

LTE TDD Band 38, Nominal Bandwidth: 5.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.8	13	Pass
		1	12	7	13	Pass
		1	24	8.32	13	Pass
		12	0	8.32	13	Pass
		12	7	7.32	13	Pass
		12	13	7.28	13	Pass
		25	0	7.4	13	Pass
	MCH	1	0	6.92	13	Pass
		1	12	8.24	13	Pass
		1	24	7.56	13	Pass
		12	0	7.36	13	Pass
		12	7	9.72	13	Pass
		12	13	7	13	Pass
		25	0	7.4	13	Pass
	HCH	1	0	6.08	13	Pass
		1	12	6.16	13	Pass
		1	24	6.28	13	Pass
		12	0	6.84	13	Pass
		12	7	7	13	Pass
		12	13	8.08	13	Pass
		25	0	7.36	13	Pass
16QAM	LCH	1	0	7.76	13	Pass
		1	12	8.4	13	Pass
		1	24	7.76	13	Pass
		12	0	8.32	13	Pass
		12	7	8.8	13	Pass
		12	13	9	13	Pass
		25	0	7.8	13	Pass
	MCH	1	0	8.4	13	Pass
		1	12	7.72	13	Pass
		1	24	8.48	13	Pass
		12	0	9.84	13	Pass
		12	7	7.8	13	Pass
		12	13	8.92	13	Pass
		25	0	7.96	13	Pass
	HCH	1	0	7.96	13	Pass
		1	12	7.44	13	Pass
		1	24	7.72	13	Pass
		12	0	9.04	13	Pass
		12	7	7.76	13	Pass
		12	13	9.2	13	Pass
		25	0	9.52	13	Pass

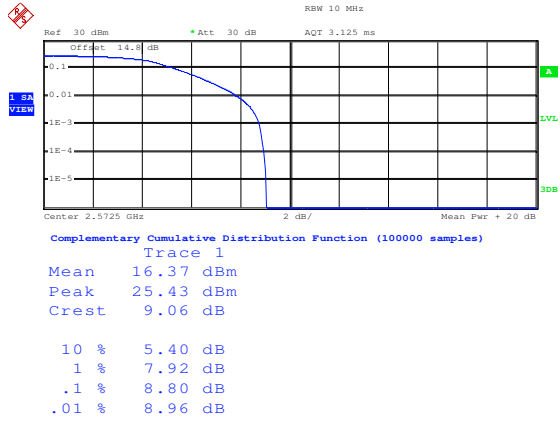
LTE TDD Band 38, Nominal Bandwidth: 10.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	7.08	13	Pass
		1	25	8.68	13	Pass
		1	49	7.44	13	Pass
		25	0	7.44	13	Pass
		25	12	7.92	13	Pass
		25	25	7.2	13	Pass
		50	0	7.16	13	Pass
	MCH	1	0	7.36	13	Pass
		1	25	8.4	13	Pass
		1	49	8	13	Pass
		25	0	7	13	Pass
		25	12	7.44	13	Pass
		25	25	8.52	13	Pass
		50	0	7.48	13	Pass
	HCH	1	0	8.04	13	Pass
		1	25	7.2	13	Pass
		1	49	6.04	13	Pass
		25	0	8.12	13	Pass
		25	12	7.68	13	Pass
		25	25	9.84	13	Pass
		50	0	7.2	13	Pass
16QAM	LCH	1	0	9.6	13	Pass
		1	25	7.28	13	Pass
		1	49	8.36	13	Pass
		25	0	7.72	13	Pass
		25	12	9.32	13	Pass
		25	25	7.88	13	Pass
		50	0	9.16	13	Pass
	MCH	1	0	9.2	13	Pass
		1	25	8.84	13	Pass
		1	49	8.12	13	Pass
		25	0	8.84	13	Pass
		25	12	8.68	13	Pass
		25	25	8.8	13	Pass
		50	0	8	13	Pass
	HCH	1	0	8.88	13	Pass
		1	25	7.04	13	Pass
		1	49	7.4	13	Pass
		25	0	7.76	13	Pass
		25	12	7.76	13	Pass
		25	25	9.04	13	Pass
		50	0	7.88	13	Pass

LTE TDD Band 38, Nominal Bandwidth: 15.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	7.72	13	Pass
		1	37	6.4	13	Pass
		1	74	9	13	Pass
		36	0	9	13	Pass
		36	20	11.04	13	Pass
		36	39	7.48	13	Pass
		75	0	7.8	13	Pass
	MCH	1	0	8.68	13	Pass
		1	37	7.84	13	Pass
		1	74	9.12	13	Pass
		36	0	7.08	13	Pass
		36	20	7.24	13	Pass
		36	39	9.48	13	Pass
		75	0	7.6	13	Pass
	HCH	1	0	9.8	13	Pass
		1	37	8.16	13	Pass
		1	74	9.4	13	Pass
		36	0	7.4	13	Pass
		36	20	9.08	13	Pass
		36	39	8.04	13	Pass
		75	0	7.64	13	Pass
16QAM	LCH	1	0	7.44	13	Pass
		1	37	9.12	13	Pass
		1	74	9.8	13	Pass
		36	0	8.88	13	Pass
		36	20	7.88	13	Pass
		36	39	9.24	13	Pass
		75	0	9.96	13	Pass
	MCH	1	0	7.68	13	Pass
		1	37	7.68	13	Pass
		1	74	9.24	13	Pass
		36	0	8.96	13	Pass
		36	20	8.08	13	Pass
		36	39	8.32	13	Pass
		75	0	8.64	13	Pass
	HCH	1	0	7.68	13	Pass
		1	37	7.12	13	Pass
		1	74	9.64	13	Pass
		36	0	8.12	13	Pass
		36	20	7.88	13	Pass
		36	39	8.68	13	Pass
		75	0	9.84	13	Pass

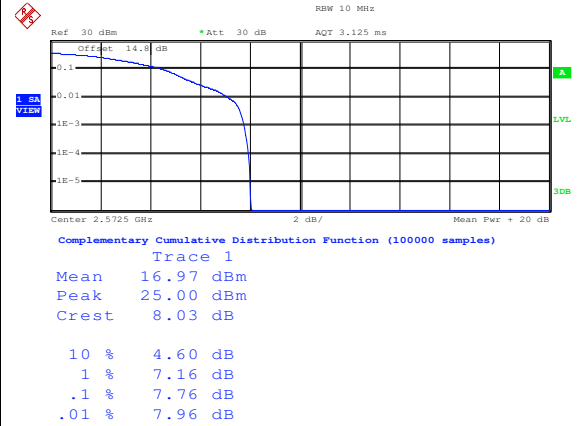
LTE TDD Band 38, Nominal Bandwidth: 20.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	8.52	13	Pass
		1	50	6.24	13	Pass
		1	99	7.96	13	Pass
		50	0	7.96	13	Pass
		50	25	10.72	13	Pass
		50	50	9.64	13	Pass
		100	0	9.72	13	Pass
	MCH	1	0	9.36	13	Pass
		1	50	9.32	13	Pass
		1	99	7.16	13	Pass
		50	0	8.8	13	Pass
		50	25	8.16	13	Pass
		50	50	9.32	13	Pass
		100	0	9.32	13	Pass
	HCH	1	0	6.52	13	Pass
		1	50	6.28	13	Pass
		1	99	8.04	13	Pass
		50	0	7.8	13	Pass
		50	25	9.96	13	Pass
		50	50	8.6	13	Pass
		100	0	8.12	13	Pass
16QAM	LCH	1	0	6.6	13	Pass
		1	50	7.28	13	Pass
		1	99	7.68	13	Pass
		50	0	8.6	13	Pass
		50	25	9.68	13	Pass
		50	50	8.84	13	Pass
		100	0	9.48	13	Pass
	MCH	1	0	6.84	13	Pass
		1	50	7.32	13	Pass
		1	99	8.2	13	Pass
		50	0	9.28	13	Pass
		50	25	8	13	Pass
		50	50	8.64	13	Pass
		100	0	8.92	13	Pass
	HCH	1	0	6.52	13	Pass
		1	50	7.08	13	Pass
		1	99	7.72	13	Pass
		50	0	8.64	13	Pass
		50	25	9.04	13	Pass
		50	50	8.88	13	Pass
		100	0	8.92	13	Pass

