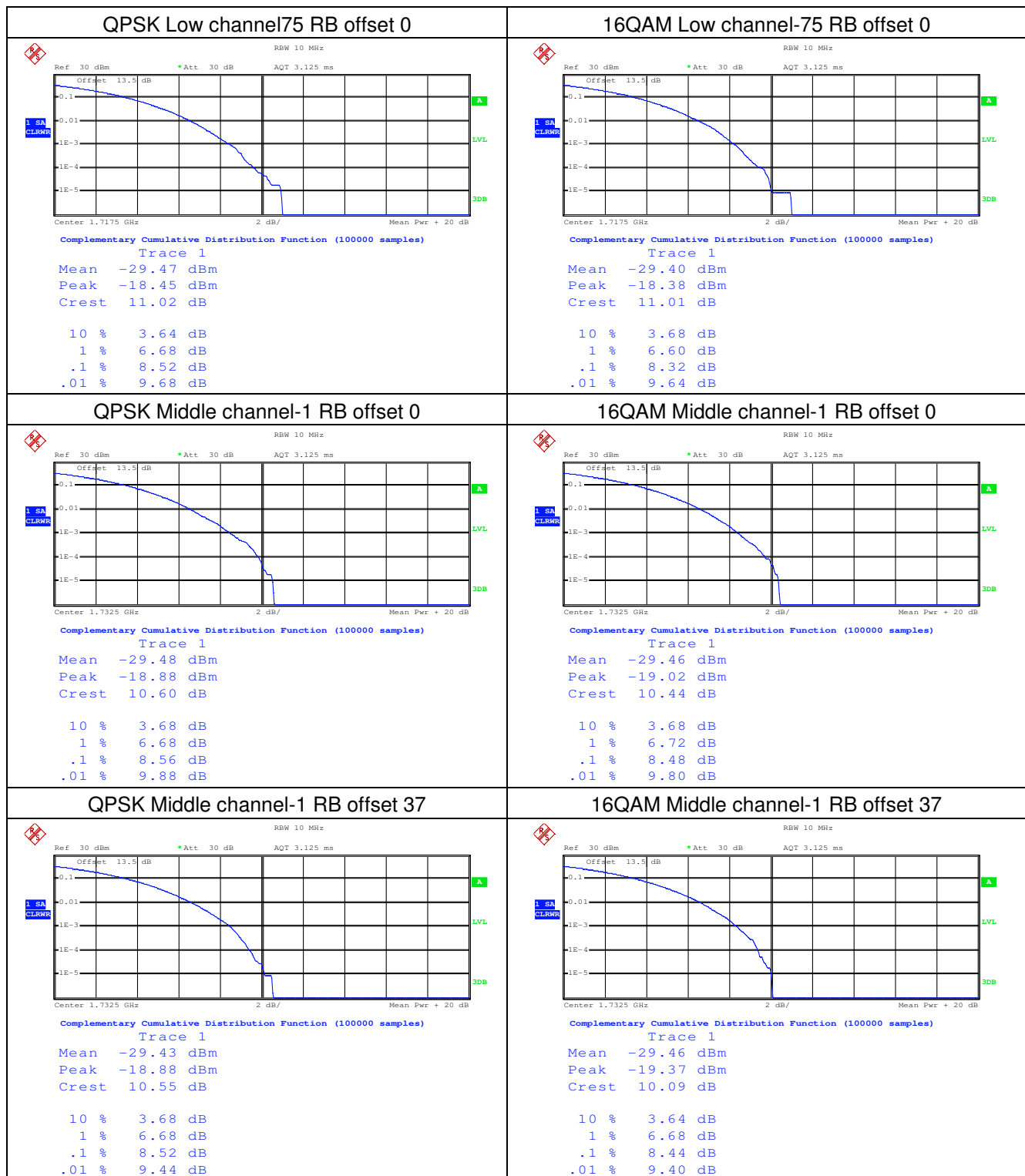
QPSK Low channel-1 RB offset 74

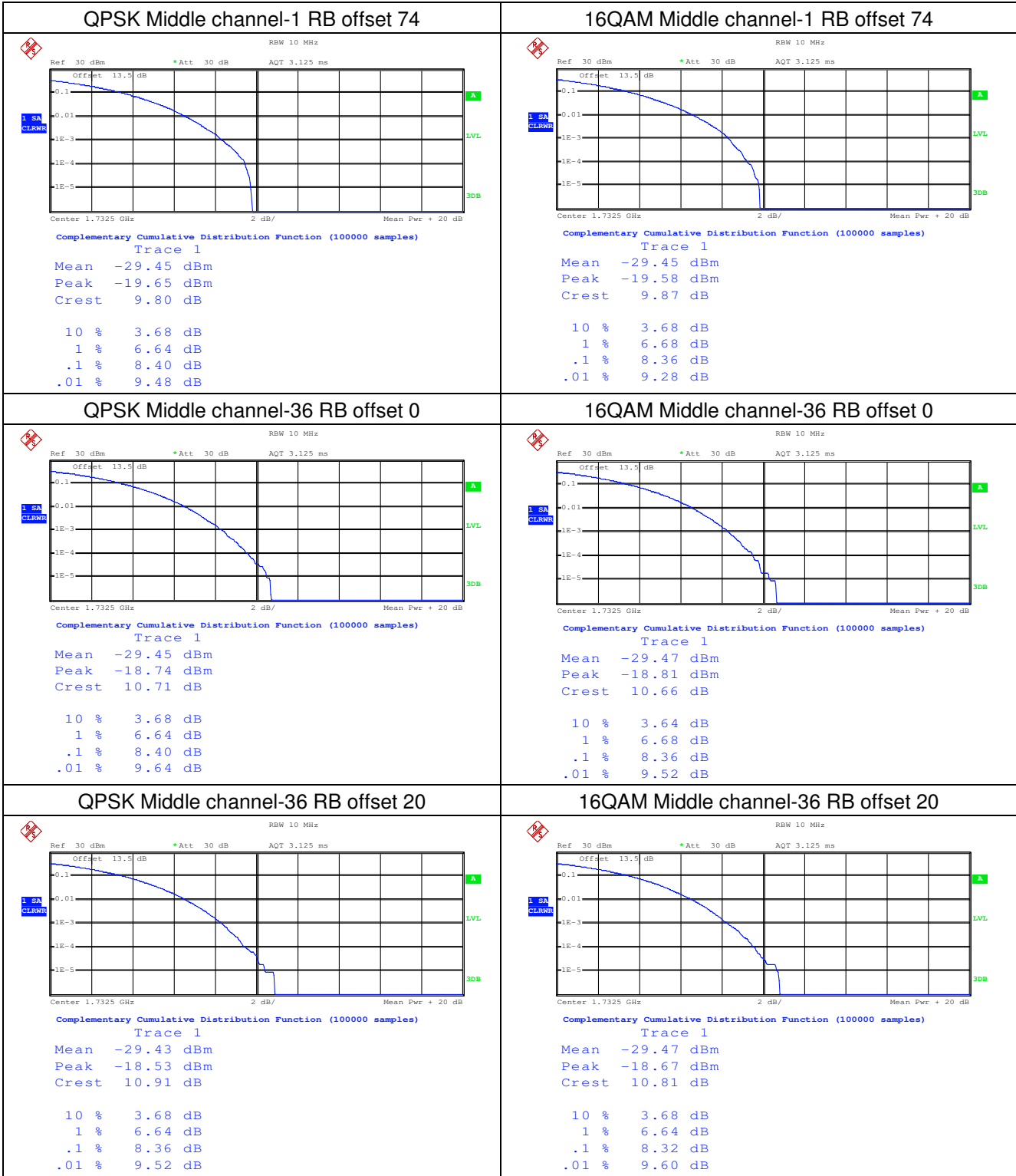


16QAM Low channel-1 RB offset 74

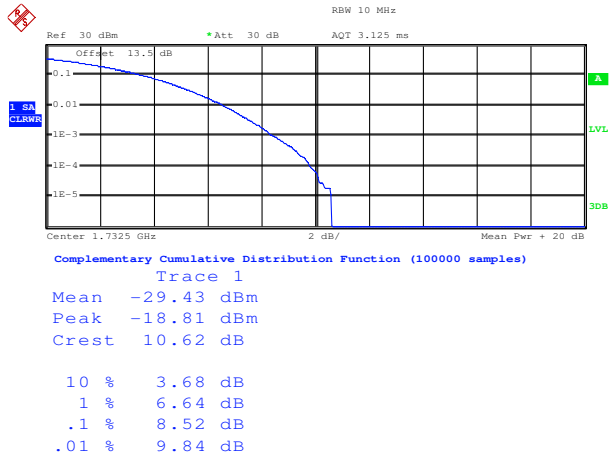




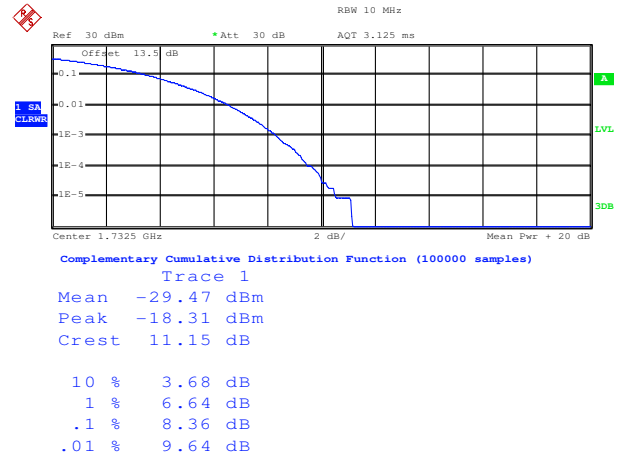




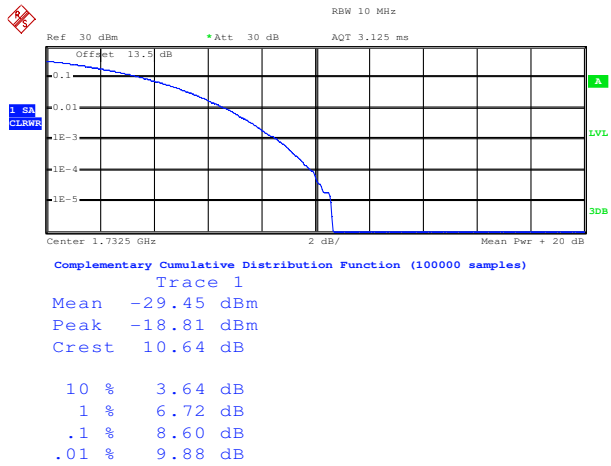
QPSK Middle channel-36 RB offset 39



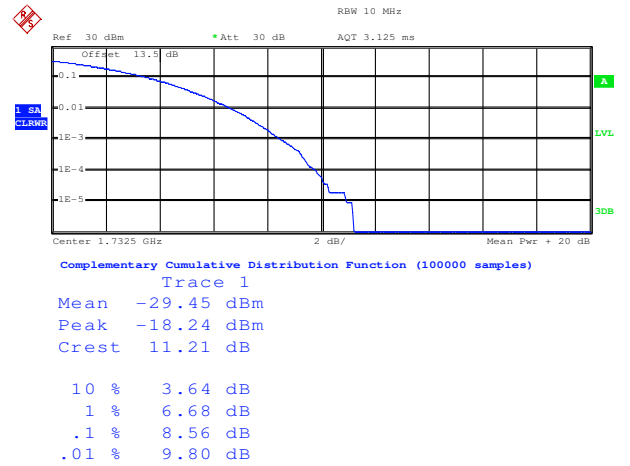
16QAM Middle channel-36 RB offset 39



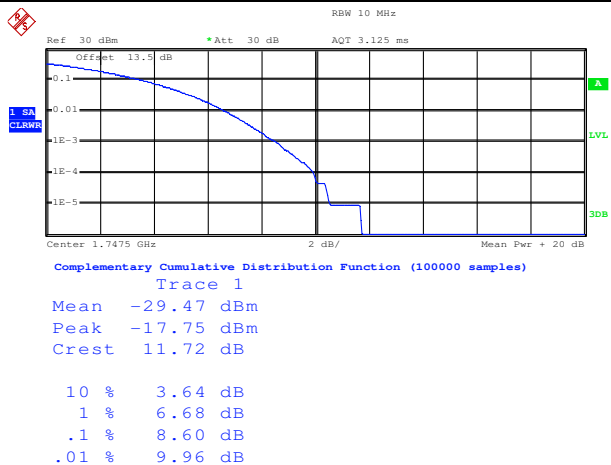
QPSK Middle channel-75 RB offset 0



