

LTE FDD Band 7, Nominal Bandwidth: 5.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.4	13	Pass
		1	12	4.2	13	Pass
		1	24	4.36	13	Pass
		12	0	4.8	13	Pass
		12	7	4.68	13	Pass
		12	13	4.76	13	Pass
		25	0	5	13	Pass
	MCH	1	0	4.68	13	Pass
		1	12	4.44	13	Pass
		1	24	4.36	13	Pass
		12	0	5.12	13	Pass
		12	7	4.88	13	Pass
		12	13	4.92	13	Pass
		25	0	5.24	13	Pass
	HCH	1	0	4.84	13	Pass
		1	12	4.52	13	Pass
		1	24	4.6	13	Pass
		12	0	5.32	13	Pass
		12	7	5.16	13	Pass
		12	13	5.16	13	Pass
		25	0	5.44	13	Pass
16QAM	LCH	1	0	5.2	13	Pass
		1	12	5.12	13	Pass
		1	24	5.32	13	Pass
		12	0	5.72	13	Pass
		12	7	5.6	13	Pass
		12	13	5.6	13	Pass
		25	0	5.84	13	Pass
	MCH	1	0	5.48	13	Pass
		1	12	5.44	13	Pass
		1	24	5.2	13	Pass
		12	0	6	13	Pass
		12	7	5.92	13	Pass
		12	13	5.8	13	Pass
		25	0	6	13	Pass
	HCH	1	0	5.64	13	Pass
		1	12	5.56	13	Pass
		1	24	5.64	13	Pass
		12	0	6.28	13	Pass
		12	7	6.08	13	Pass
		12	13	6.08	13	Pass
		25	0	6.28	13	Pass

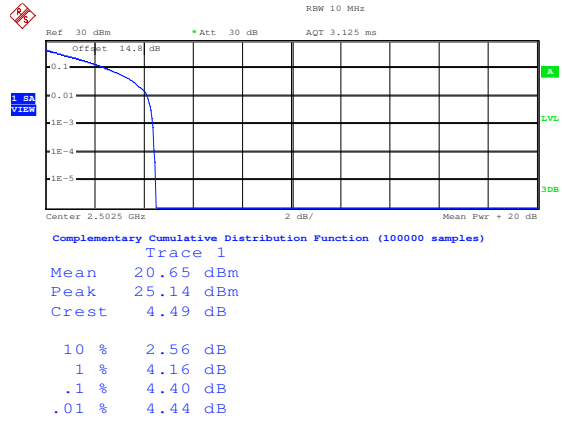
LTE FDD Band 7, Nominal Bandwidth: 10.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.44	13	Pass
		1	25	4.2	13	Pass
		1	49	4.4	13	Pass
		25	0	4.8	13	Pass
		25	12	4.84	13	Pass
		25	25	5.04	13	Pass
		50	0	5.2	13	Pass
	MCH	1	0	4.8	13	Pass
		1	25	4.36	13	Pass
		1	49	4.24	13	Pass
		25	0	5.04	13	Pass
		25	12	5	13	Pass
		25	25	5.08	13	Pass
		50	0	5.36	13	Pass
	HCH	1	0	4.72	13	Pass
		1	25	4.52	13	Pass
		1	49	4.48	13	Pass
		25	0	5.32	13	Pass
		25	12	5.32	13	Pass
		25	25	5.44	13	Pass
		50	0	5.52	13	Pass
16QAM	LCH	1	0	5.44	13	Pass
		1	25	5.2	13	Pass
		1	49	5.24	13	Pass
		25	0	5.72	13	Pass
		25	12	5.64	13	Pass
		25	25	5.8	13	Pass
		50	0	6	13	Pass
	MCH	1	0	5.68	13	Pass
		1	25	5.28	13	Pass
		1	49	5.12	13	Pass
		25	0	5.96	13	Pass
		25	12	5.88	13	Pass
		25	25	5.92	13	Pass
		50	0	6.24	13	Pass
	HCH	1	0	5.64	13	Pass
		1	25	5.52	13	Pass
		1	49	5.56	13	Pass
		25	0	6.24	13	Pass
		25	12	6.2	13	Pass
		25	25	6.36	13	Pass
		50	0	6.4	13	Pass