LTE TDD Band 38, Nominal Bandwidth: 5MHz

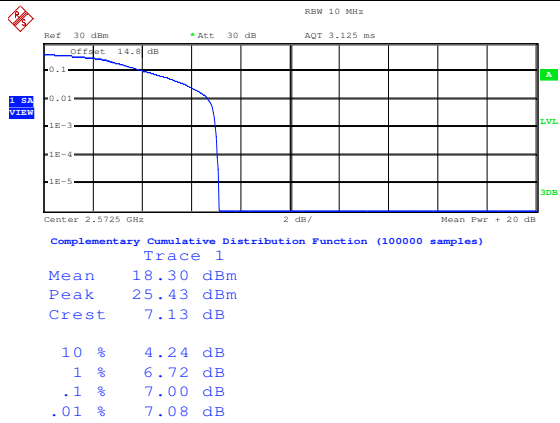
QPSK Low channel-1 RB offset 0



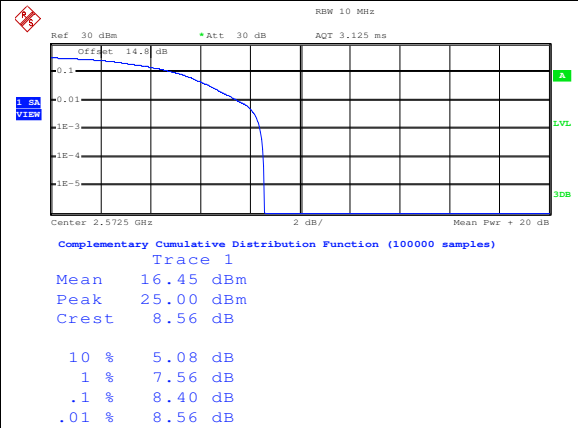
16QAM Low channel-1 RB offset 0



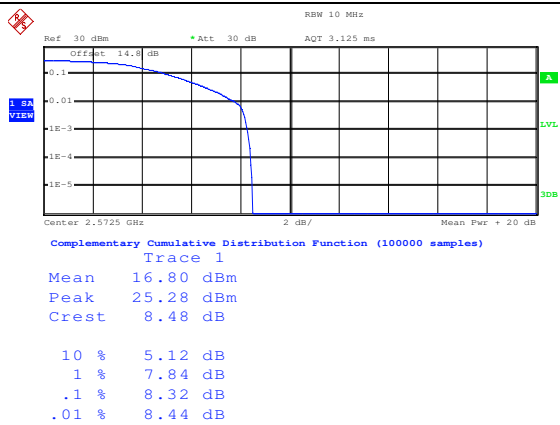
QPSK Low channel-1 RB offset 12



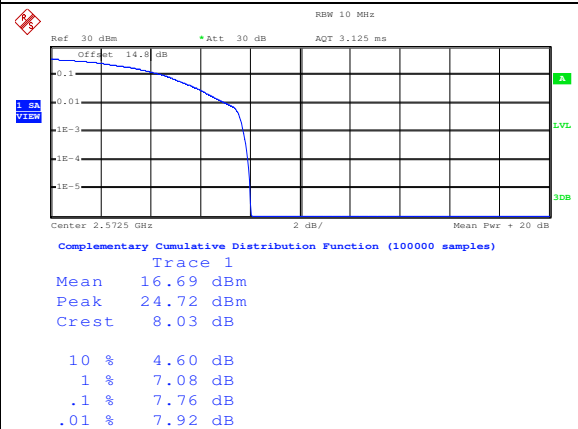
16QAM Low channel-1 RB offset 12



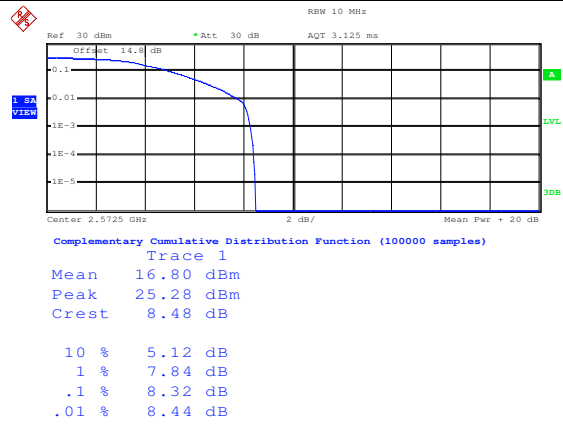
QPSK Low channel-1 RB offset 24



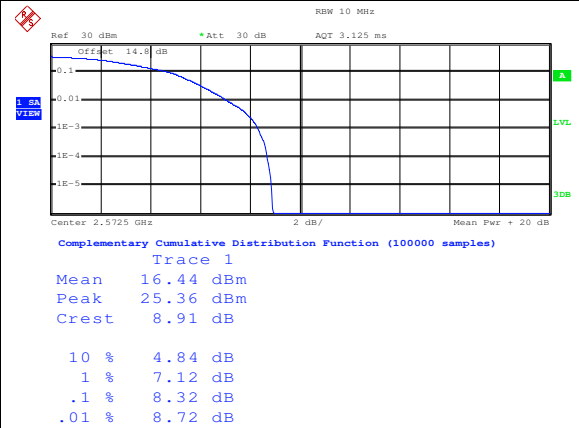
16QAM Low channel-1 RB offset 24



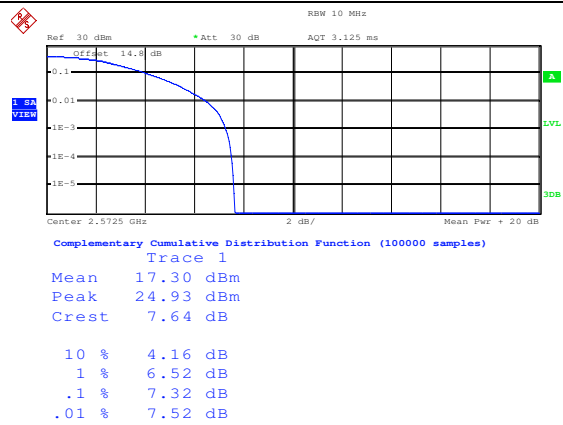
QPSK Low channel-12 RB offset 0



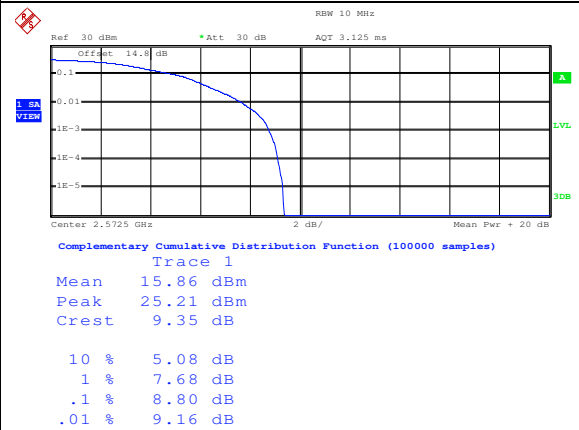
16QAM Low channel-12 RB offset 0



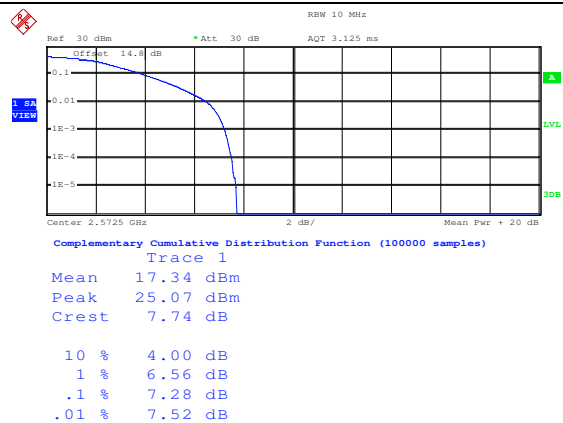
QPSK Low channel-12 RB offset 7



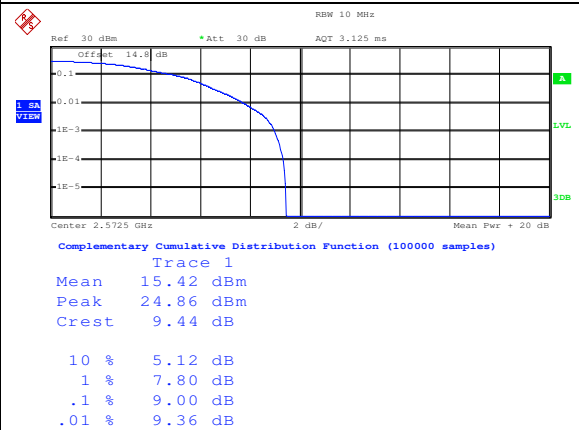
16QAM Low channel-12 RB offset 7

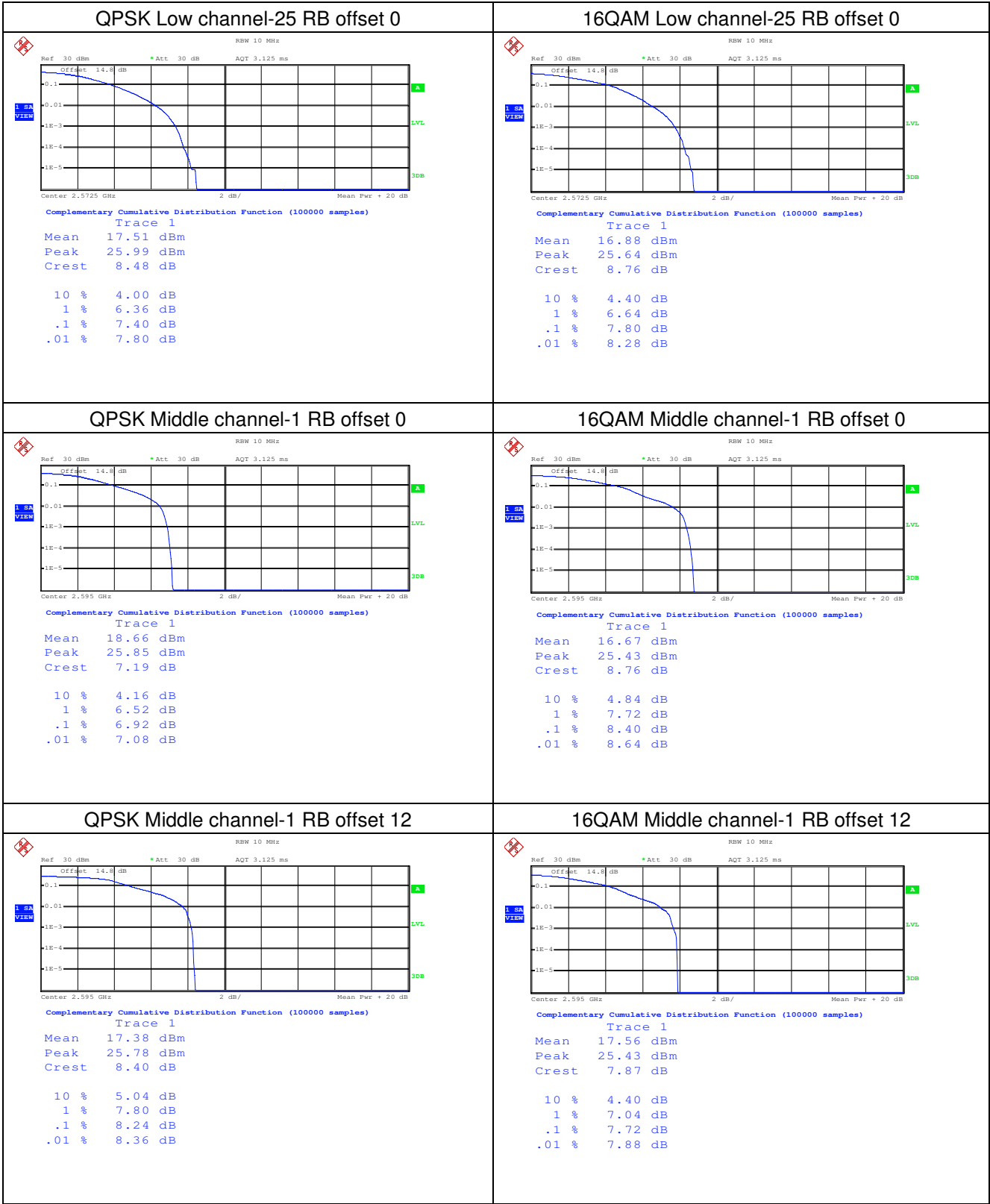


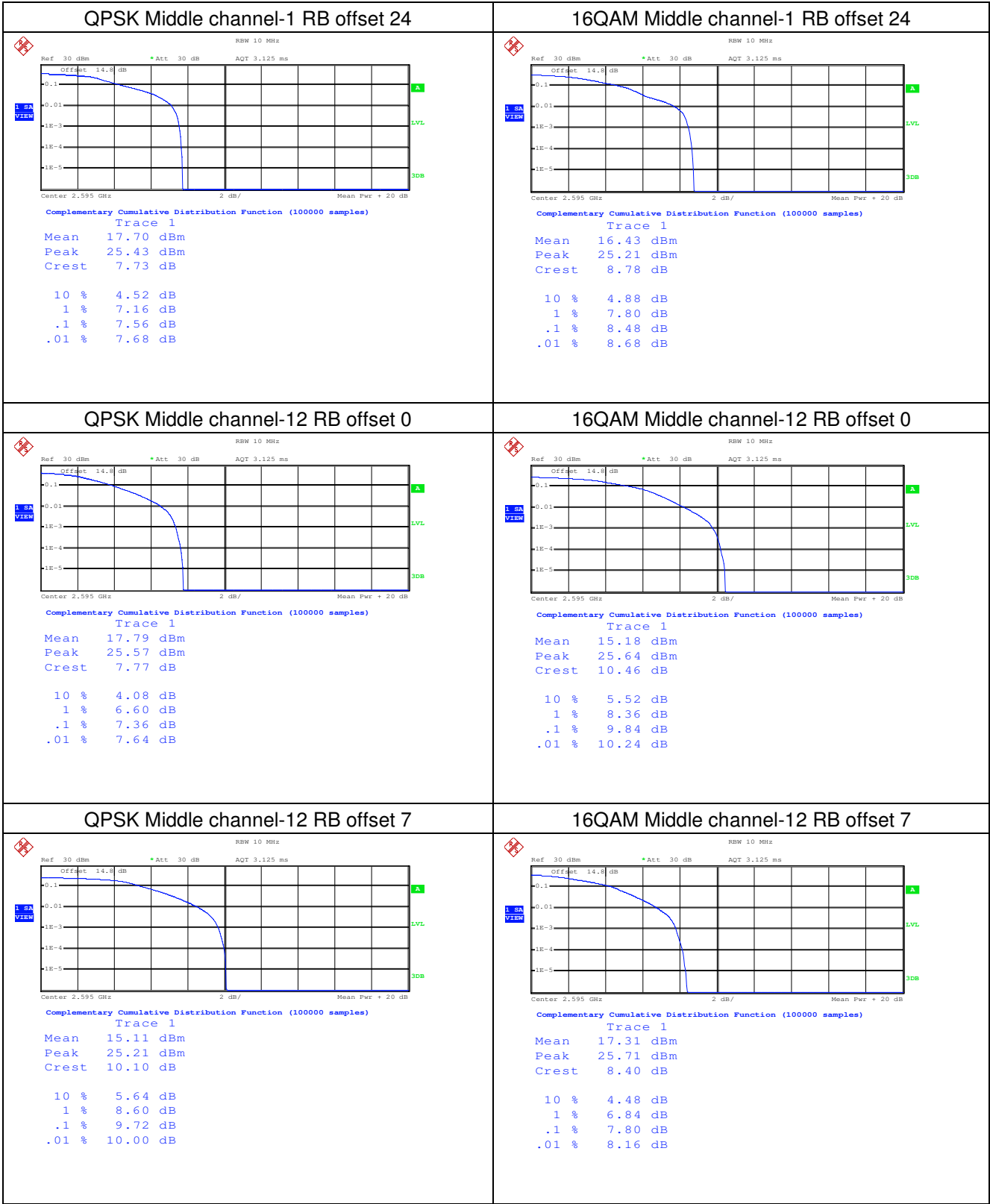
QPSK Low channel-12 RB offset 13



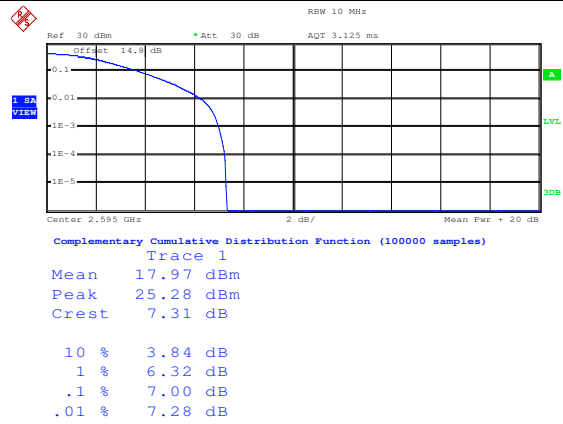
16QAM Low channel-12 RB offset 13



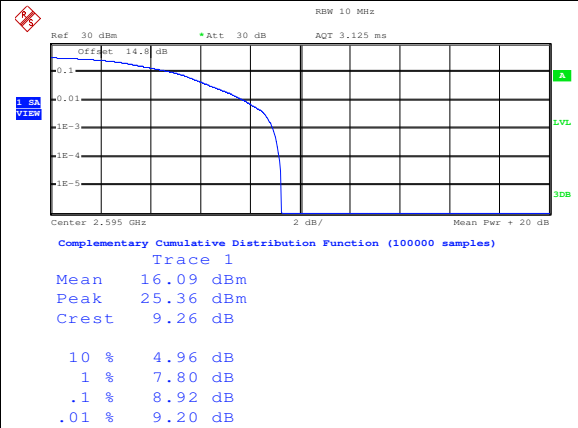




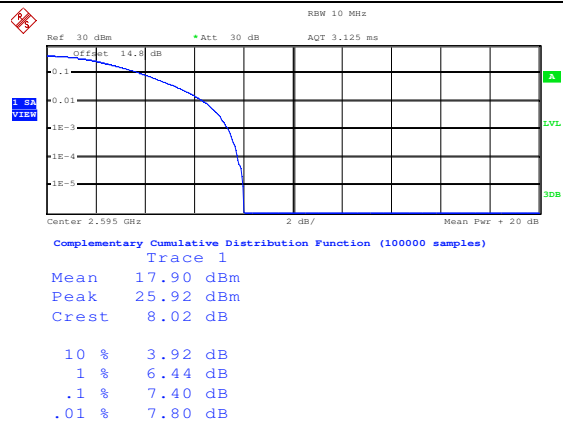
QPSK Middle channel-12 RB offset 13



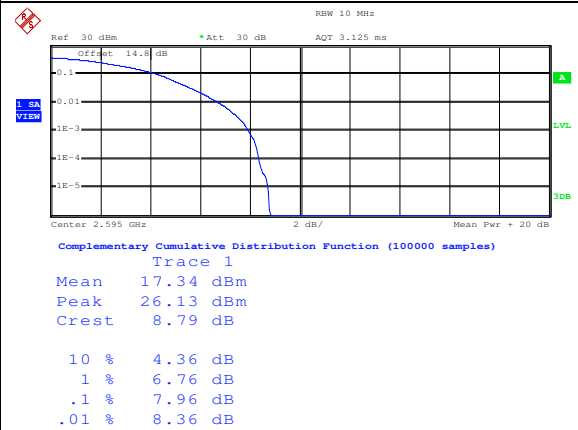
16QAM Middle channel-12 RB offset 13



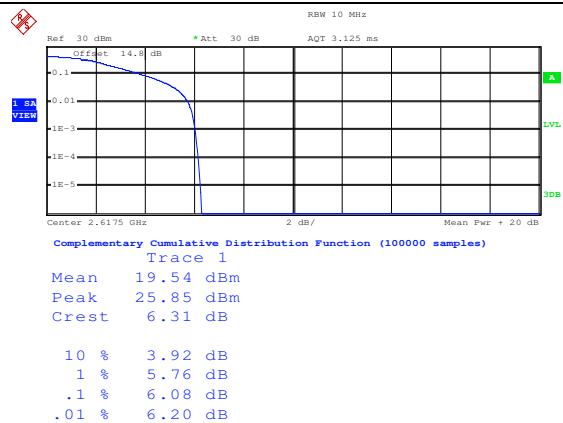
QPSK Middle channel-25 RB offset 0



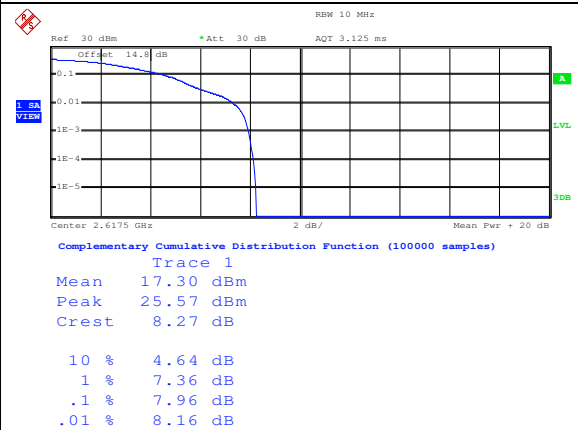