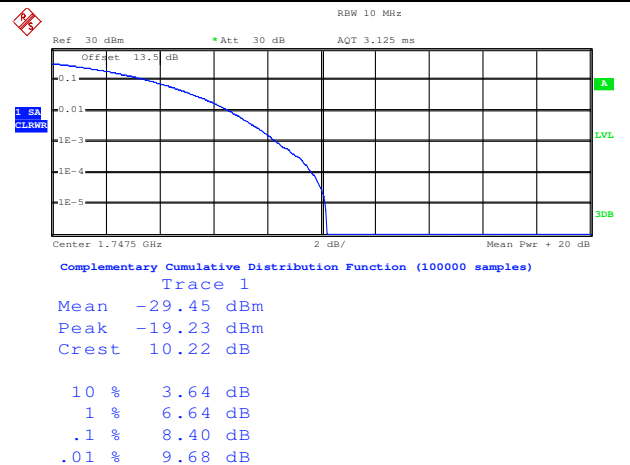
16QAM Middle channel-75 RB offset 0



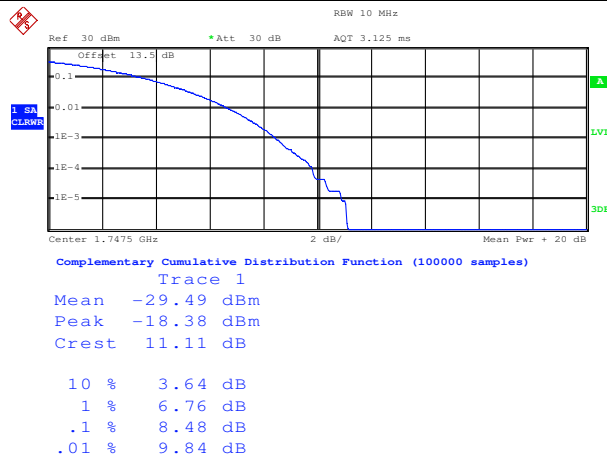
QPSK High channel-1 RB offset 0



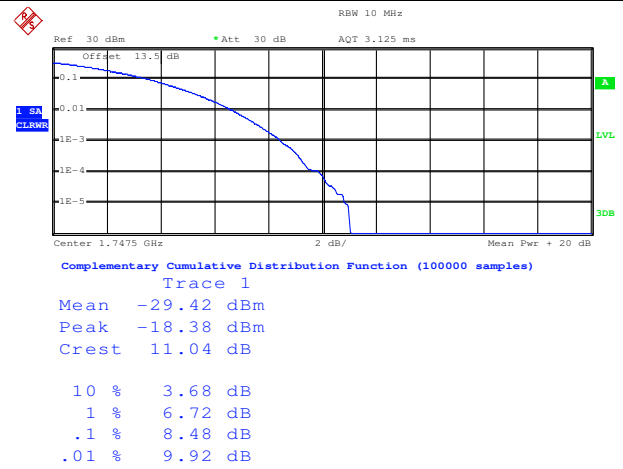
16QAM High channel-1 RB offset 0



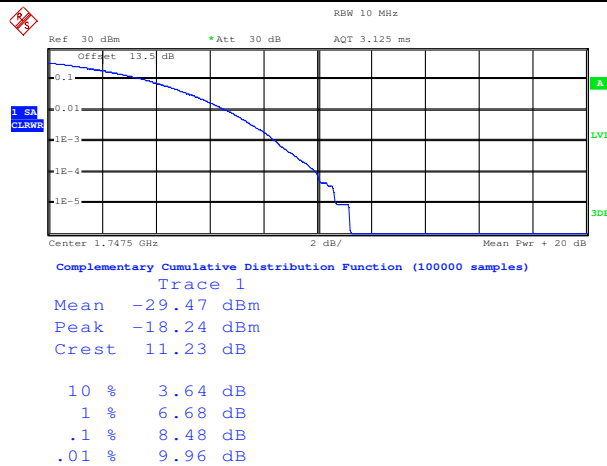
QPSK High channel-1 RB offset 37



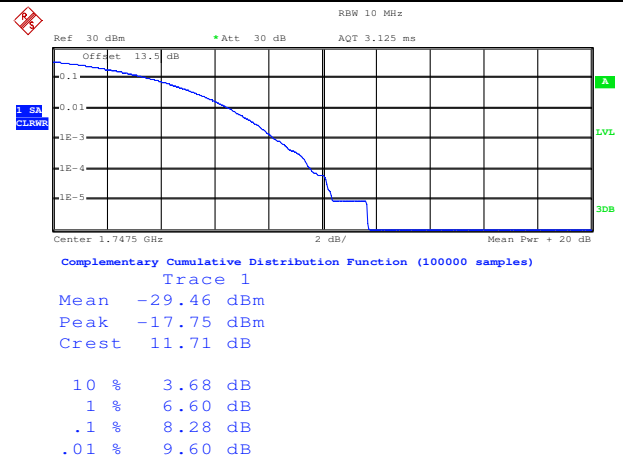
16QAM High channel-1 RB offset 37



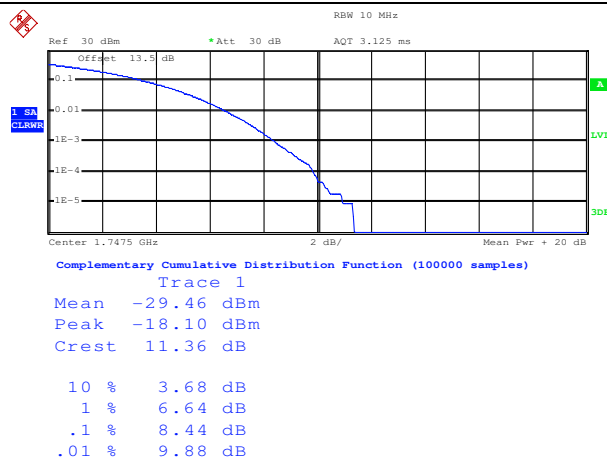
QPSK High channel-1 RB offset 74