LTE FDD Band 7, Nominal Bandwidth: 15.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.76	13	Pass
		1	37	4.2	13	Pass
		1	74	7	13	Pass
		36	0	5.04	13	Pass
		36	20	5.08	13	Pass
		36	39	5.6	13	Pass
		75	0	5.64	13	Pass
	MCH	1	0	5.56	13	Pass
		1	37	4.4	13	Pass
		1	74	6.72	13	Pass
		36	0	5.2	13	Pass
		36	20	5.24	13	Pass
		36	39	5.68	13	Pass
		75	0	5.68	13	Pass
	HCH	1	0	6	13	Pass
		1	37	4.28	13	Pass
		1	74	6.88	13	Pass
		36	0	5.32	13	Pass
		36	20	5.52	13	Pass
		36	39	5.64	13	Pass
		75	0	5.88	13	Pass
16QAM	LCH	1	0	5.6	13	Pass
		1	37	5.16	13	Pass
		1	74	7.36	13	Pass
		36	0	6.16	13	Pass
		36	20	5.84	13	Pass
		36	39	6.52	13	Pass
		75	0	6.6	13	Pass
	MCH	1	0	5.44	13	Pass
		1	37	5.36	13	Pass
		1	74	7.4	13	Pass
		36	0	6.32	13	Pass
		36	20	6.08	13	Pass
		36	39	6.56	13	Pass
		75	0	6.8	13	Pass
	HCH	1	0	5.92	13	Pass
		1	37	5.68	13	Pass
		1	74	7.44	13	Pass
		36	0	6.48	13	Pass
		36	20	6.36	13	Pass
		36	39	6.76	13	Pass
		75	0	6.88	13	Pass

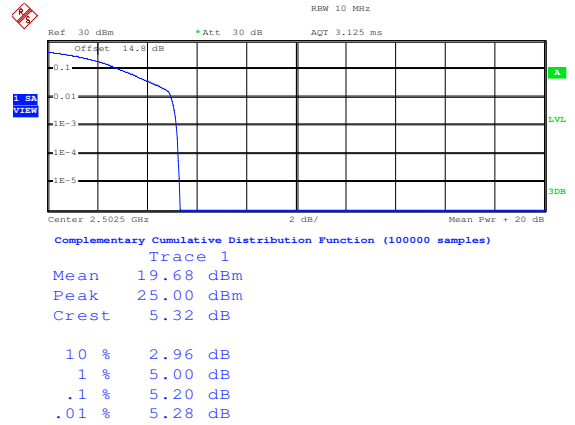
LTE FDD Band 7, Nominal Bandwidth: 20.0MHz						
Modulation	Channel	RB Configuration		Test result (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.72	13	Pass
		1	50	4.28	13	Pass
		1	99	4.72	13	Pass
		50	0	5.84	13	Pass
		50	25	5.16	13	Pass
		50	50	6.44	13	Pass
		100	0	6.32	13	Pass
	MCH	1	0	4.56	13	Pass
		1	50	4.4	13	Pass
		1	99	4.36	13	Pass
		50	0	5.88	13	Pass
		50	25	5.32	13	Pass
		50	50	6.48	13	Pass
		100	0	6.52	13	Pass
	HCH	1	0	5.12	13	Pass
		1	50	4.52	13	Pass
		1	99	5.24	13	Pass
		50	0	6.08	13	Pass
		50	25	5.52	13	Pass
		50	50	6.52	13	Pass
		100	0	6.6	13	Pass
16QAM	LCH	1	0	4.56	13	Pass
		1	50	5.04	13	Pass
		1	99	4.52	13	Pass
		50	0	6.56	13	Pass
		50	25	5.96	13	Pass
		50	50	6.88	13	Pass
		100	0	6.96	13	Pass
	MCH	1	0	5.56	13	Pass
		1	50	5.56	13	Pass
		1	99	5.6	13	Pass
		50	0	6.68	13	Pass
		50	25	6.16	13	Pass
		50	50	7.12	13	Pass
		100	0	7.2	13	Pass
	HCH	1	0	5.32	13	Pass
		1	50	5.6	13	Pass
		1	99	5.2	13	Pass
		50	0	7.04	13	Pass
		50	25	6.4	13	Pass
		50	50	7.2	13	Pass
		100	0	7.2	13	Pass