16QAM Middle channel-25 RB offset 0



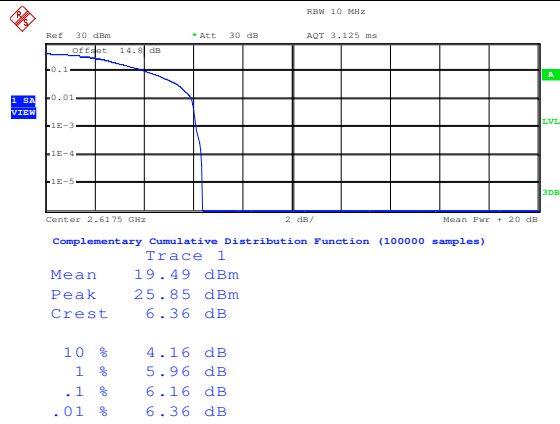
QPSK High channel-1 RB offset 0



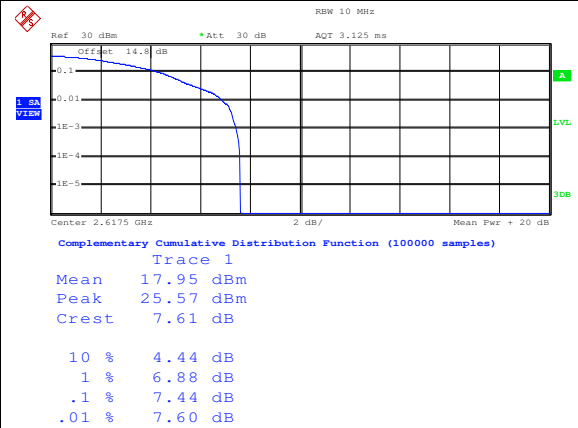
16QAM High channel-1 RB offset 0



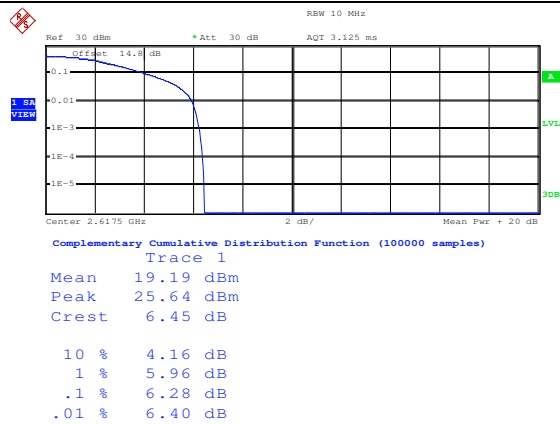
QPSK High channel-1 RB offset 12



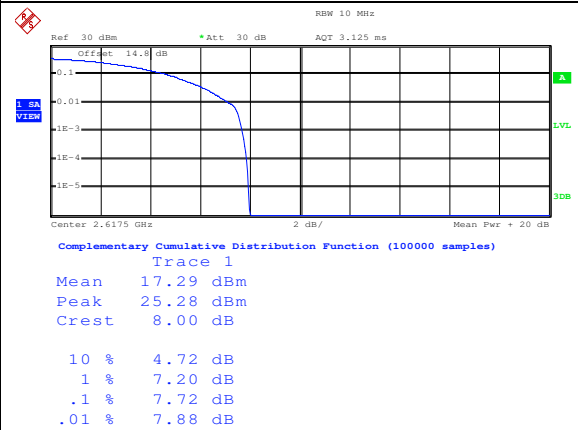
16QAM High channel-1 RB offset 12



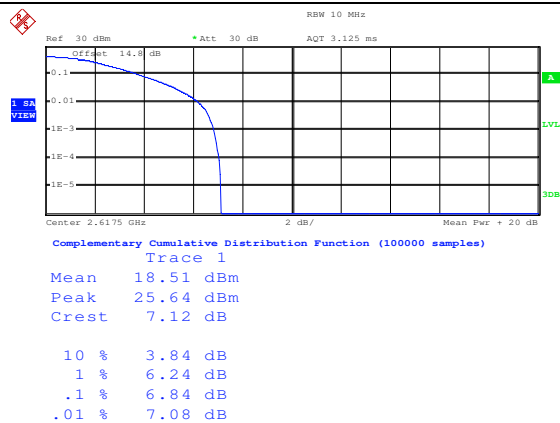
QPSK High channel-1 RB offset 24



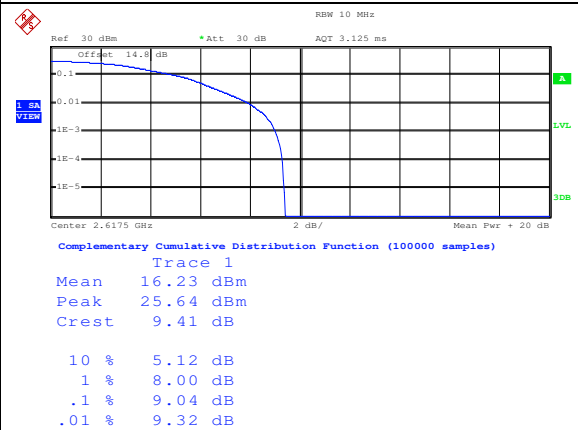
16QAM High channel-1 RB offset 24



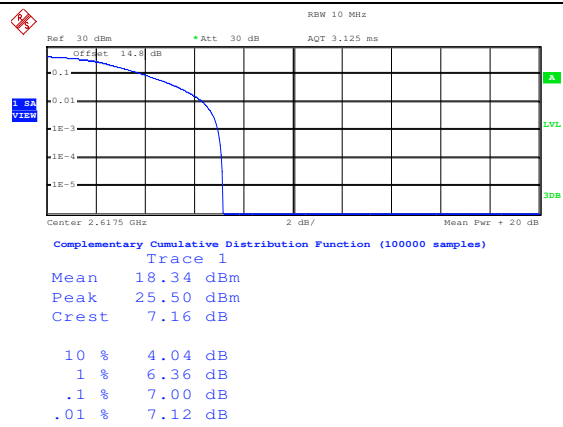
QPSK High channel-12 RB offset 0



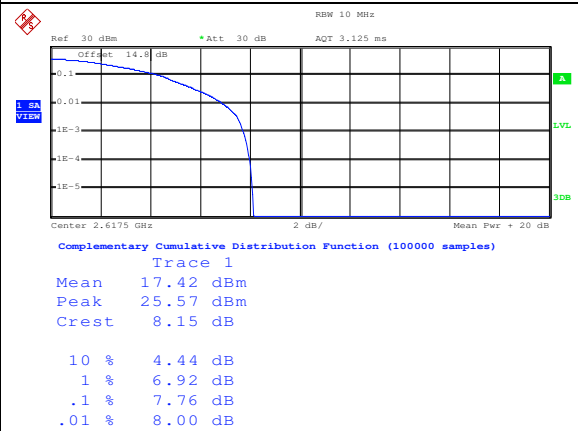
16QAM High channel-12 RB offset 0



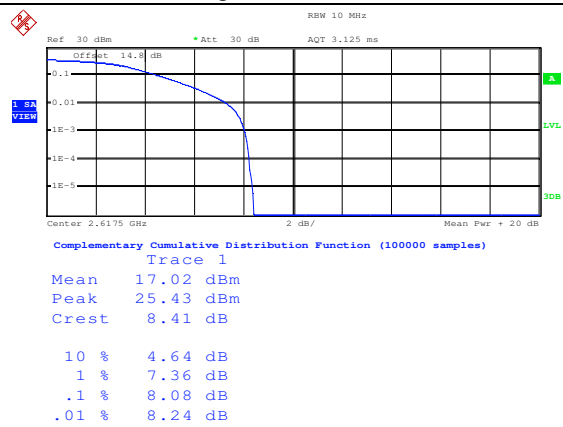
QPSK High channel-12 RB offset 7



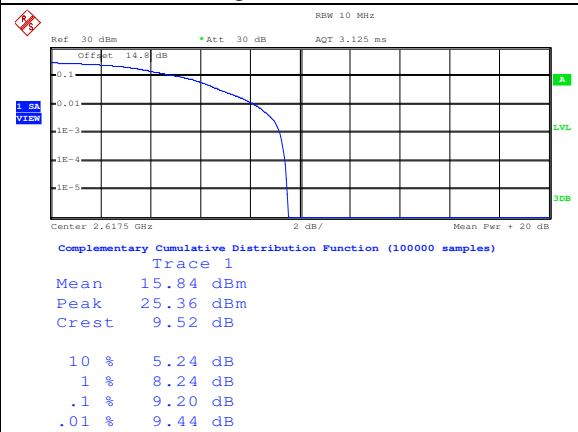
16QAM High channel-12 RB offset 7



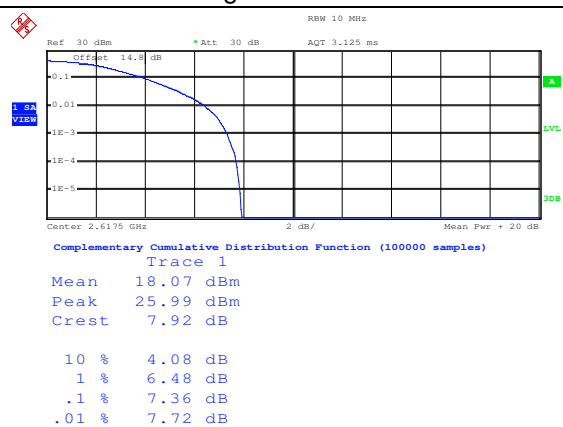
QPSK High channel-12 RB offset 13



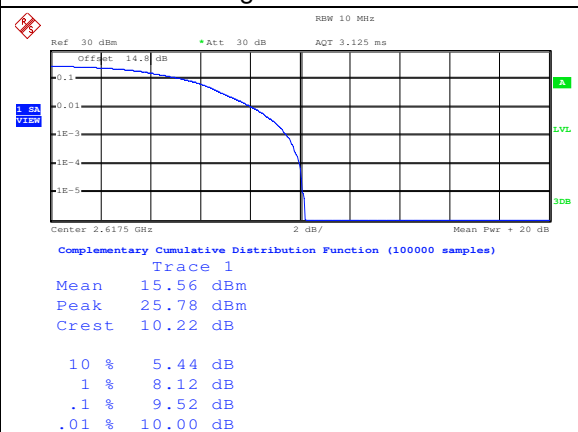
16QAM High channel-12 RB offset 13



QPSK High channel-25 RB offset 0

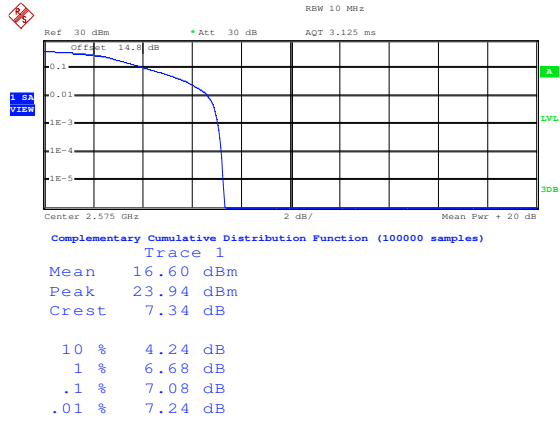


16QAM High channel-25 RB offset 0

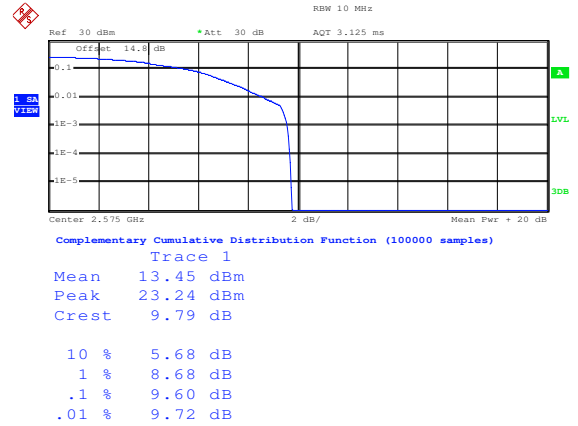


LTE TDD Band 38, Nominal Bandwidth: 10MHz

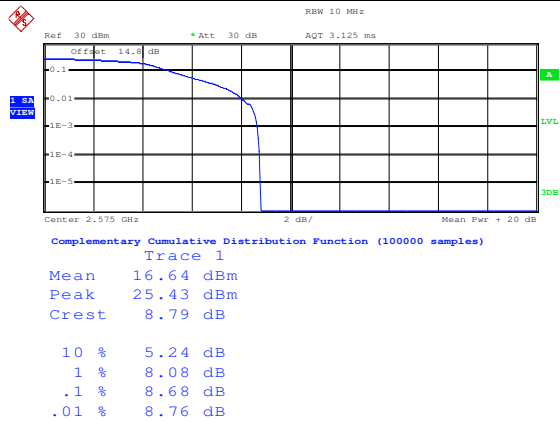
QPSK Low channel-1 RB offset 0



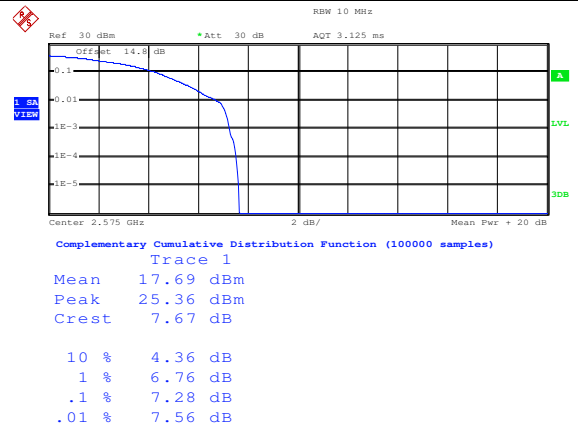