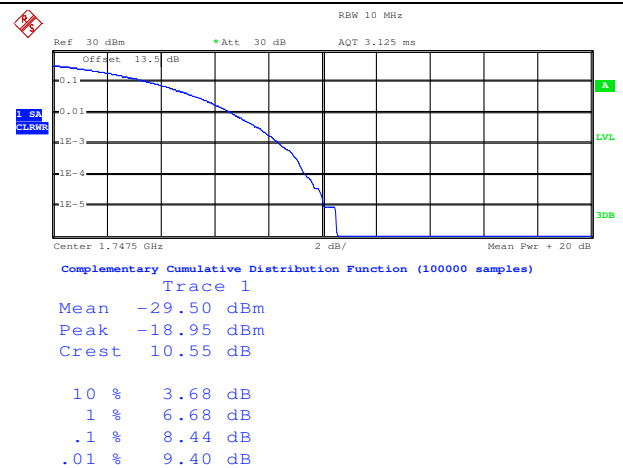
16QAM High channel-1 RB offset 74

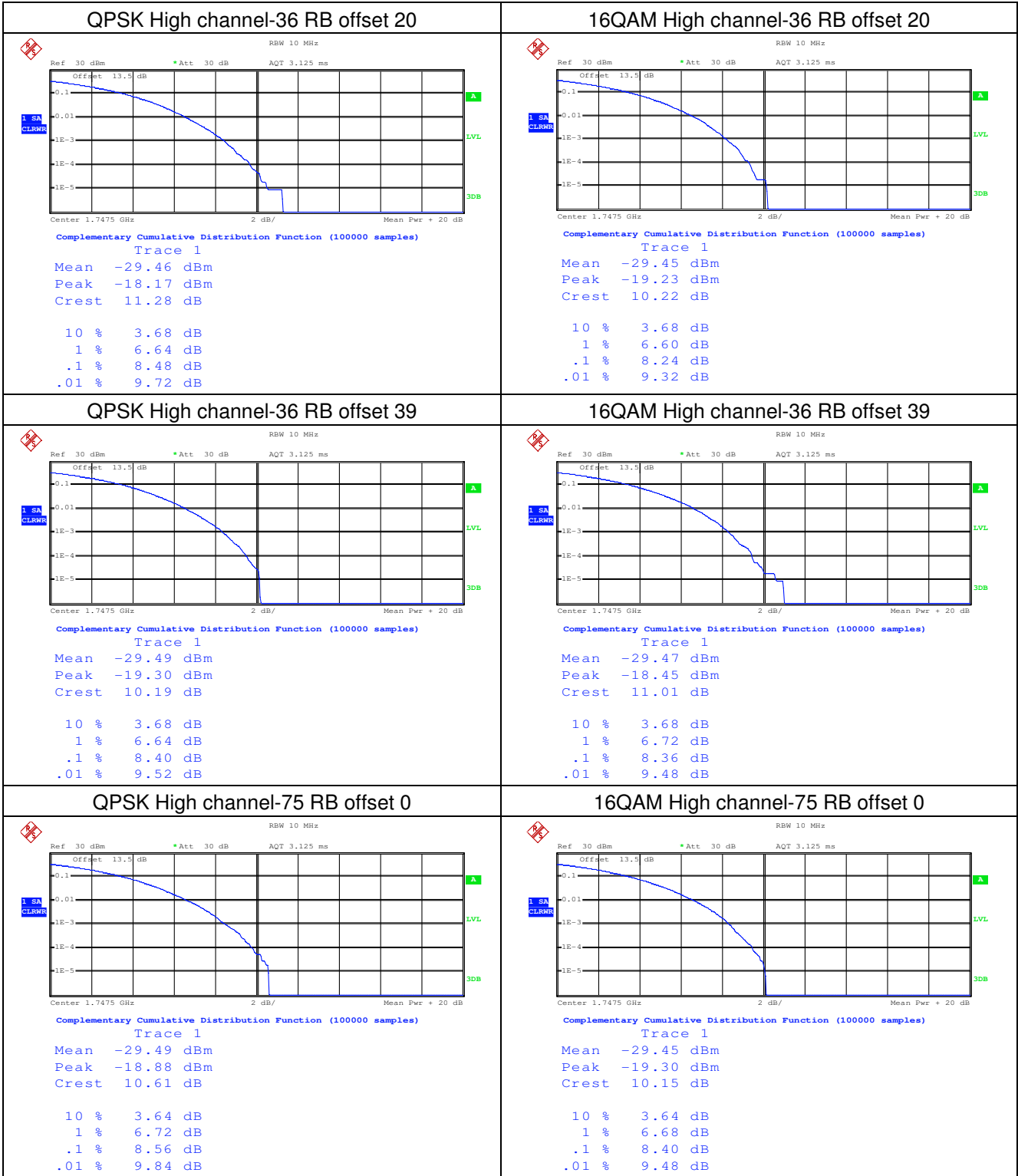


QPSK High channel-36 RB offset 0



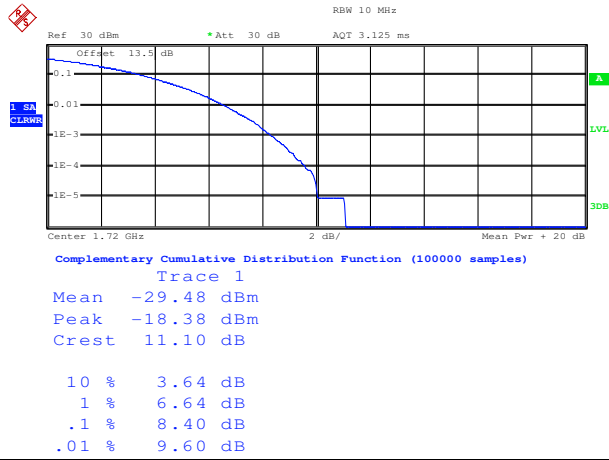
16QAM High channel-36 RB offset 0



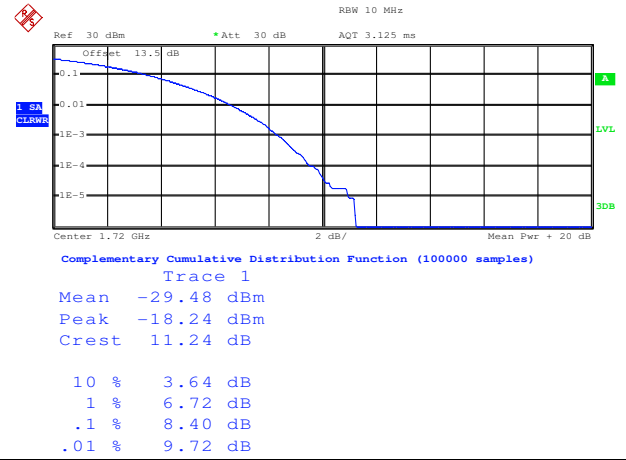


LTE FDD Band 4, Nominal Bandwidth: 20MHz

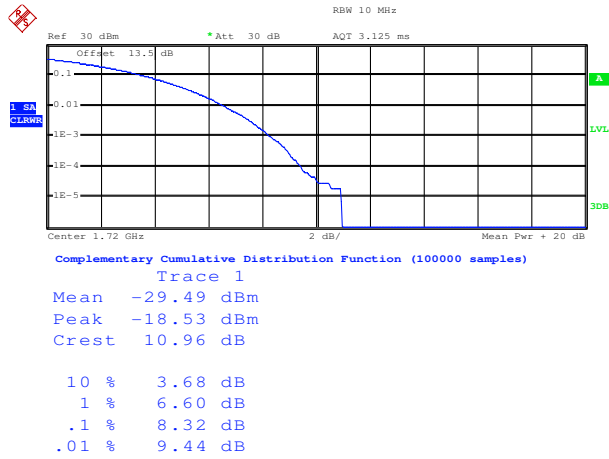
QPSK Low channel-1 RB offset 0



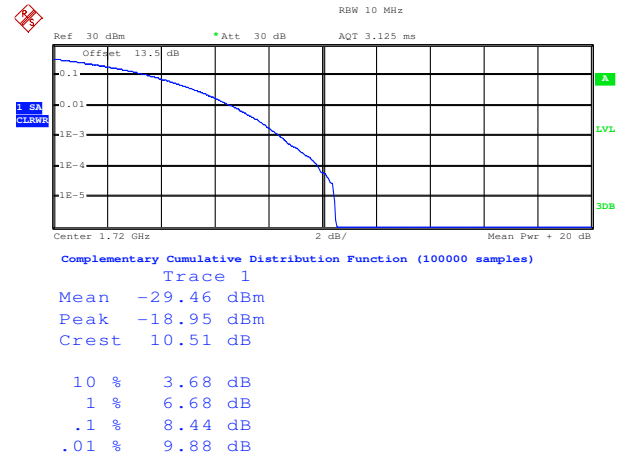
16QAM Low channel-1 RB offset 0