# LTE FDD Band 7, Nominal Bandwidth: 5MHz

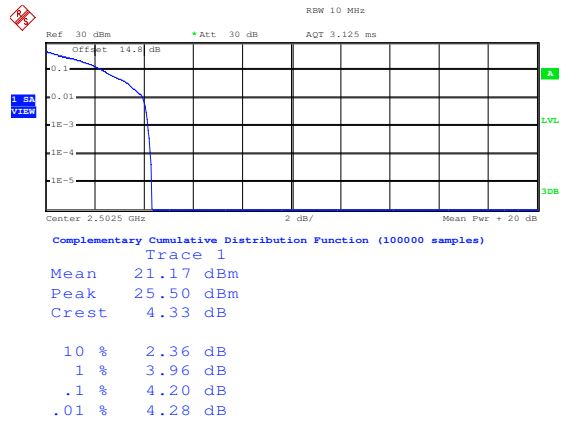
## QPSK Low channel-1 RB offset 0



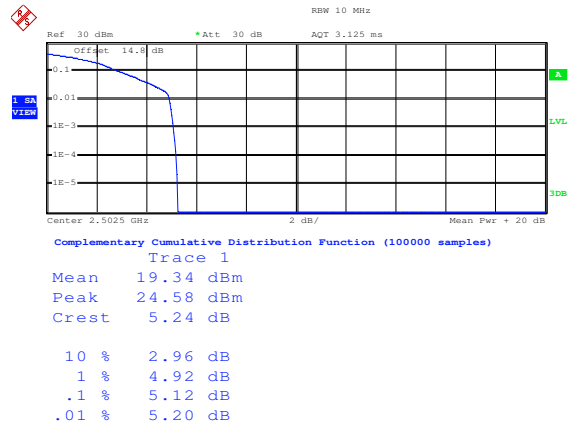
## 16QAM Low channel-1 RB offset 0



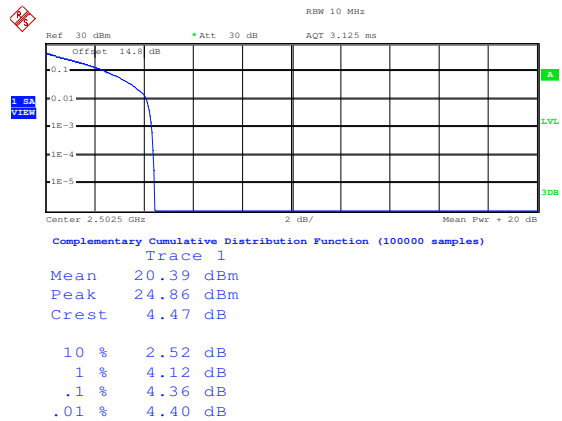
## QPSK Low channel-1 RB offset 12



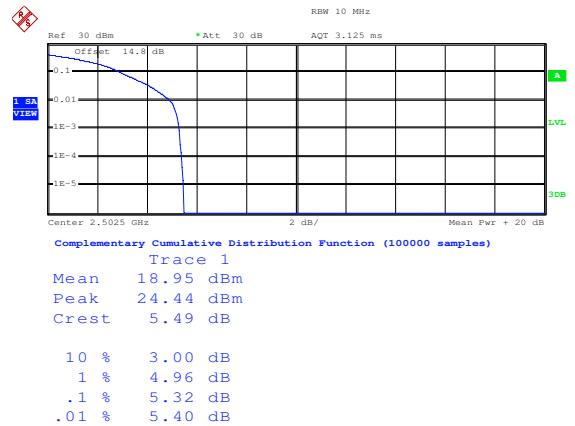
## 16QAM Low channel-1 RB offset 12



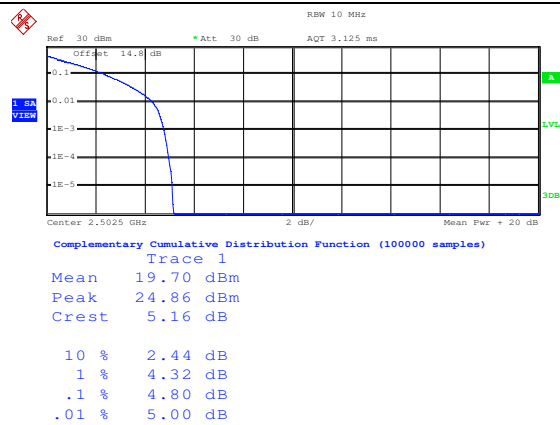