16QAM Low channel-1 RB offset 0



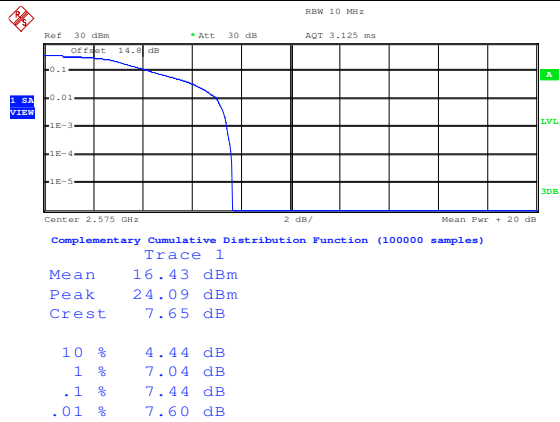
QPSK Low channel-1 RB offset 25



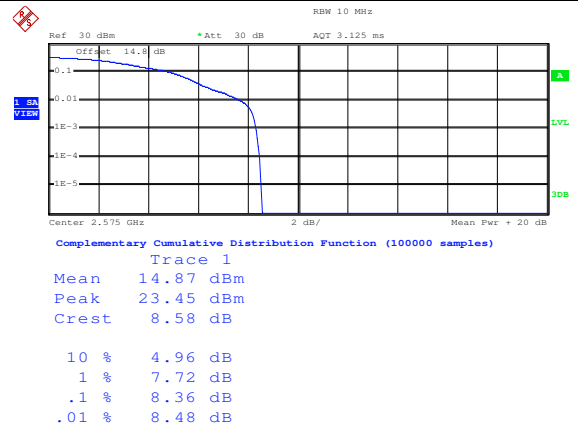
16QAM Low channel-1 RB offset 25

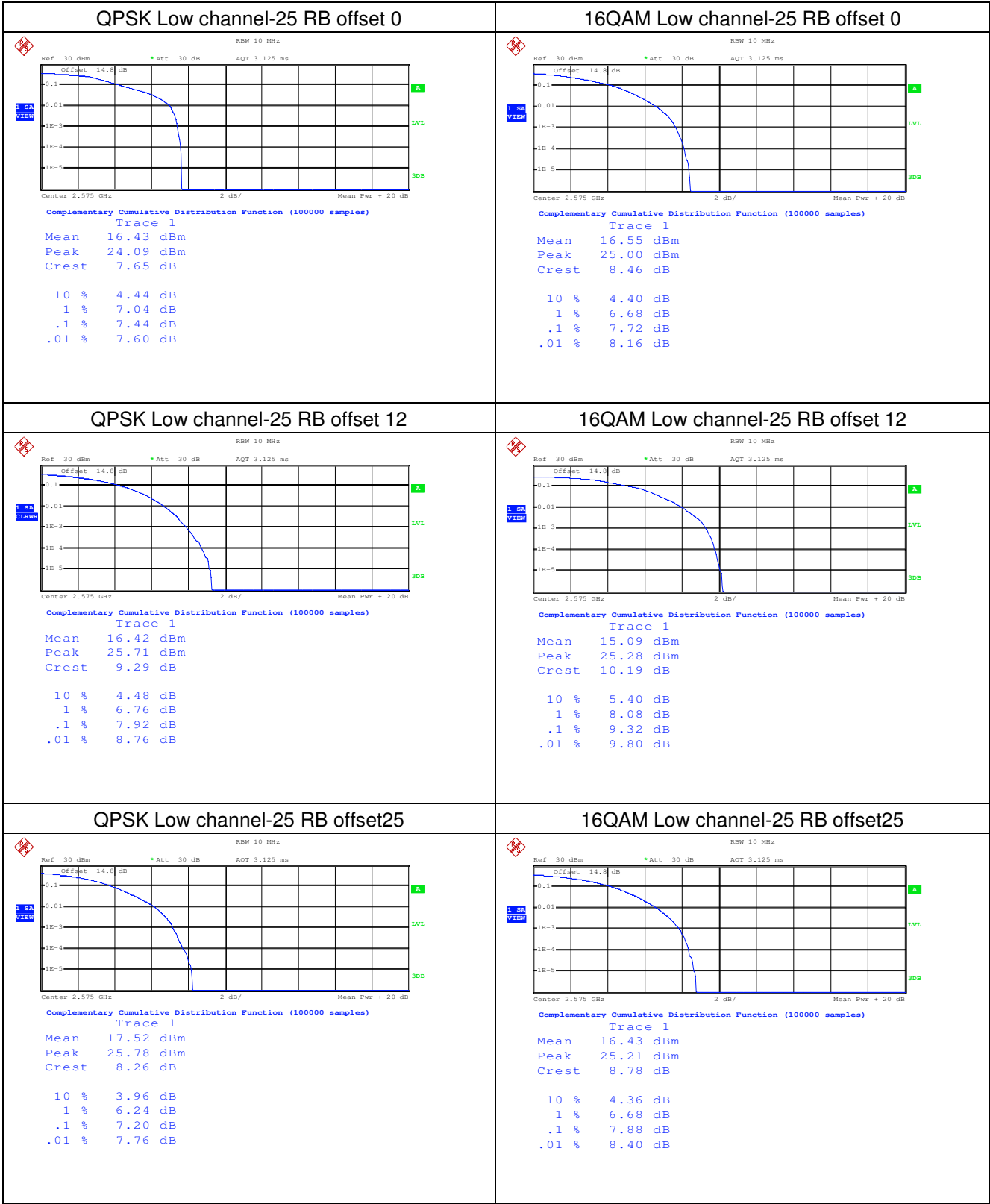


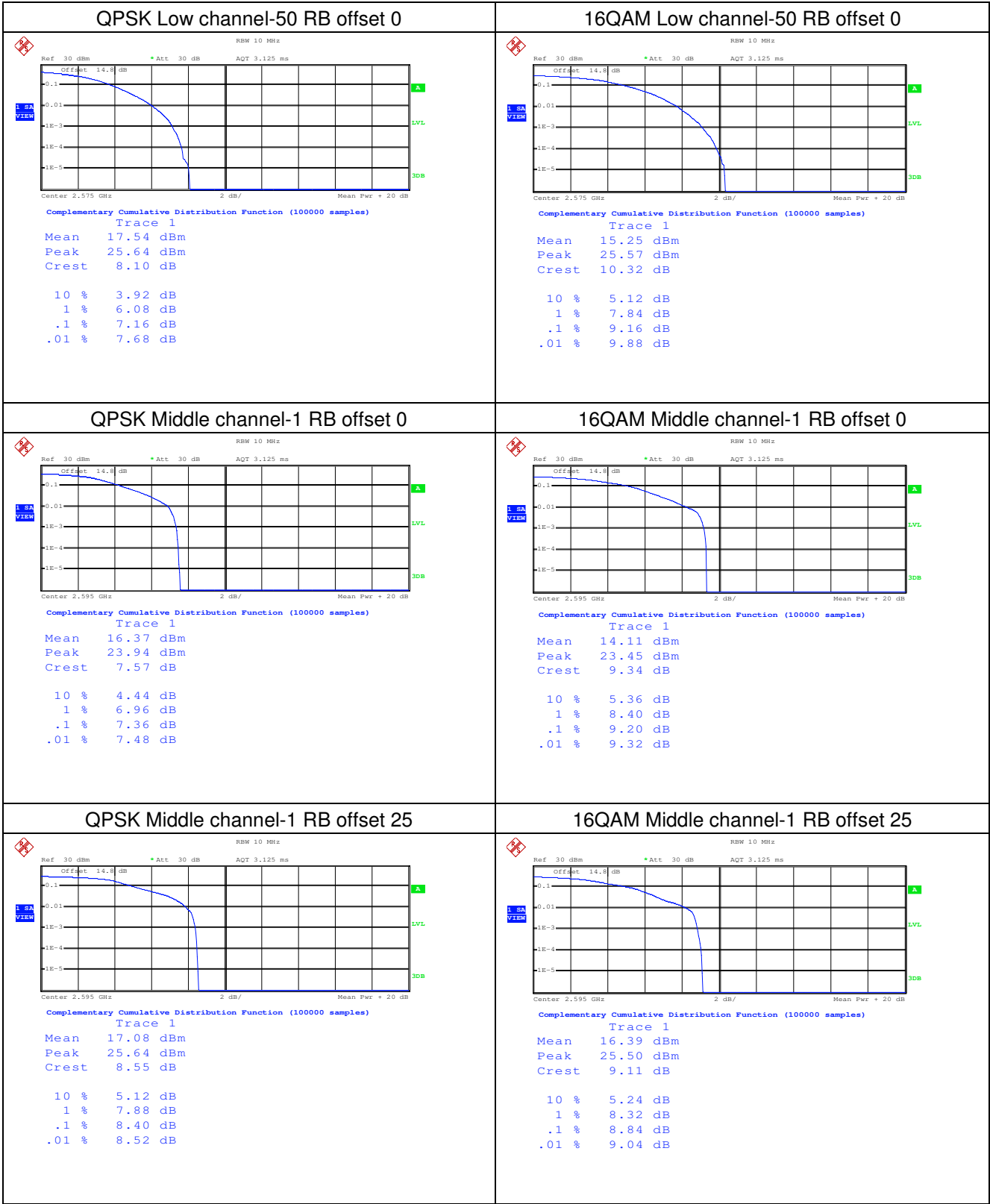
QPSK Low channel-1 RB offset 49

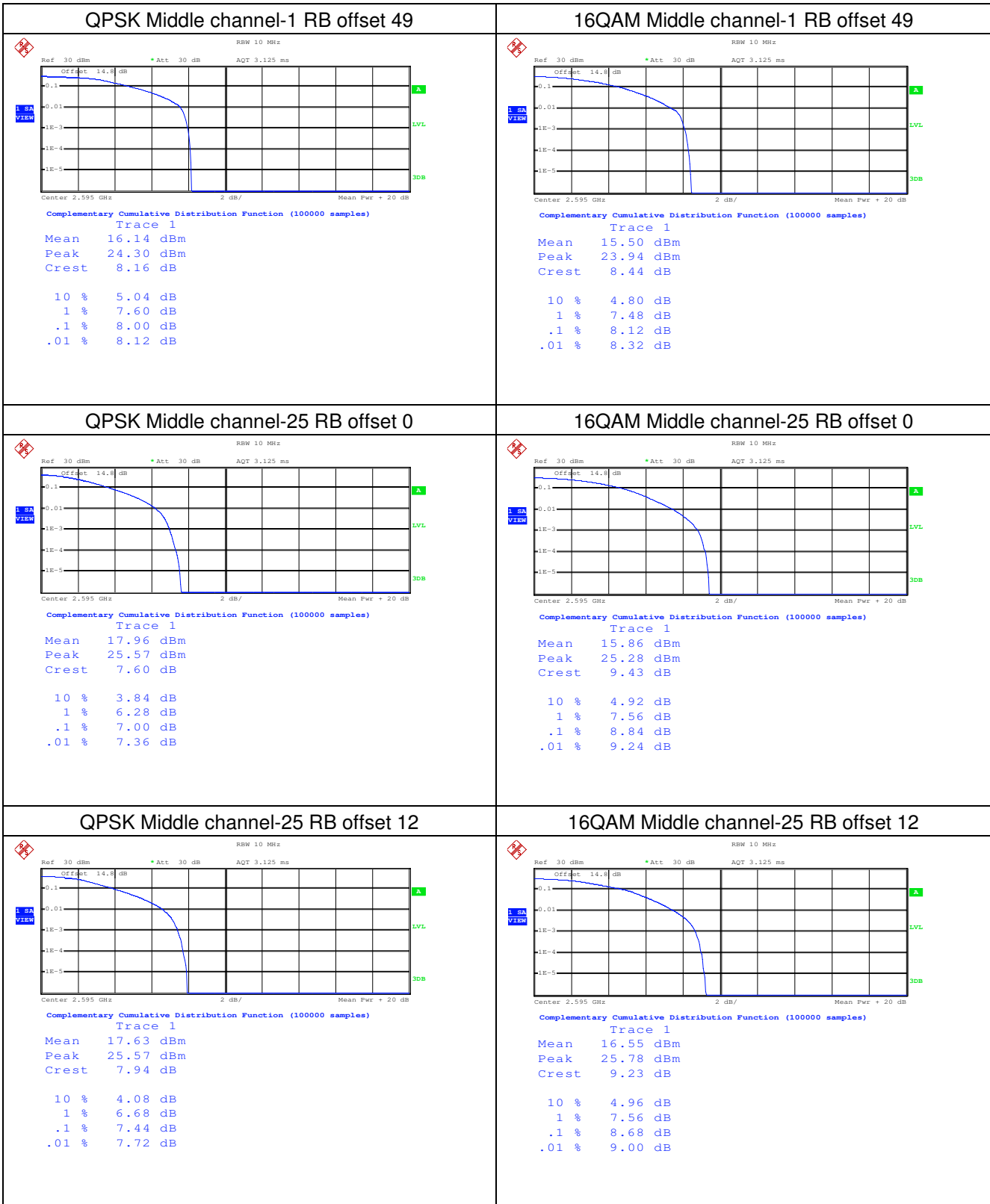


16QAM Low channel-1 RB offset 49

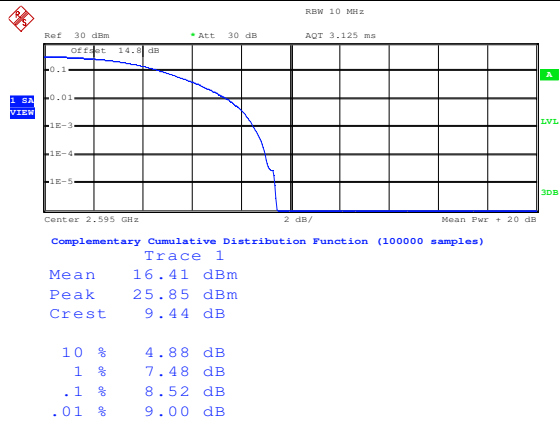




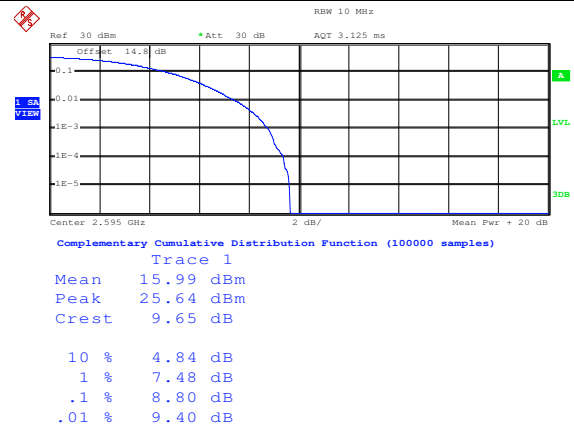




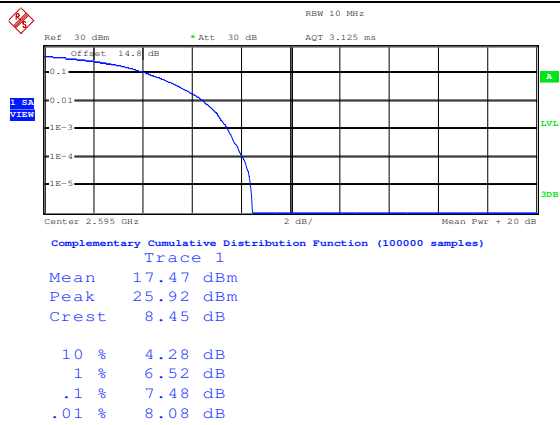
QPSK Middle channel-25 RB offset 25



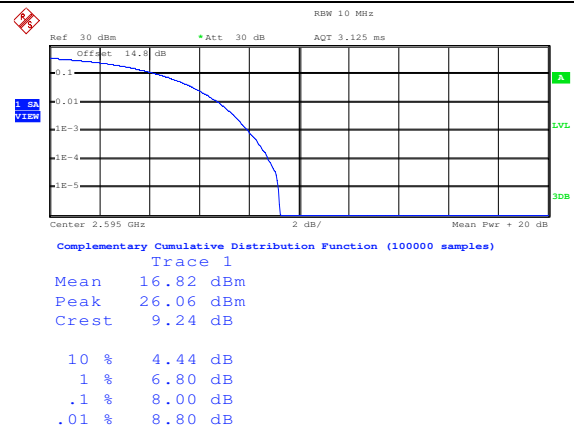
16QAM Middle channel-25 RB offset 25



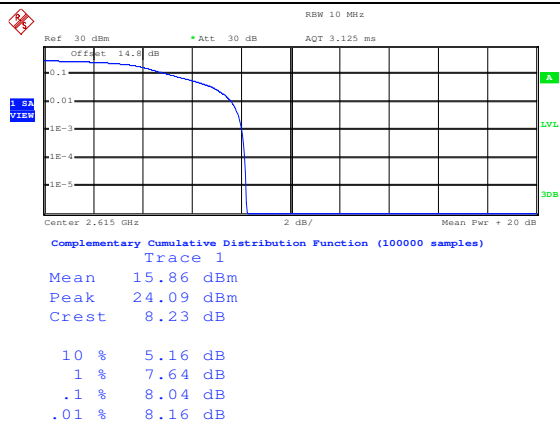
QPSK Middle channel-50 RB offset 0



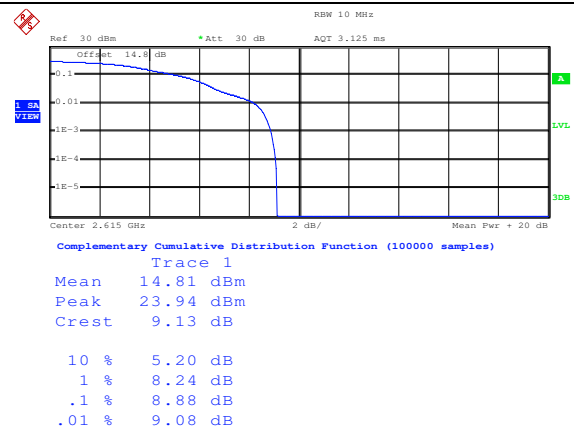
16QAM Middle channel-50 RB offset 0

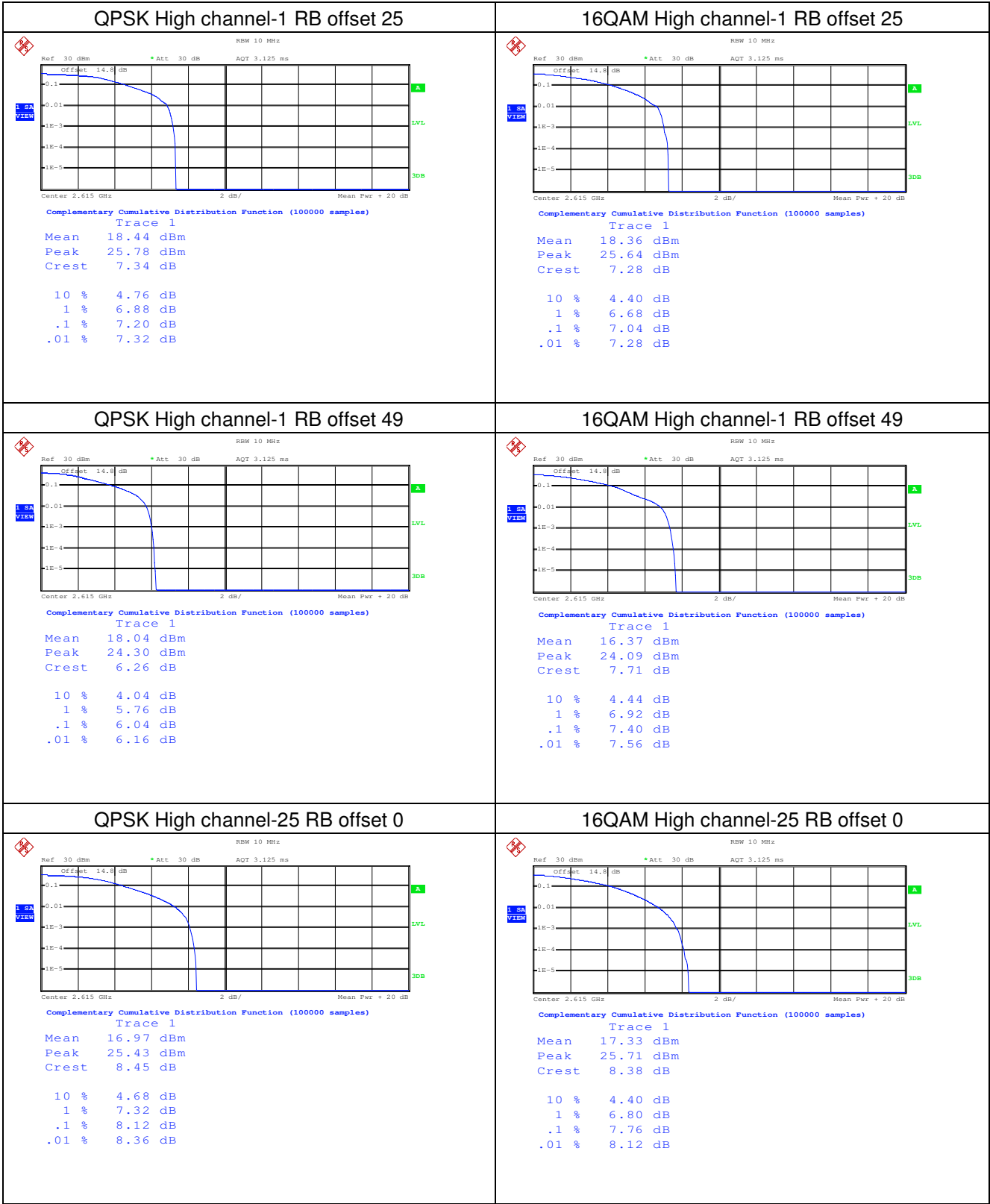


QPSK High channel-1 RB offset 0

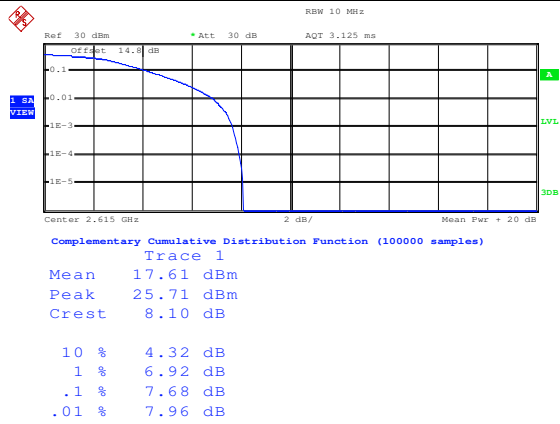


16QAM High channel-1 RB offset 0

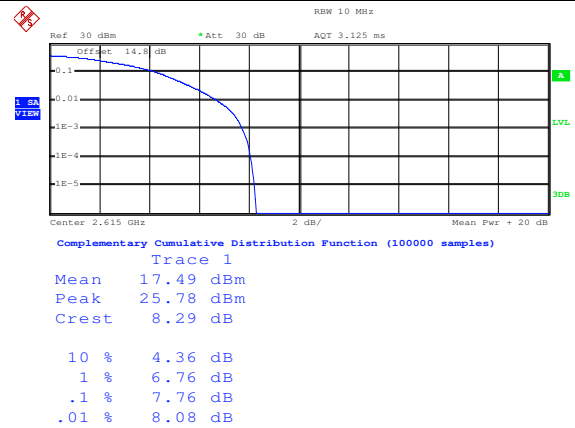




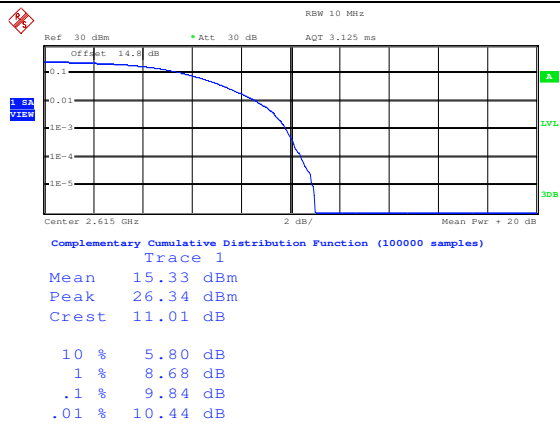
QPSK High channel-25 RB offset 12



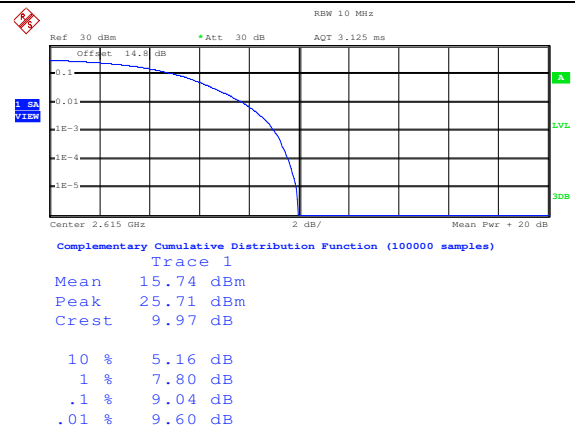
16QAM High channel-25 RB offset 12



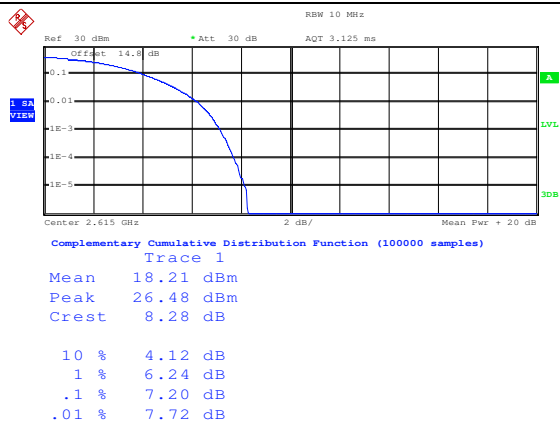
QPSK High channel-25 RB offset 25



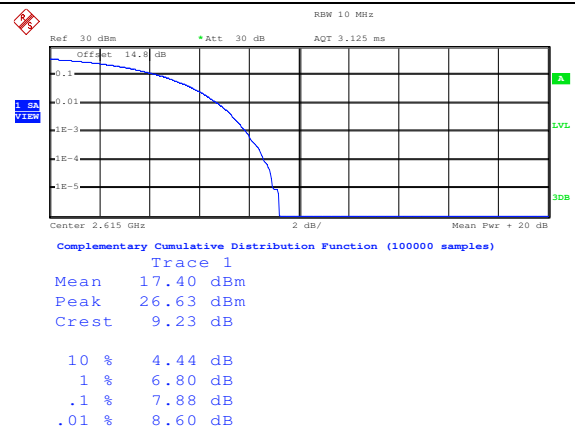
16QAM High channel-25 RB offset 25



QPSK High channel-50 RB offset 0