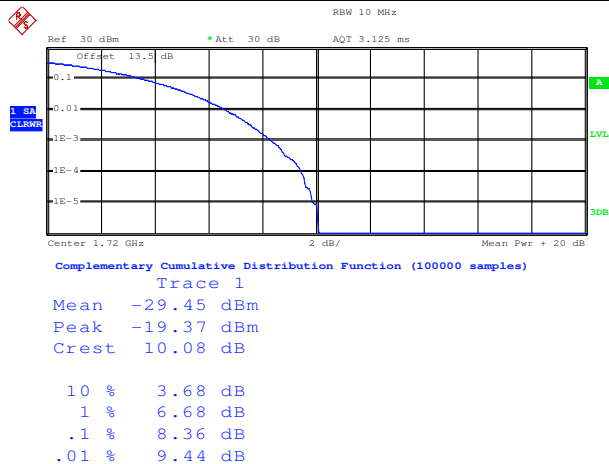
QPSK Low channel-1 RB offset 50



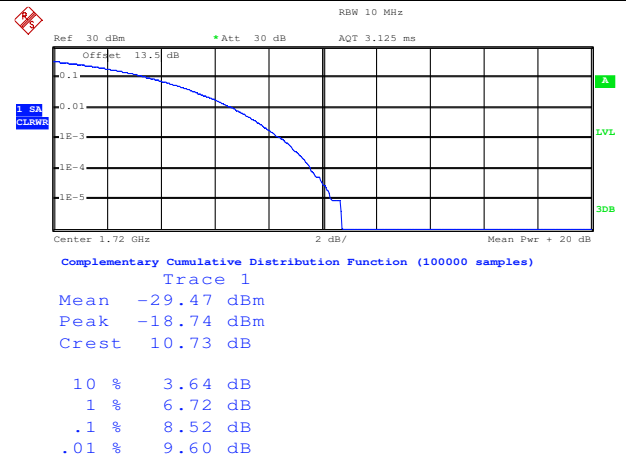
16QAM Low channel-1 RB offset 50



QPSK Low channel-1 RB offset 99



16QAM Low channel-1 RB offset 99



QPSK Low channel-50 RB offset 0

RBW 10 MHz

Ref 30 dBm Att 30 dB AQT 3.125 ms

Offset 13.5 dB

1 SA CLEARW

Center 1.72 GHz 2 dB/ Mean Pwr +20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Level	Power (dBm)
Mean	-29.44
Peak	-18.88
Crest	10.57

Level (%)	Power (dBm)
10 %	3.68
1 %	6.68
.1 %	8.44
.01 %	9.60

16QAM Low channel-50 RB offset 0

RBW 10 MHz

Ref 30 dBm Att 30 dB AQF 3.125 ms

Offset 13.5 dB

Center 1.72 GHz 2 dB/ Mean Pwr +20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean -29.43 dBm

Peak -19.51 dBm

Crest 9.92 dB

10 % 3.64 dB

1 % 6.64 dB

.1 % 8.40 dB

.01 % 9.32 dB

QPSK Low channel-50 RB offset 24

RBW 10 MHz

Ref 30 dBm Att 30 dB AQT 3.125 ms

Offset 13.5 dB

1 SA CLAW

Center 1.72 GHz 2 dB/ Mean Pwr + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	Peak	Crest
-29.47 dBm	-19.16 dBm	10.31 dB

Percentage	Power (dB)
10 %	3.64 dB
1 %	6.68 dB
.1 %	8.44 dB
.01 %	9.60 dB

16QAM Low channel-50 RB offset 24

RBW 10 MHz

Ref 30 dBm Att 30 dB AQT 3.125 ms

Offset 13.5 dB

1.72 GHz

2 dB/

Mean Pwr + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean -29.49 dBm

Peak -18.31 dBm

Crest 11.17 dB

10 % 3.64 dB

1 % 6.60 dB

.1 % 8.28 dB

.01 % 9.56 dB

QPSK Low channel-50 RB offset 50

Ref 30 dBm * Att 30 dB AQT 3.125 ms

Offset 13.5 dB

1.72 GHz

2 dB/

Mean Pwr = -20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean -29.45 dBm

Peak -18.74 dBm

Crest 10.71 dB

10 %	3.64 dB
1 %	6.72 dB
.1 %	8.48 dB
.01 %	9.60 dB

16QAM Low channel-50 RB offset 50

RBW 10 MHz

Ref 30 dBm *Att 30 dB AQT 3.125 ms

Offset 13.5 dB

1 SA CLEAR

Center 1.72 GHz 2 dB/ Mean Pwr + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