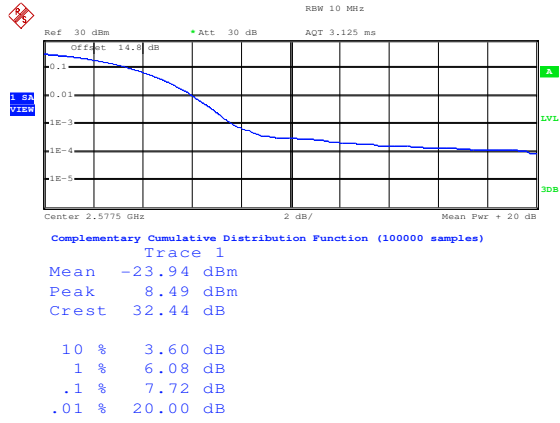


16QAM High channel-50 RB offset 0

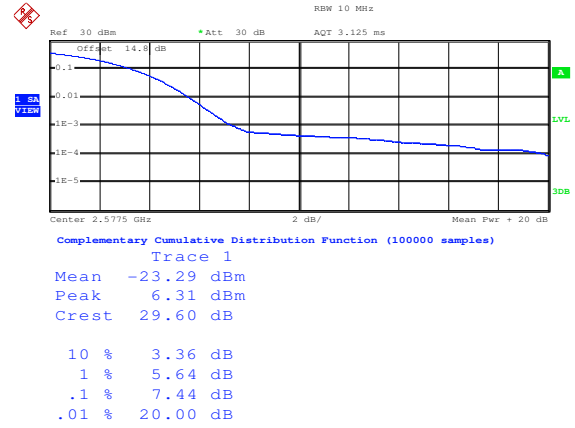


LTE TDD Band 38, Nominal Bandwidth: 15MHz

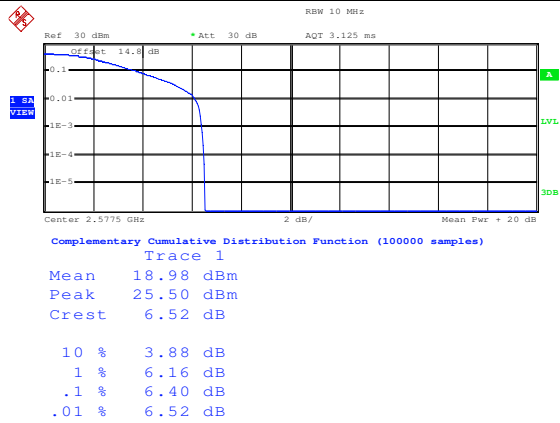
QPSK Low channel-1 RB offset 0



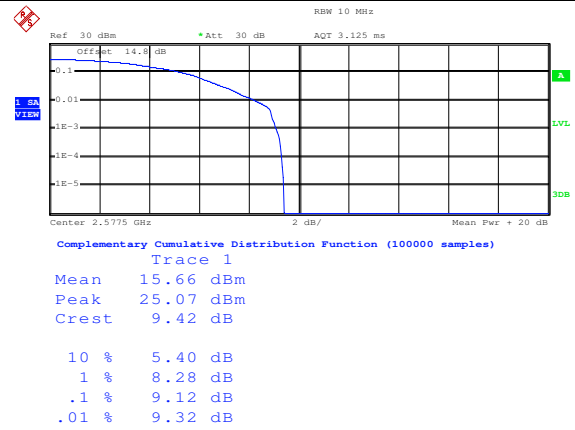
16QAM Low channel-1 RB offset 0



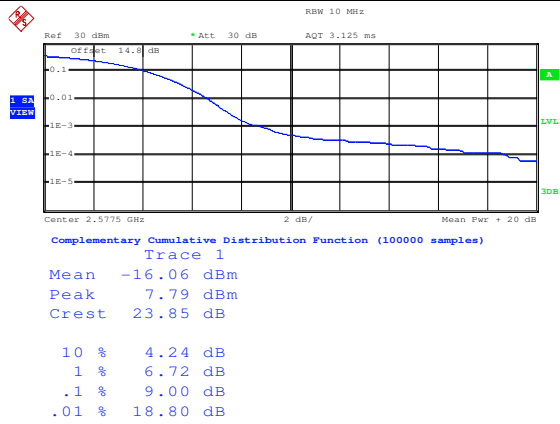
QPSK Low channel-1 RB offset 37



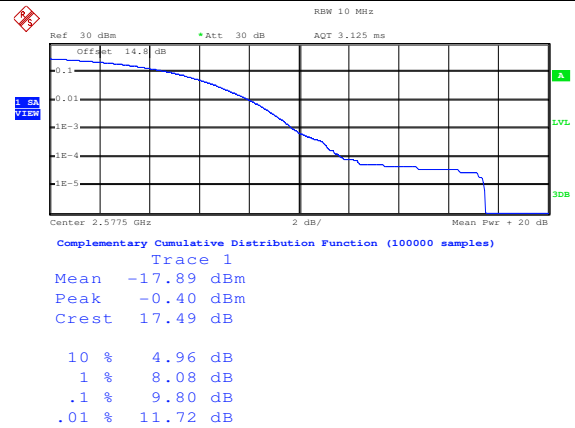
16QAM Low channel-1 RB offset 37

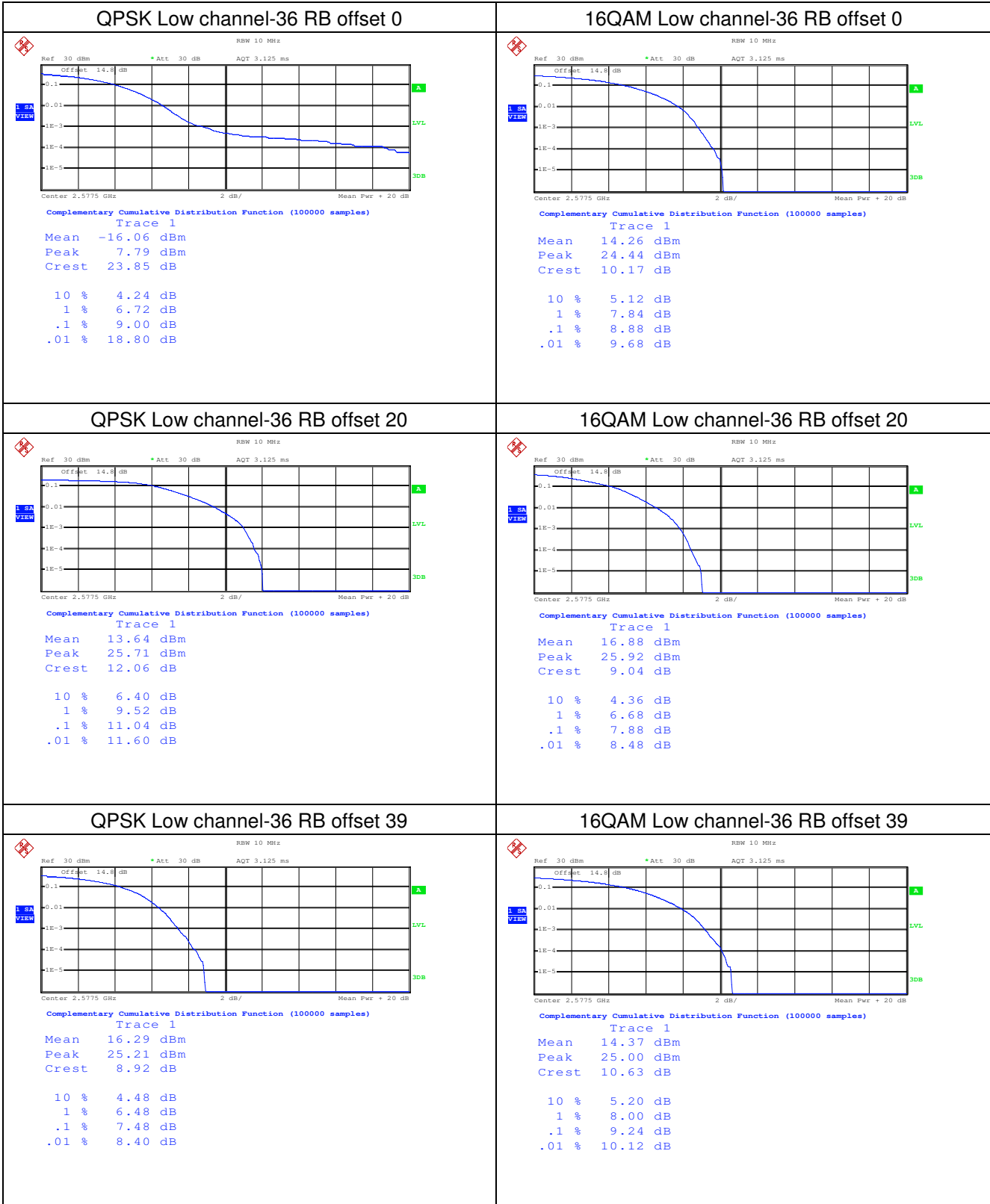


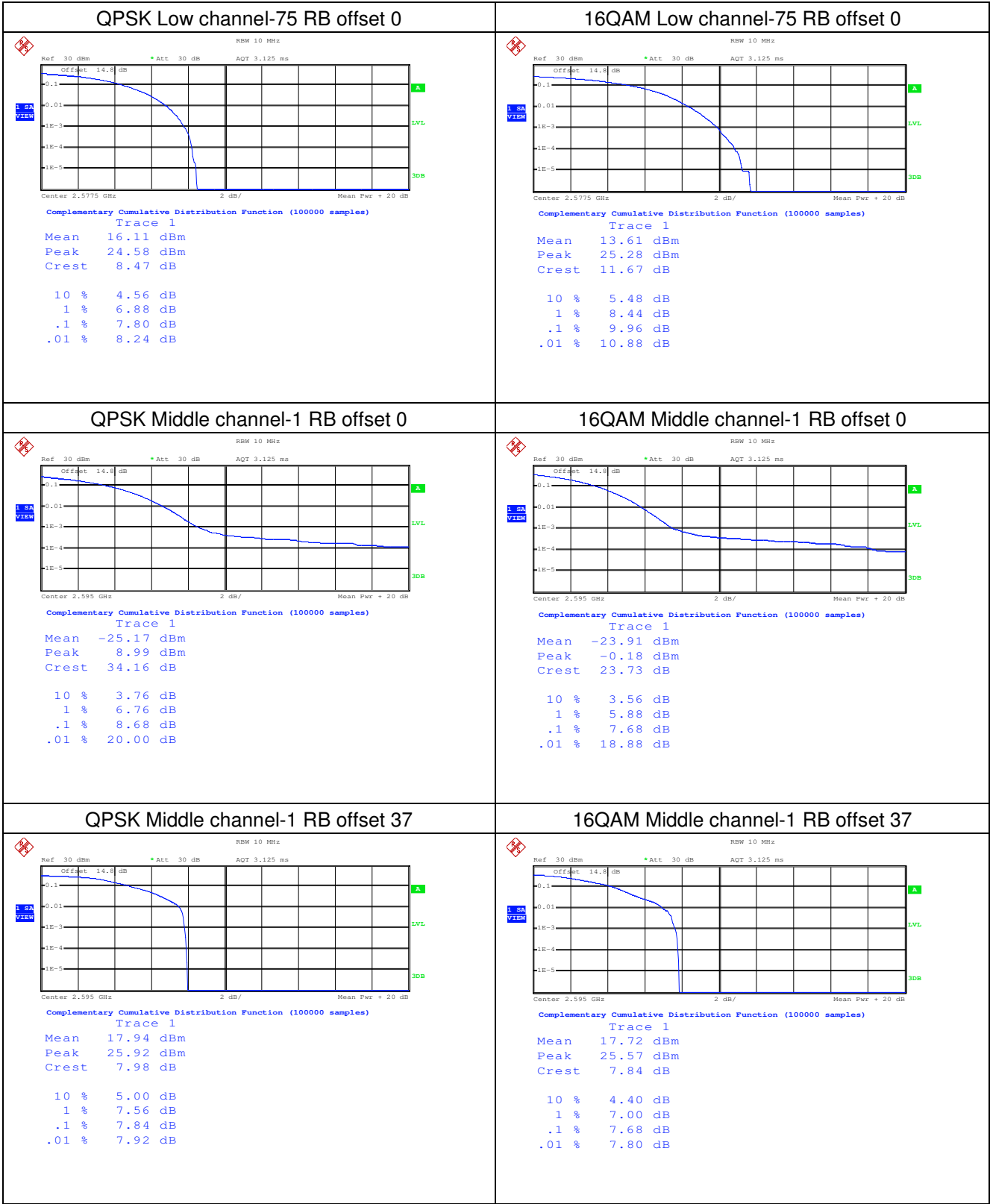
QPSK Low channel-1 RB offset 74



16QAM Low channel-1 RB offset 74







Ref 30 dBm Att 30 dB RBW 10 MHz AQT 3.125 ms

L SA VIEW

A

LVL

30dB

Center 2.595 GHz 2 dB/ Mean Freq + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean -16.17 dBm

Peak 6.31 dBm

Crest 22.48 dB

10 % 4.56 dB

1 % 7.12 dB

.1 % 9.12 dB

.01 % 16.92 dB

Ref 30 dBm *Att 30 dB AQT 3.125 ms

Offset 14.8 dB

Center 2.595 GHz 2 dB/Hz Mean Per + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean -17.70 dBm

Peak -4.06 dBm

Crest 13.64 dB

10 % 4.80 dB

1 % 7.76 dB

.1 % 9.24 dB

.01 % 11.04 dB

RBW 10 MHz

Ref 30 dBm *Att 30 dB AQT 3.125 ms

Offset 14.8 dB

1. SA VIEW

Center 2.595 GHz 2 dB/ Mean Power + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 16.64 dBm