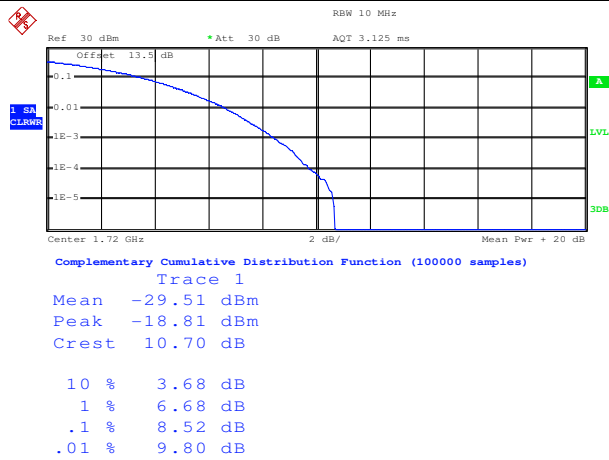
Mean -29.45 dBm

Peak -17.96 dBm

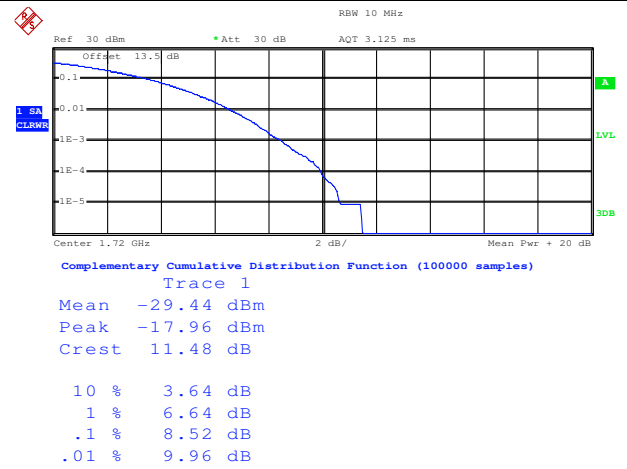
Crest 11.48 dB

Power Level (%)	Power (dBm)
10 %	3.68 dB
1 %	6.68 dB
.1 %	8.48 dB
.01 %	9.92 dB

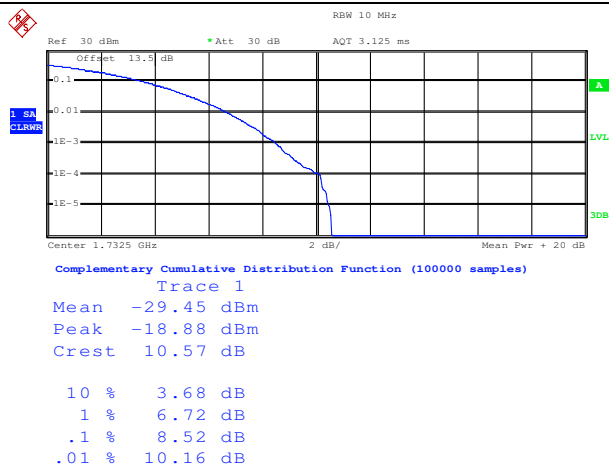
QPSK Low channel-100 RB offset 0



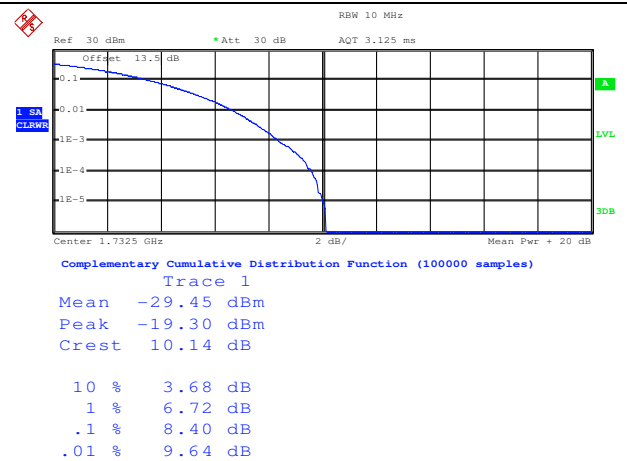
16QAM Low channel-100 RB offset 0



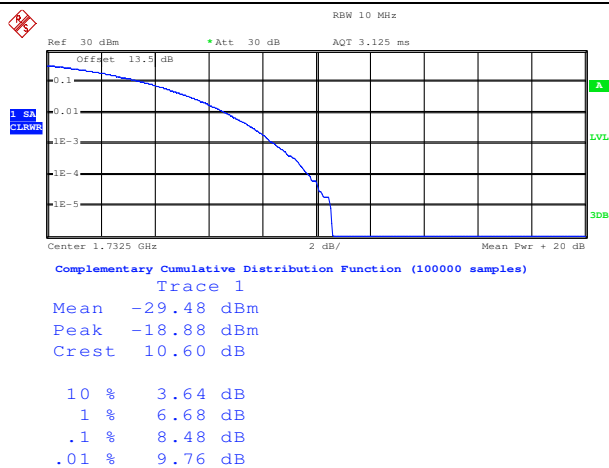
QPSK Middle channel-1 RB offset 0



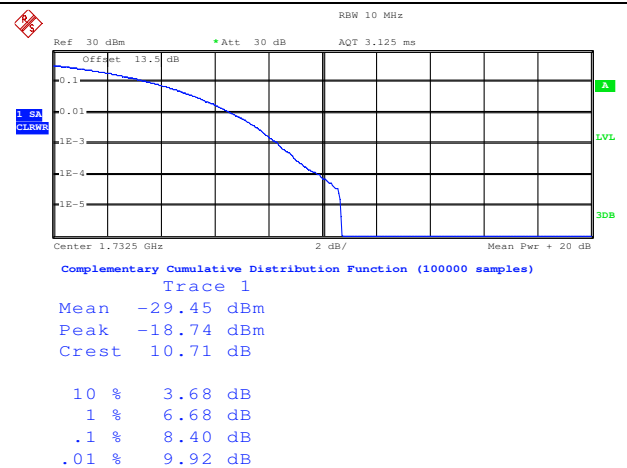
16QAM Middle channel-1 RB offset 0

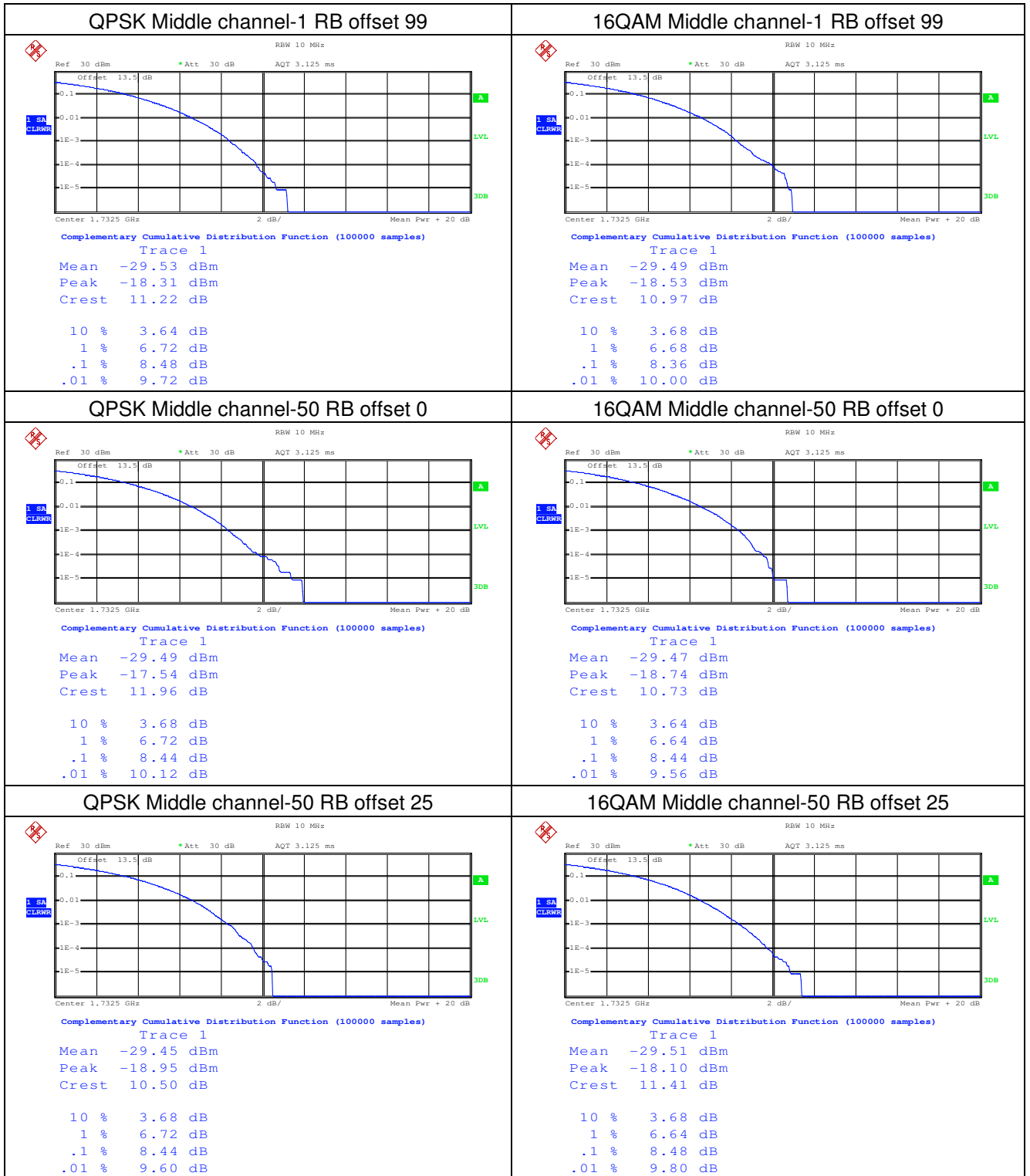


QPSK Middle channel-1 RB offset 50

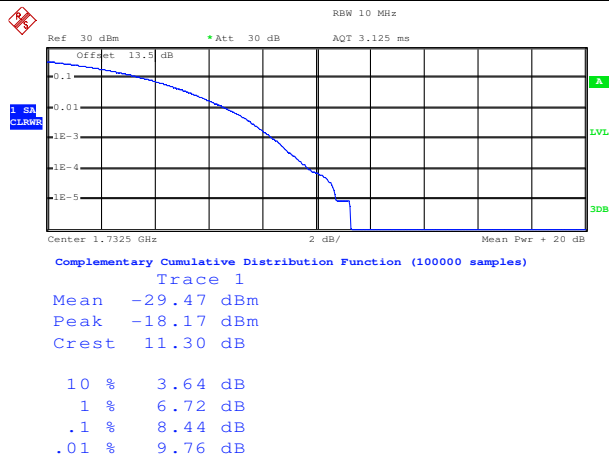


16QAM Middle channel-1 RB offset 50

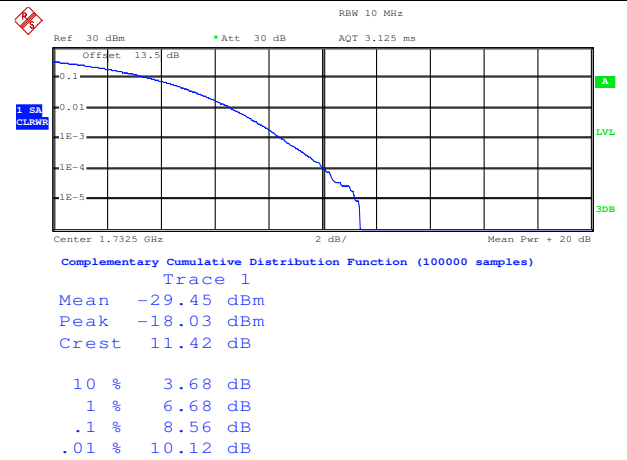




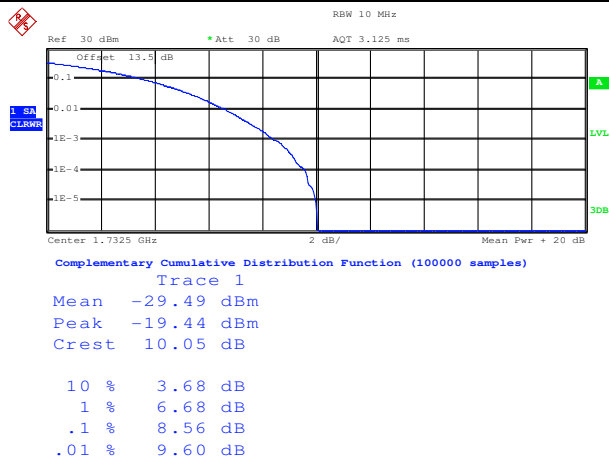
QPSK Middle channel-50 RB offset 50



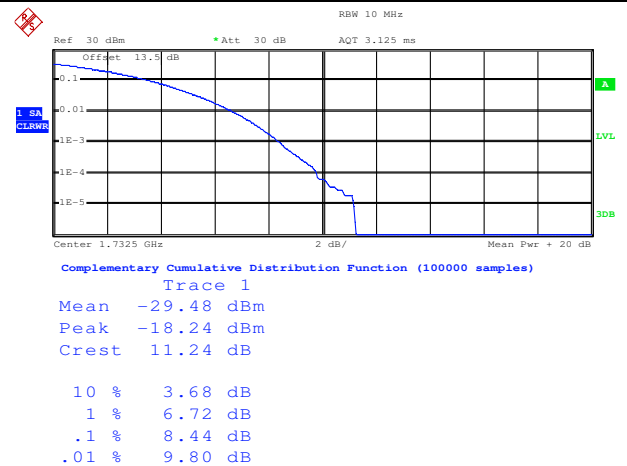
16QAM Middle channel-50 RB offset 50



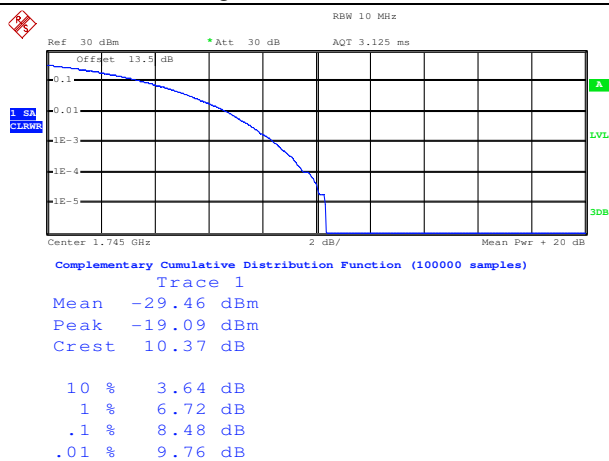
QPSK Middle channel-100 RB offset 0



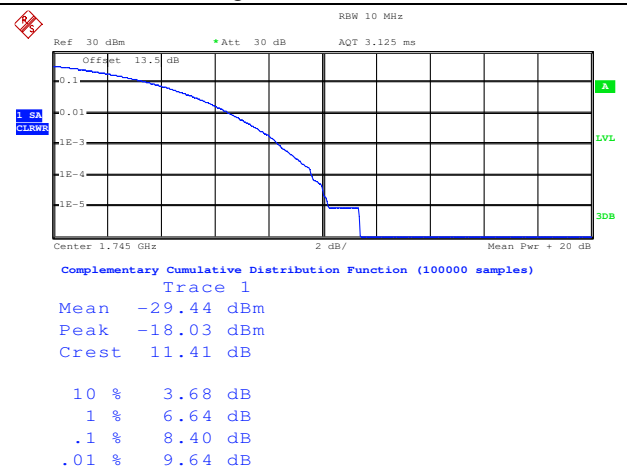
16QAM Middle channel-100 RB offset 0



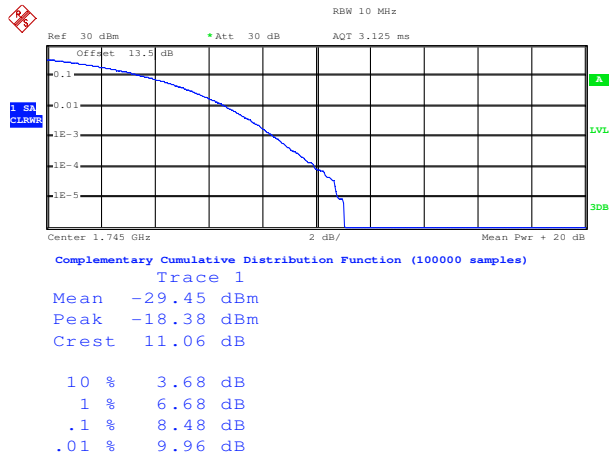
QPSK High channel-1 RB offset 0



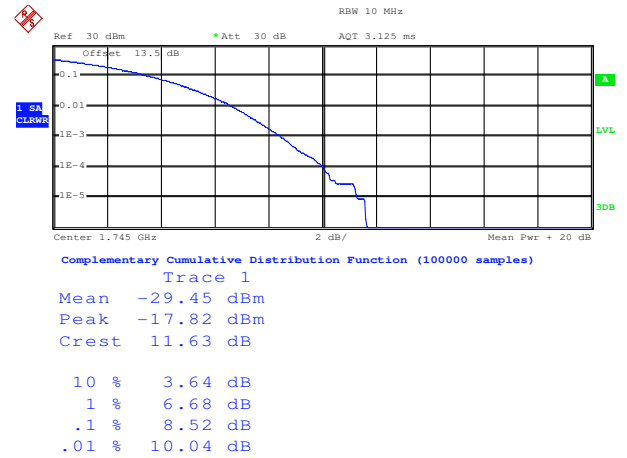
16QAM High channel-1 RB offset 0



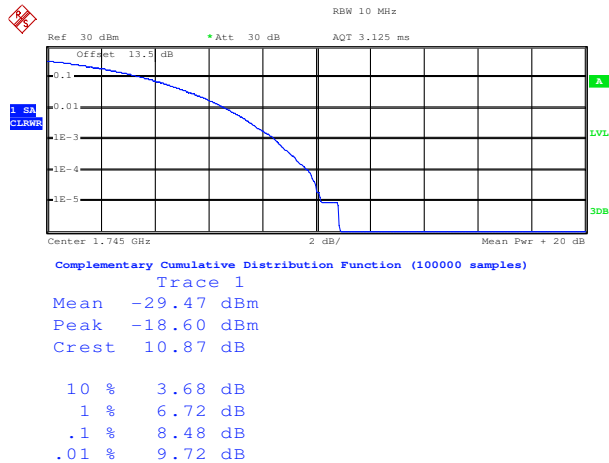
QPSK High channel-1 RB offset 50



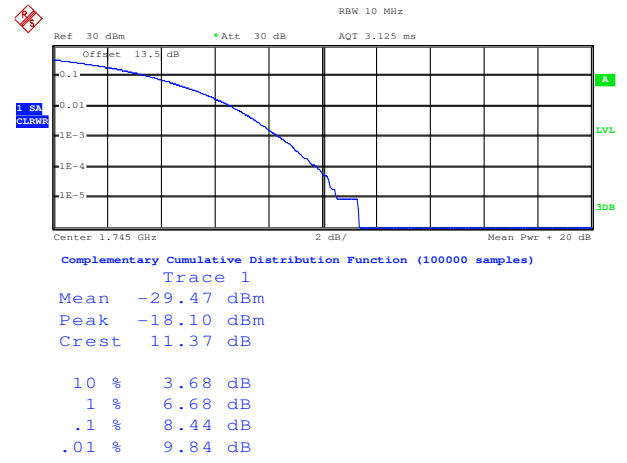
16QAM High channel-1 RB offset 50