Peak 24.93 dBm

Crest 8.29 dB

10 % 4.48 dB

1 % 6.16 dB

.1 % 7.08 dB

.01 % 7.80 dB

Ref 30 dBm *Att 30 dB AQT 3.125 ms

Offset 14.9 dB

0.1 dBm

0.01 dBm

1E-3 dBm

1E-4 dBm

1E-5 dBm

Center 2.595 GHz 2 dB/ Mean Freq + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Level	Power (dBm)
Mean	14.49
Peak	24.72
Crest	10.23

10 % 5.12 dBm

1 % 7.88 dBm

.1 % 8.96 dBm

.01 % 9.72 dBm

Ref 30 dBm Avt 30 dB AQT 3.125 ms

Offset 14.8 dB

0.1
0.01
1E-3
1E-4
1E-5

Center 2.595 GHz 2 dB/ Mean Fwr + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean 18.07 dBm

Peak 26.13 dBm

Crest 8.06 dB

10 % 3.76 dB

1 % 6.24 dB

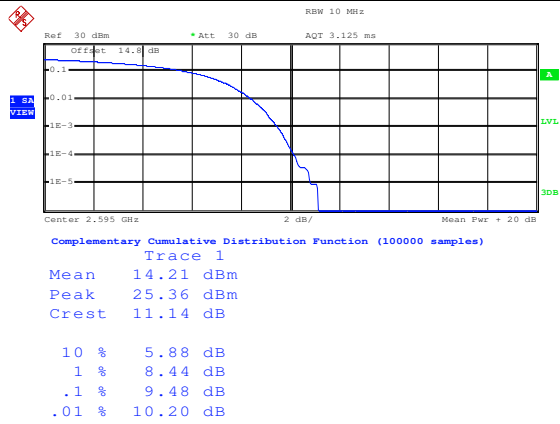
.1 % 7.24 dB

.01 % 7.64 dB

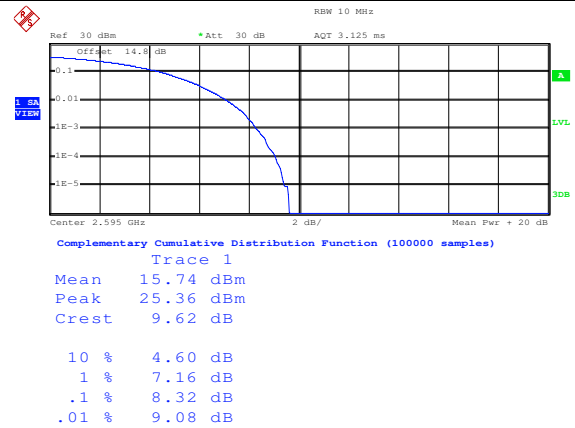
The screenshot shows a spectrum analyzer interface. At the top, there are three status indicators: a red 'OFF' button, a green 'Att' button, and a blue 'AOT' button. Below these, the frequency is set to 2.595 GHz, the resolution bandwidth (RBW) is 10 MHz, and the video bandwidth (VBW) is 3.125 MHz. The main display area shows a blue trace on a grid. The trace starts at a level of 14.0 dB and drops sharply to the noise floor at approximately 2.595 GHz. The noise floor is marked as -1E-5. The trace is labeled 'L SA VIEW' on the left and 'A' on the right. The bottom of the screen shows the 'Complementary Cumulative Distribution Function (100000 samples)' and the 'Trace 1' statistics.

Trace 1
Mean 17.08 dBm
Peak 26.34 dBm
Crest 9.26 dB
10 % 4.40 dB
1 % 6.80 dB
.1 % 8.08 dB
.01 % 8.68 dB

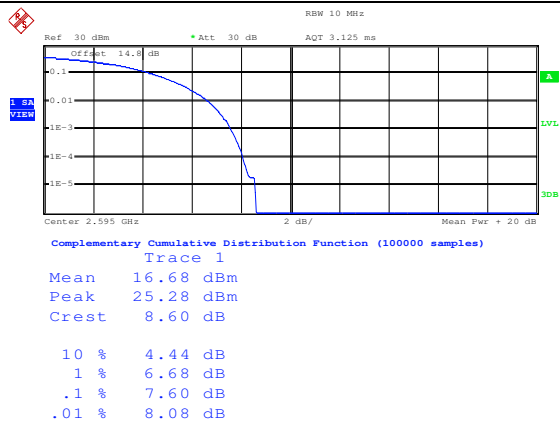
QPSK Middle channel-36 RB offset 39



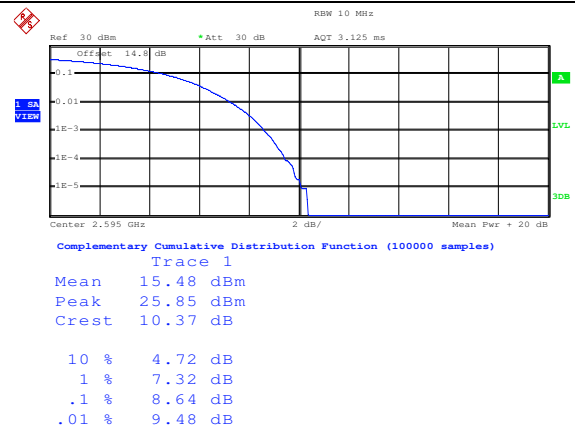
16QAM Middle channel-36 RB offset 39



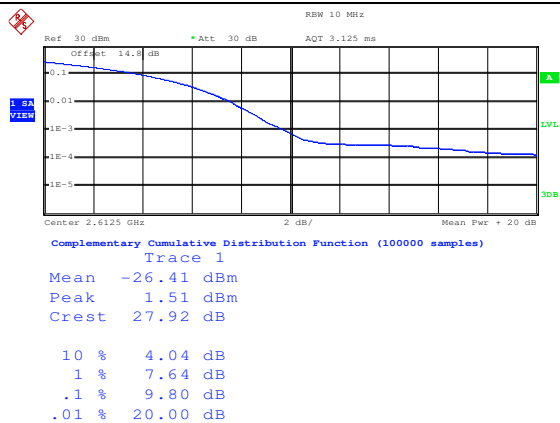
QPSK Middle channel-75 RB offset 0



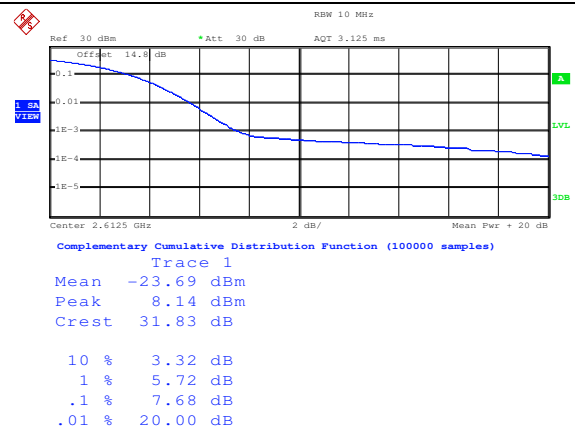
16QAM Middle channel-75 RB offset 0



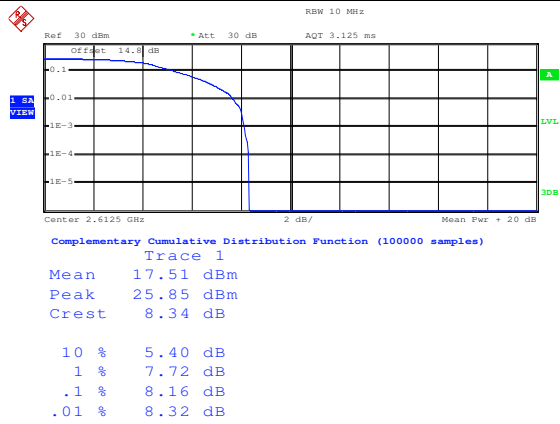
QPSK High channel-1 RB offset 0



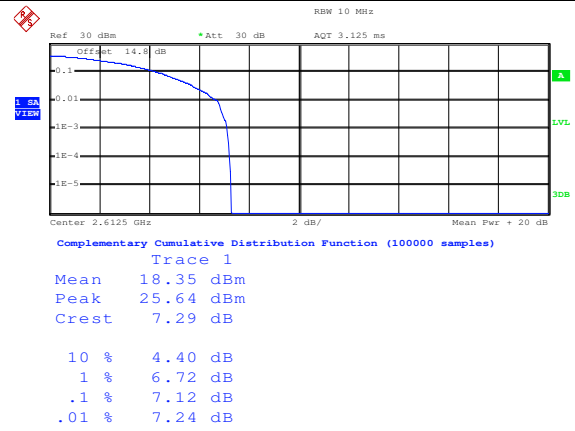
16QAM High channel-1 RB offset 0



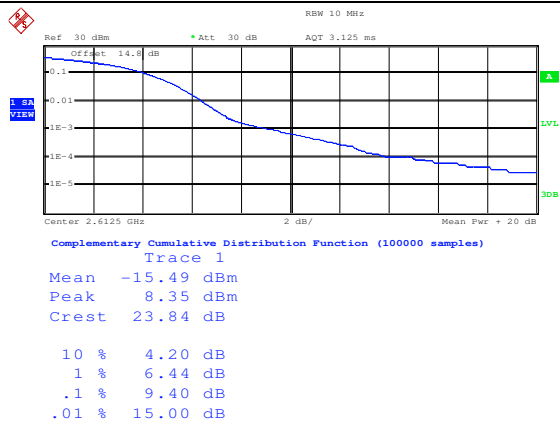
QPSK High channel-1 RB offset 37



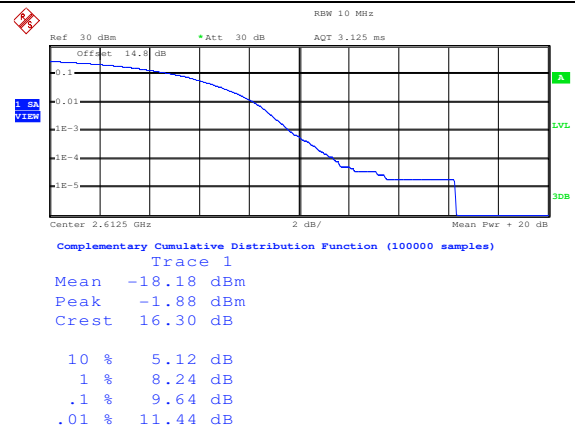
16QAM High channel-1 RB offset 37



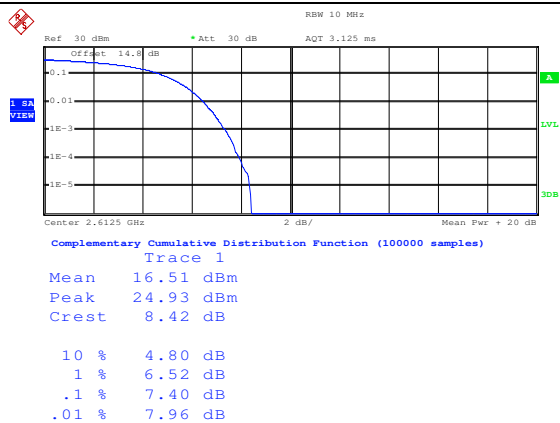
QPSK High channel-1 RB offset 74



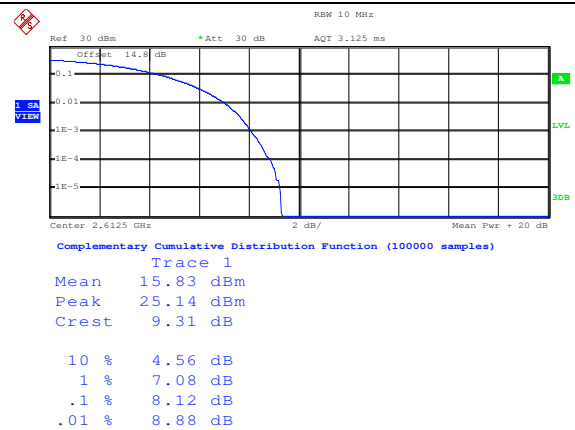
16QAM High channel-1 RB offset 74



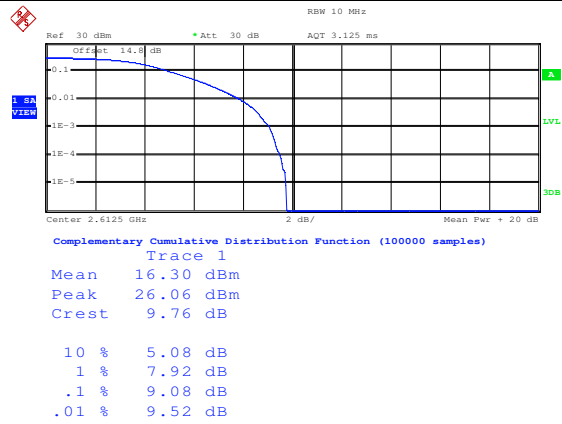
QPSK High channel-36 RB offset 0



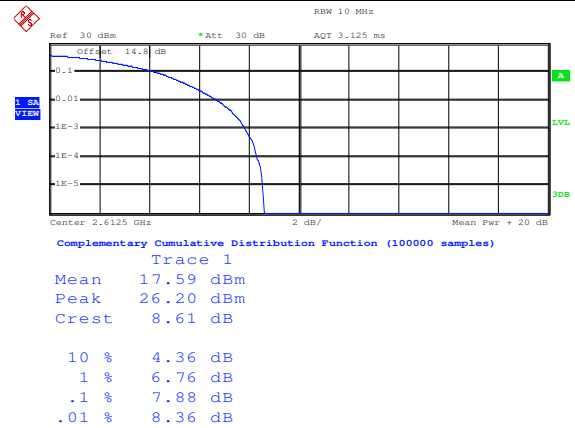
16QAM High channel-36 RB offset 0



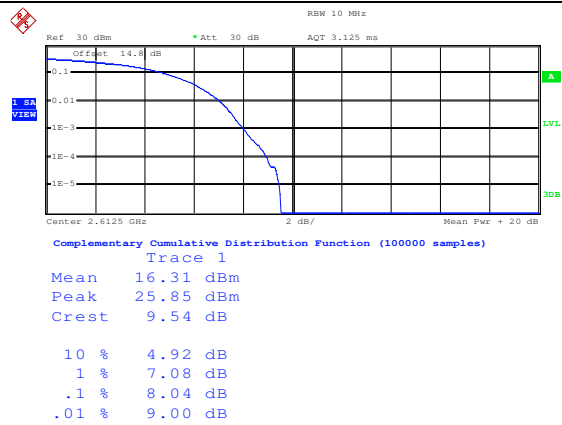
QPSK High channel-36 RB offset 20



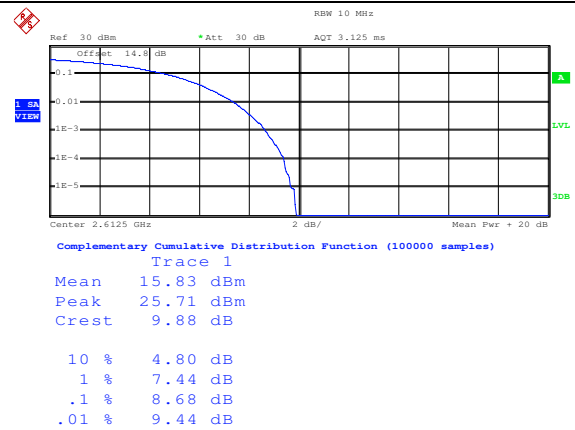
16QAM High channel-36 RB offset 20



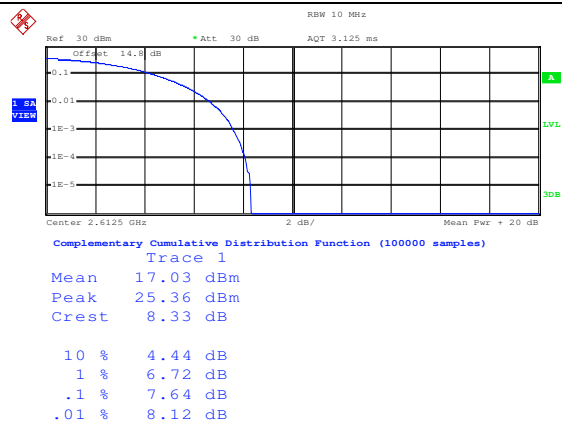
QPSK High channel-36 RB offset 39



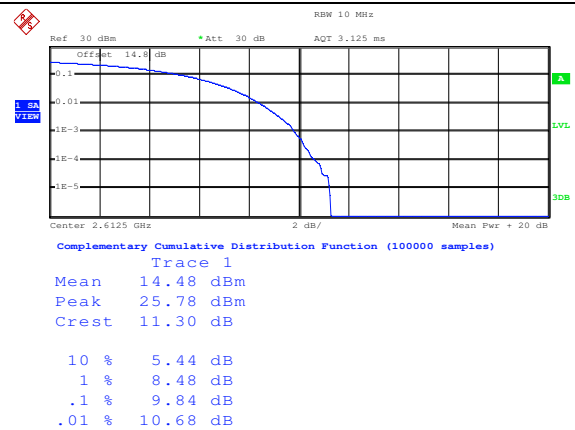
16QAM High channel-36 RB offset 39



QPSK High channel-75 RB offset 0

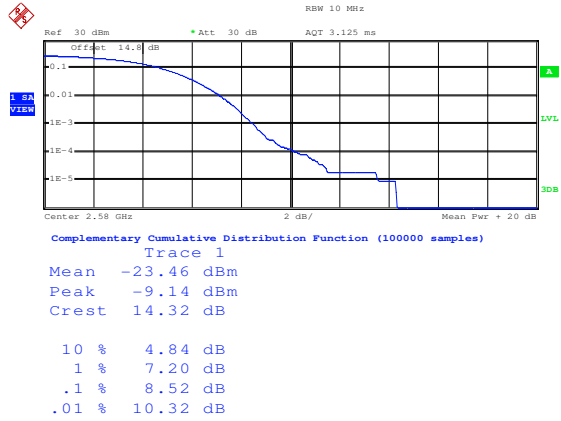


16QAM High channel-75 RB offset 0

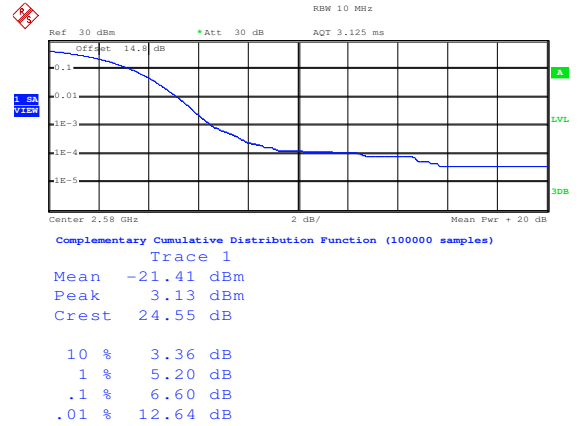


LTE TDD Band 38, Nominal Bandwidth: 20MHz

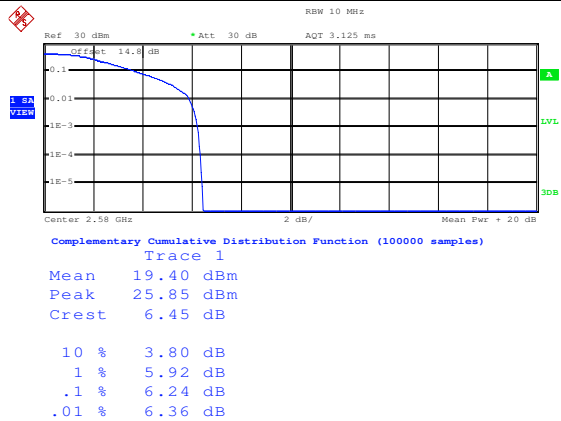
QPSK Low channel-1 RB offset 0



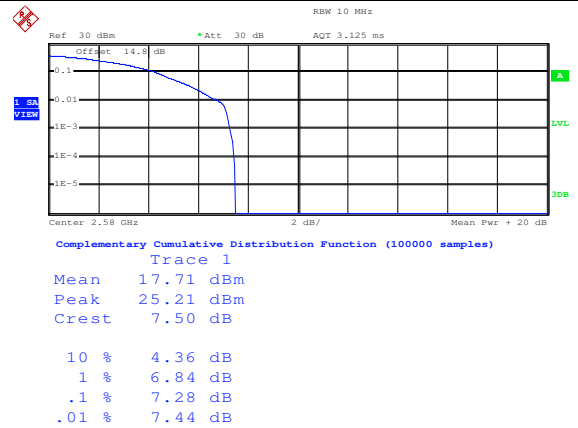
16QAM Low channel-1 RB offset 0



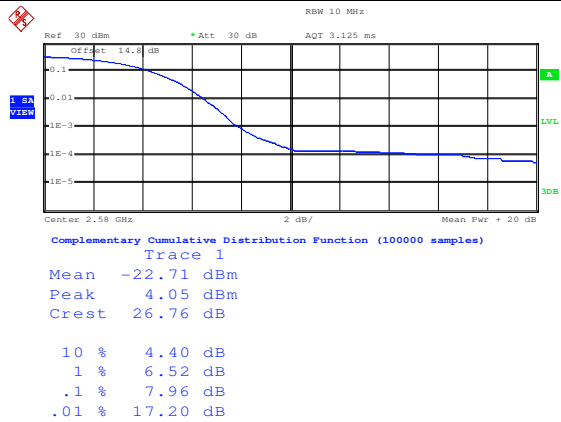
QPSK Low channel-1 RB offset 50



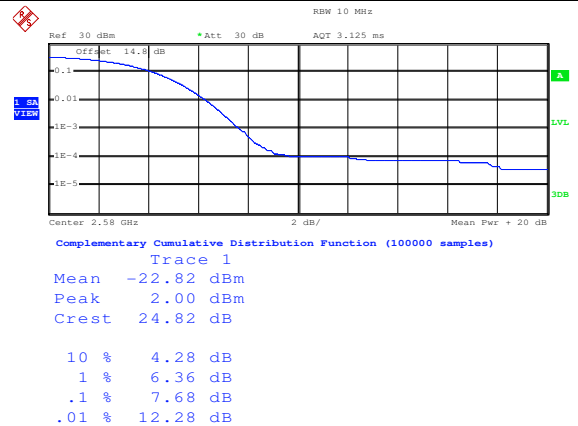
16QAM Low channel-1 RB offset 50

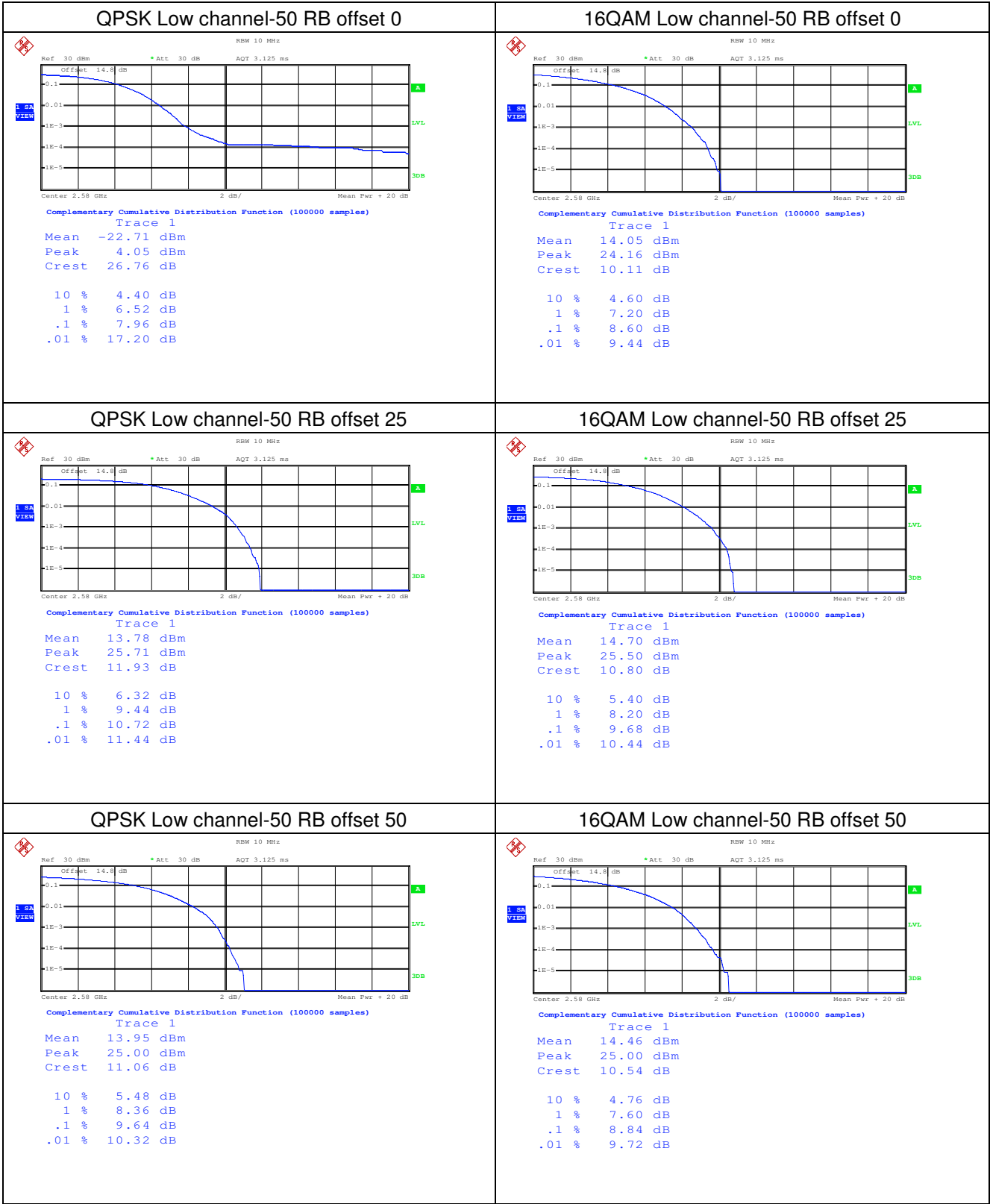


QPSK Low channel-1 RB offset 99

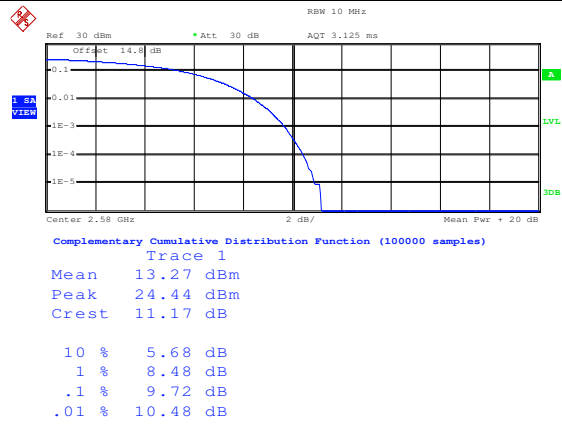


16QAM Low channel-1 RB offset 99