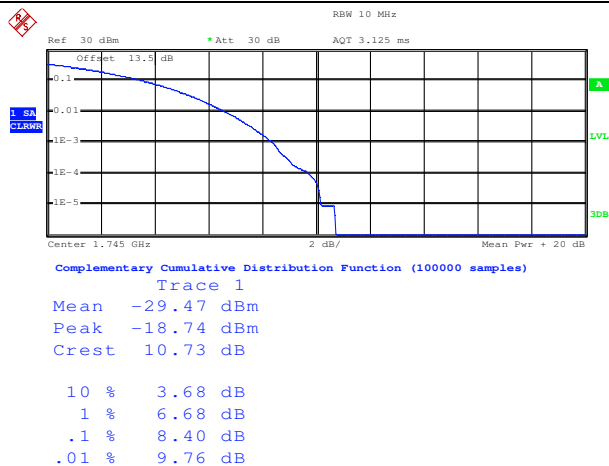
QPSK High channel-1 RB offset 99



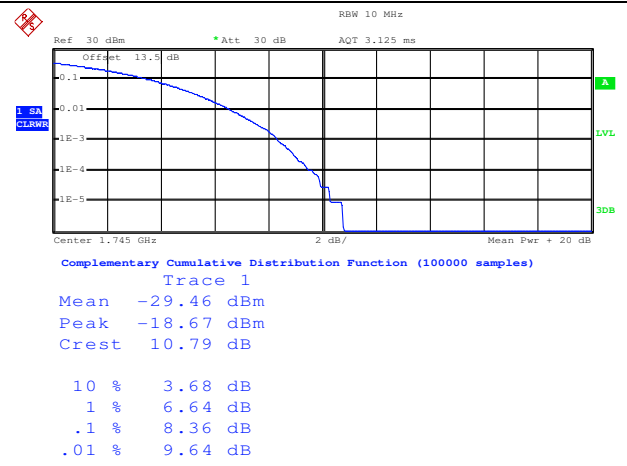
16QAM High channel-1 RB offset 99



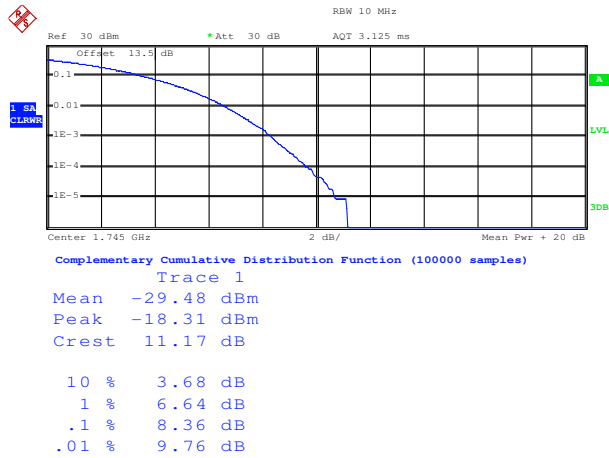
QPSK High channel-508 RB offset 0



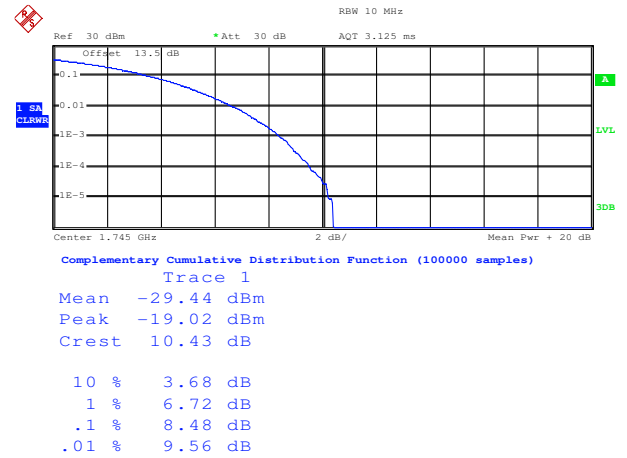
16QAM High channel-508 RB offset 0



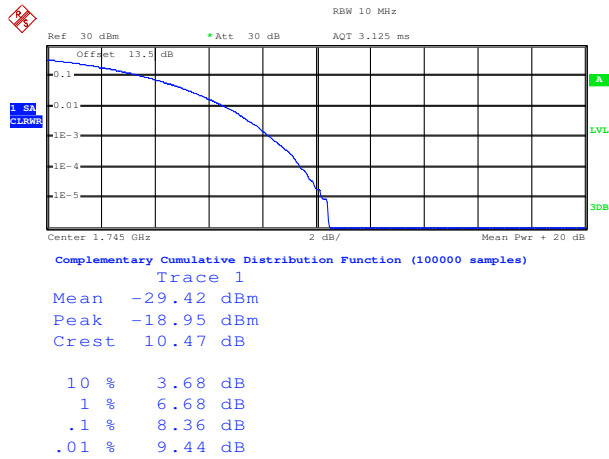
QPSK High channel-50 RB offset 25



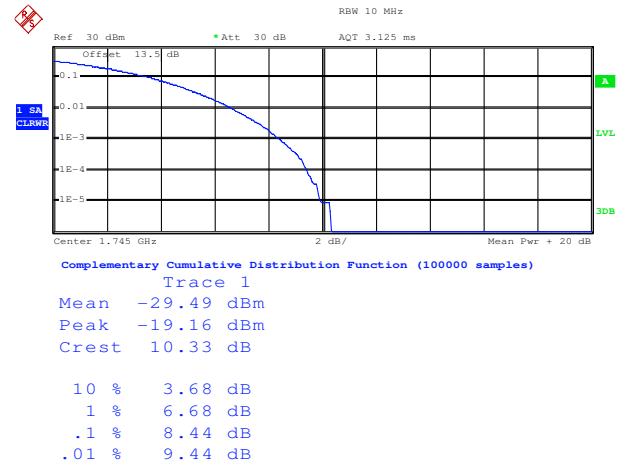
16QAM High channel-50 RB offset 25



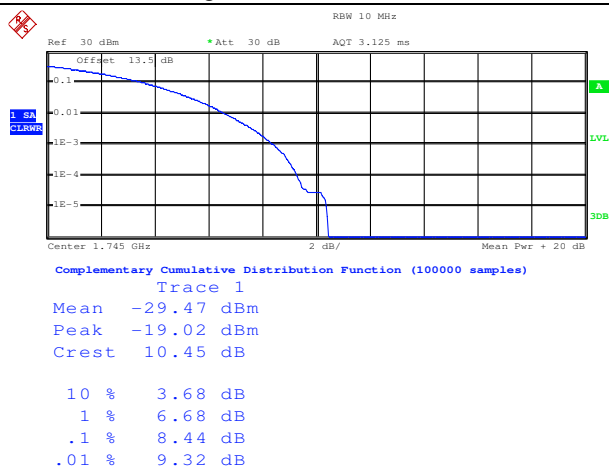
QPSK High channel-50 RB offset 50



16QAM High channel-50 RB offset 50



QPSK High channel-100 RB offset 0



16QAM High channel-100 RB offset 0