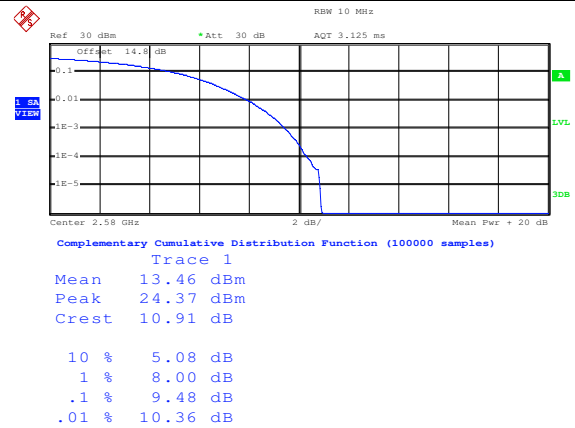




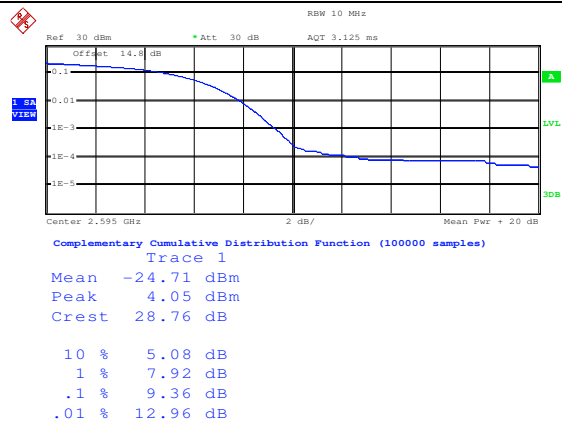
QPSK Low channel-100 RB offset 0



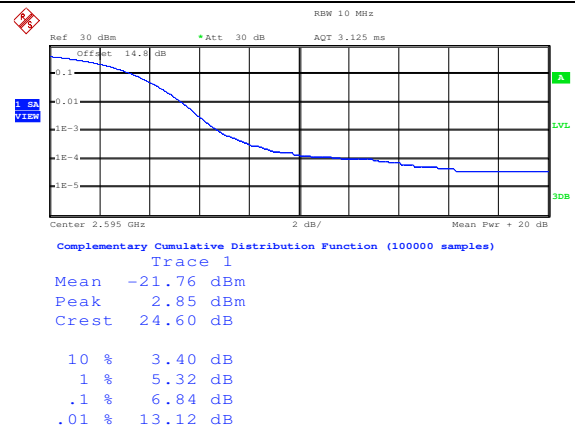
16QAM Low channel-100 RB offset 0



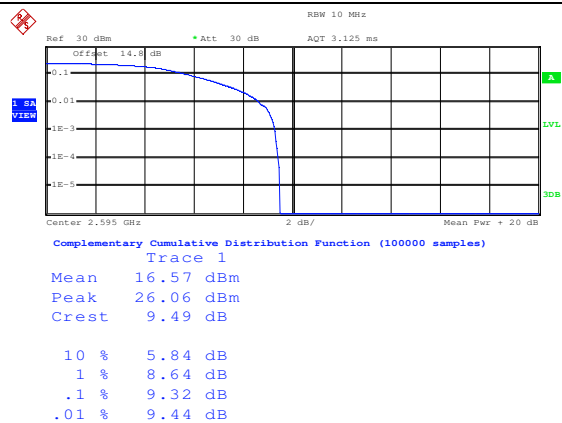
QPSK Middle channel-1 RB offset 0



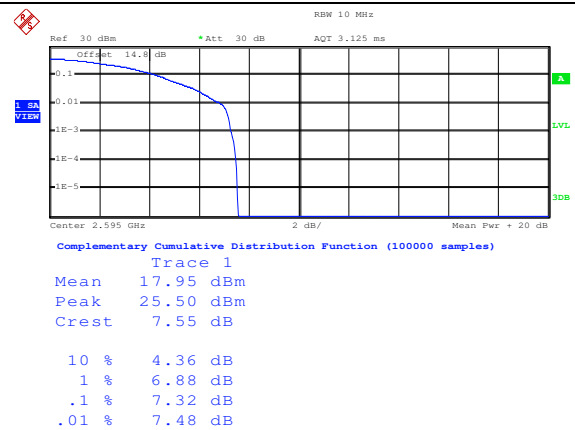
16QAM Middle channel-1 RB offset 0

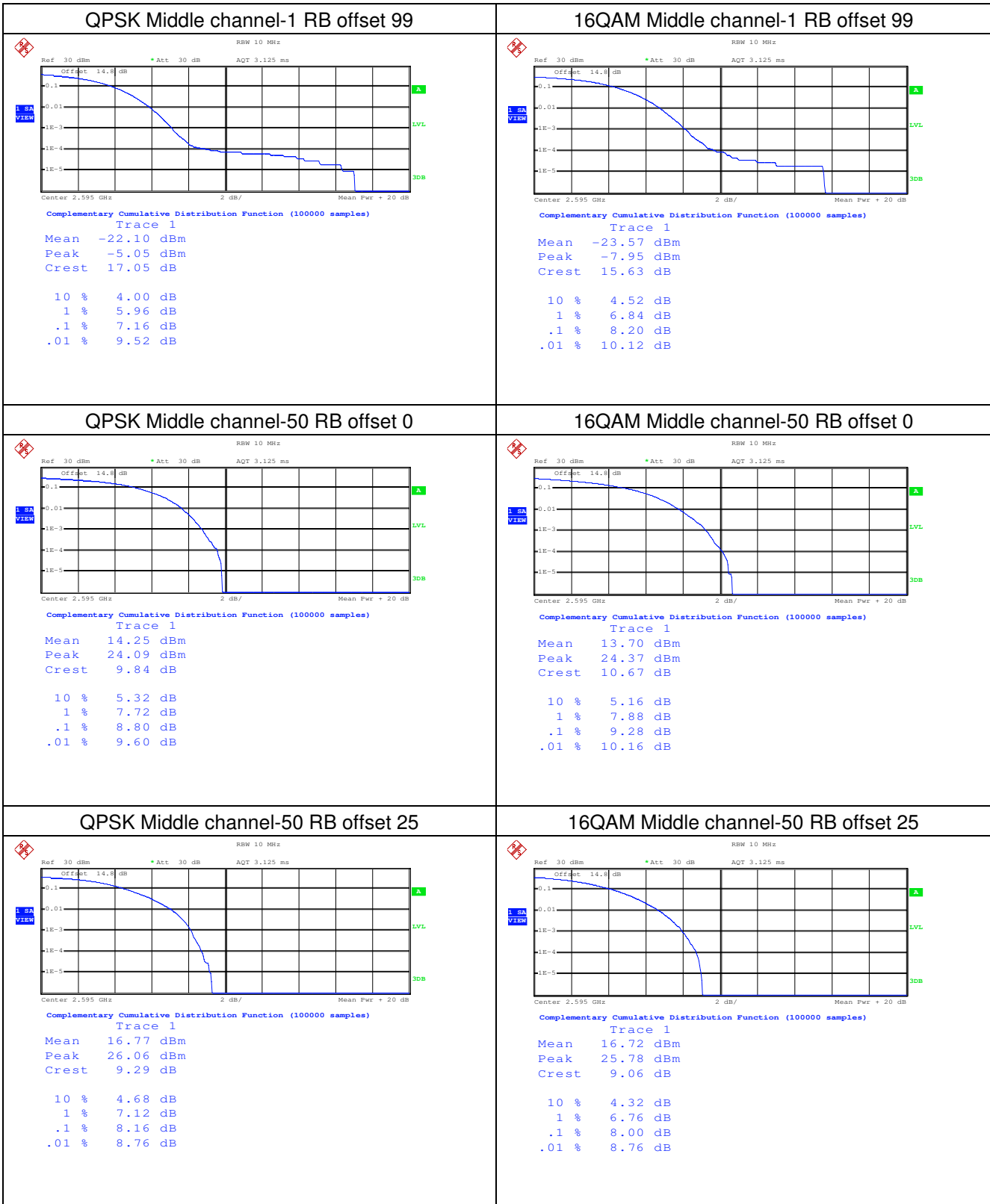


QPSK Middle channel-1 RB offset 50

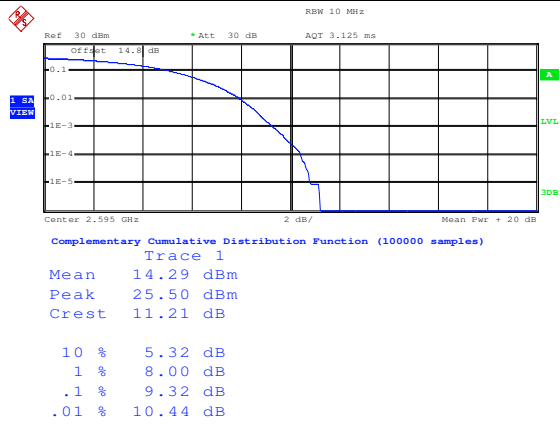


16QAM Middle channel-1 RB offset 50

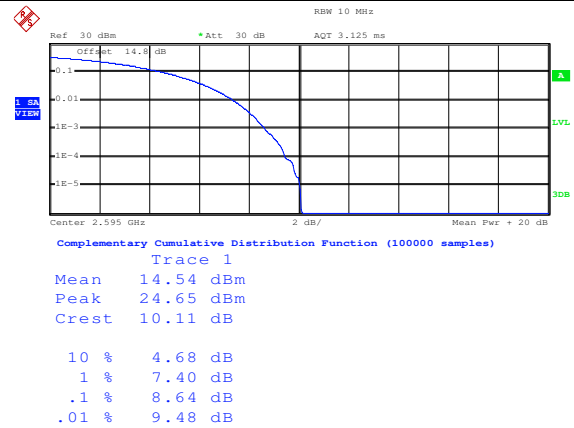




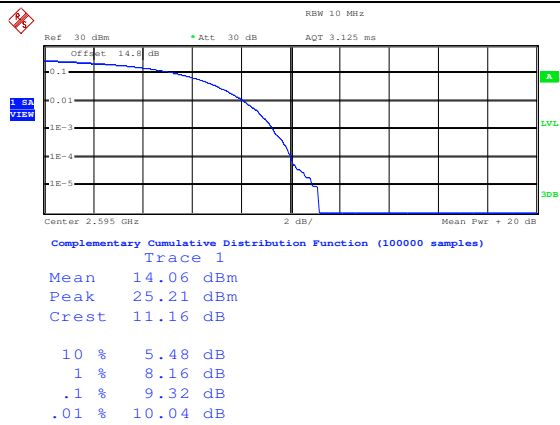
QPSK Middle channel-50 RB offset 50



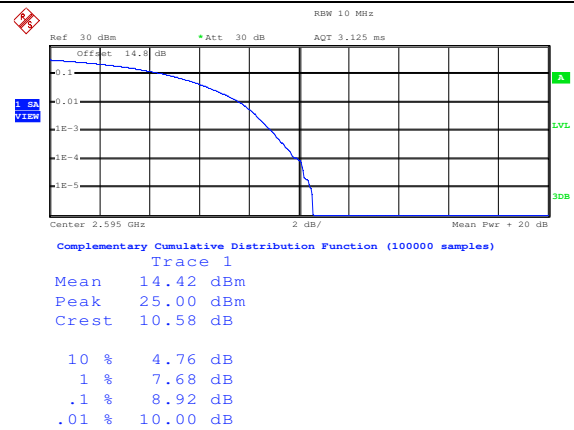
16QAM Middle channel-50 RB offset 50



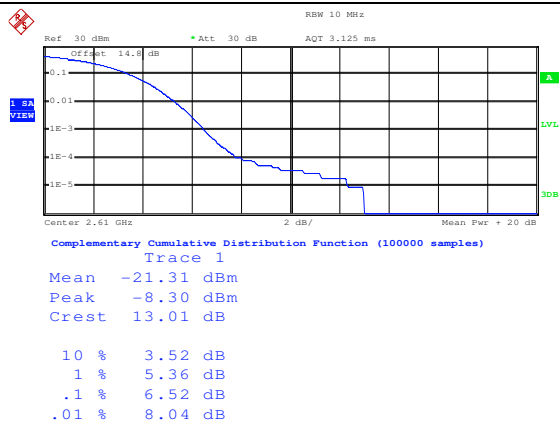
QPSK Middle channel-100 RB offset 0



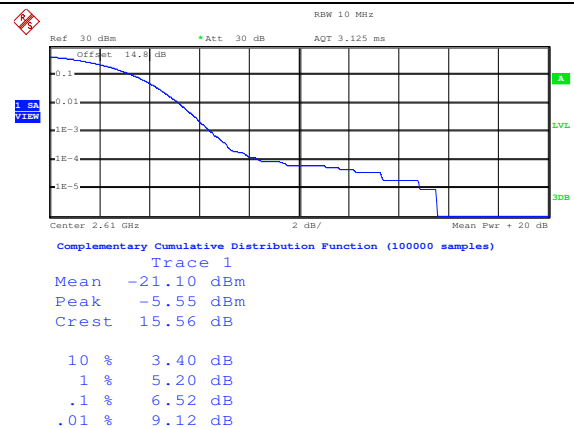
16QAM Middle channel-100 RB offset 0



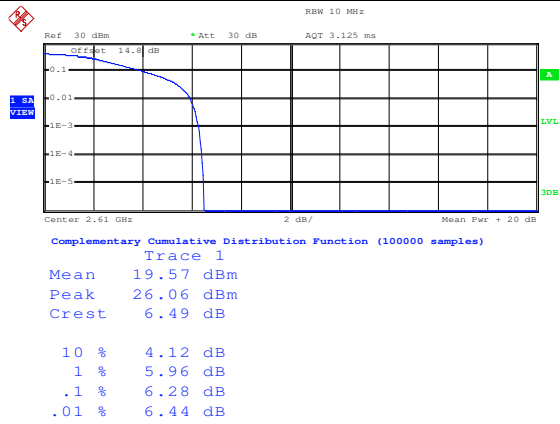
QPSK High channel-1 RB offset 0



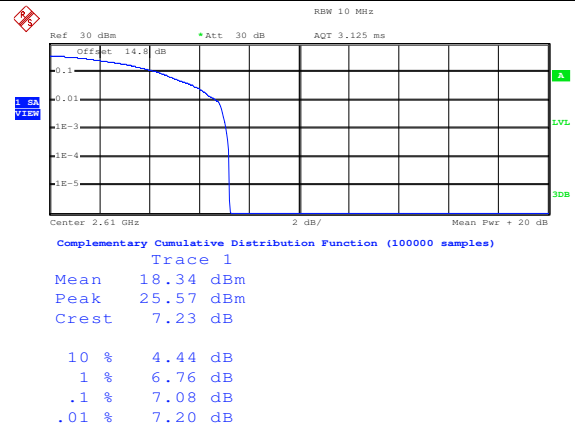
16QAM High channel-1 RB offset 0



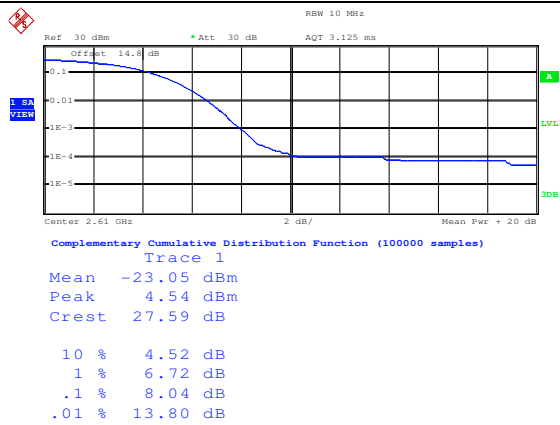
QPSK High channel-1 RB offset 50



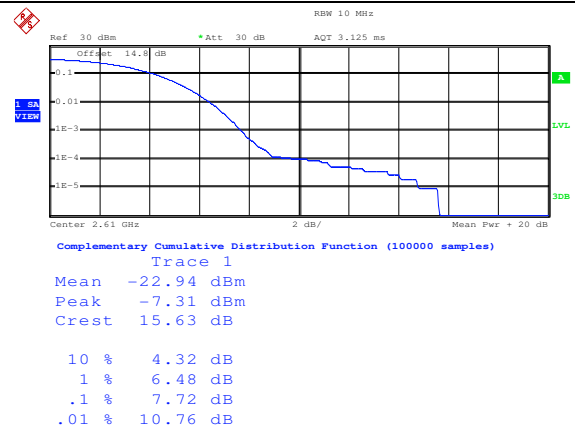
16QAM High channel-1 RB offset 50



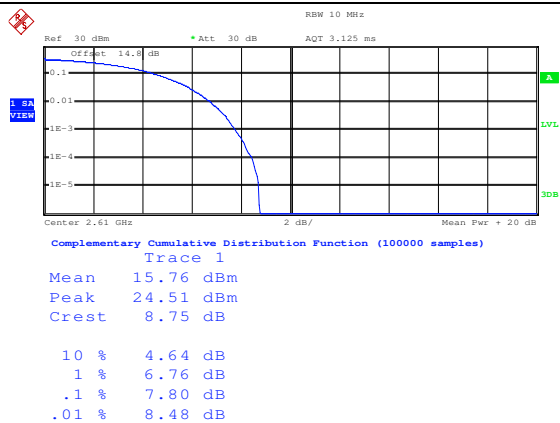
QPSK High channel-1 RB offset 99



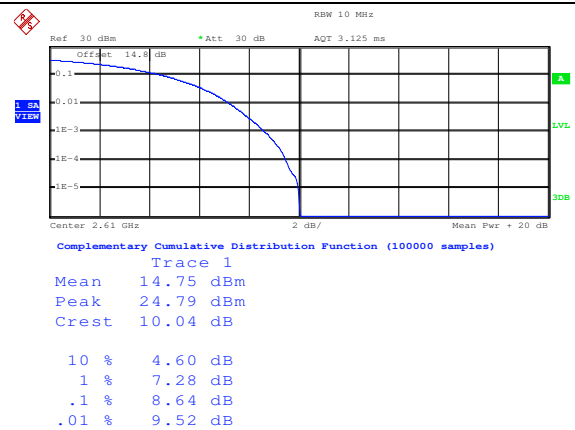
16QAM High channel-1 RB offset 99



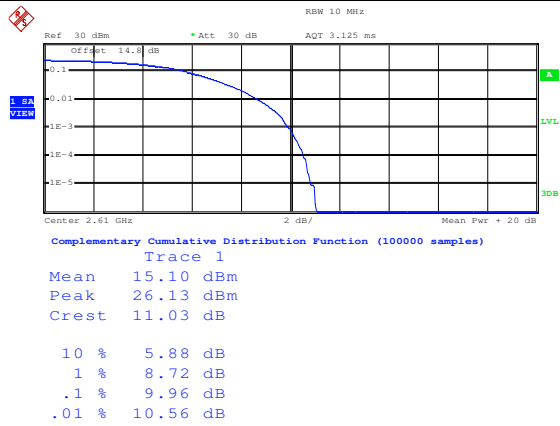
QPSK High channel-50 RB offset 0



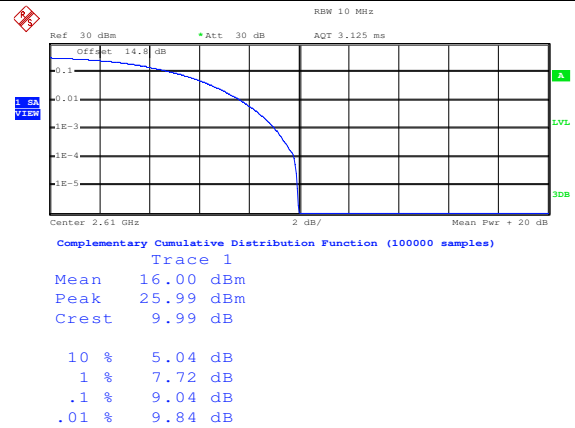
16QAM High channel-50 RB offset 0



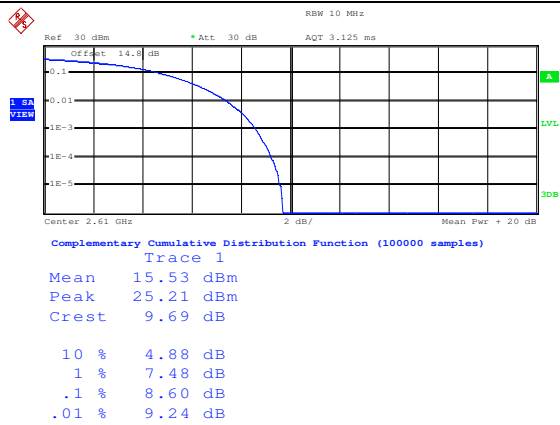
QPSK High channel-50 RB offset 25



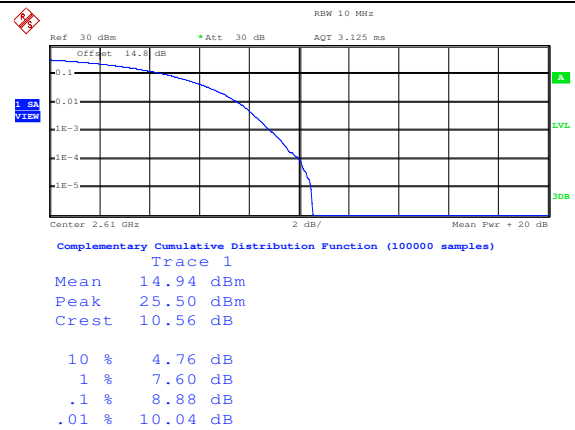
16QAM High channel-50 RB offset 25



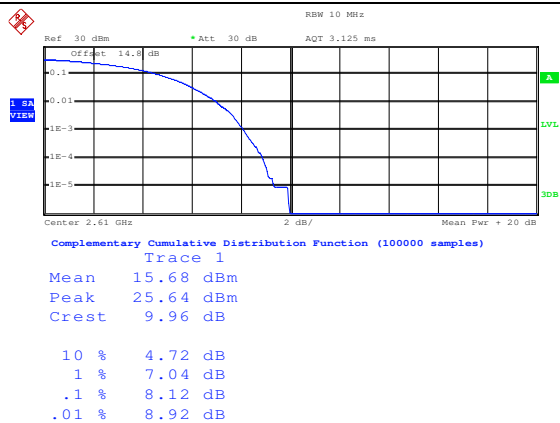
QPSK High channel-50 RB offset 50



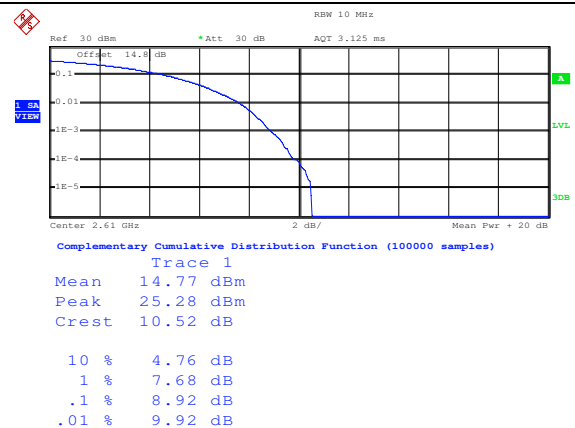
16QAM High channel-50 RB offset 50



QPSK High channel-100 RB offset 0



16QAM High channel-100 RB offset 0



Date: 16.JAN.2019 10:30:41