## QPSK Low channel-1 RB offset 24



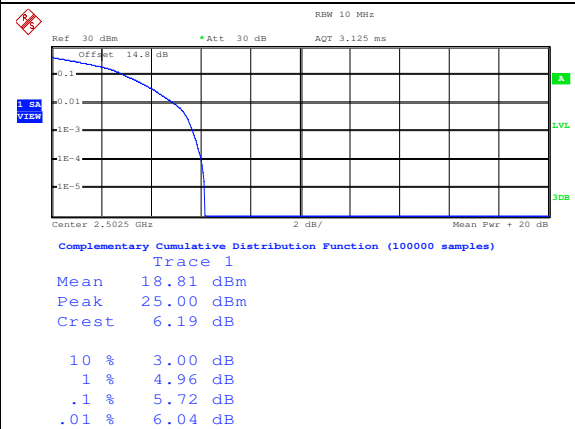
## 16QAM Low channel-1 RB offset 24



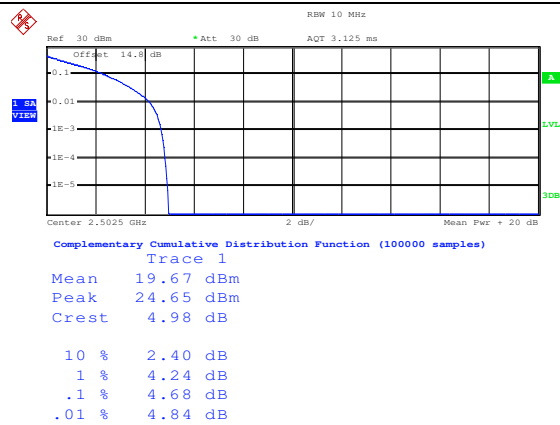
### QPSK Low channel-12 RB offset 0



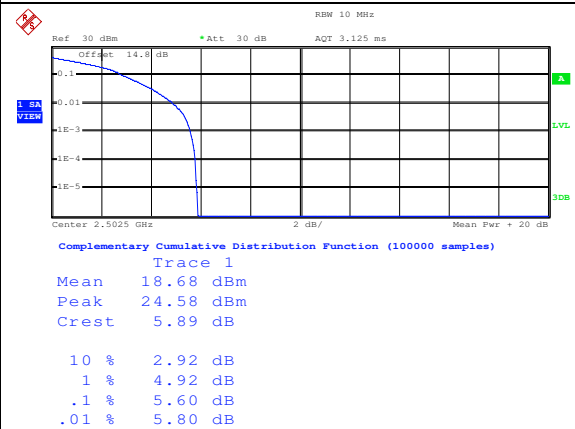
### 16QAM Low channel-12 RB offset 0



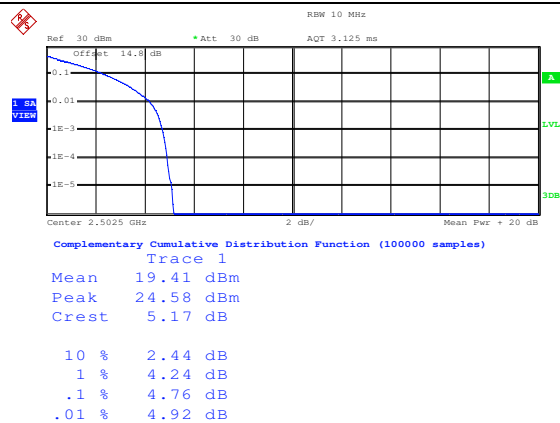
### QPSK Low channel-12 RB offset 7



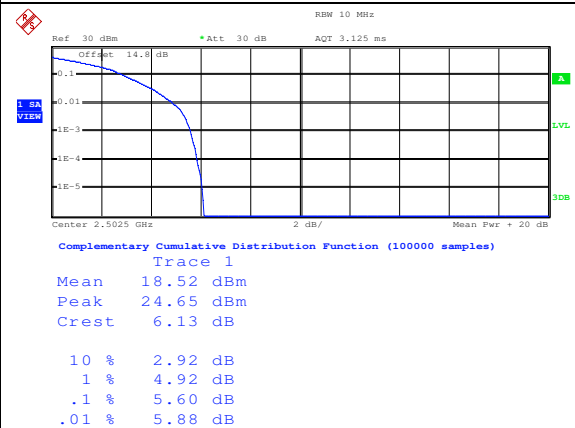
### 16QAM Low channel-12 RB offset 7

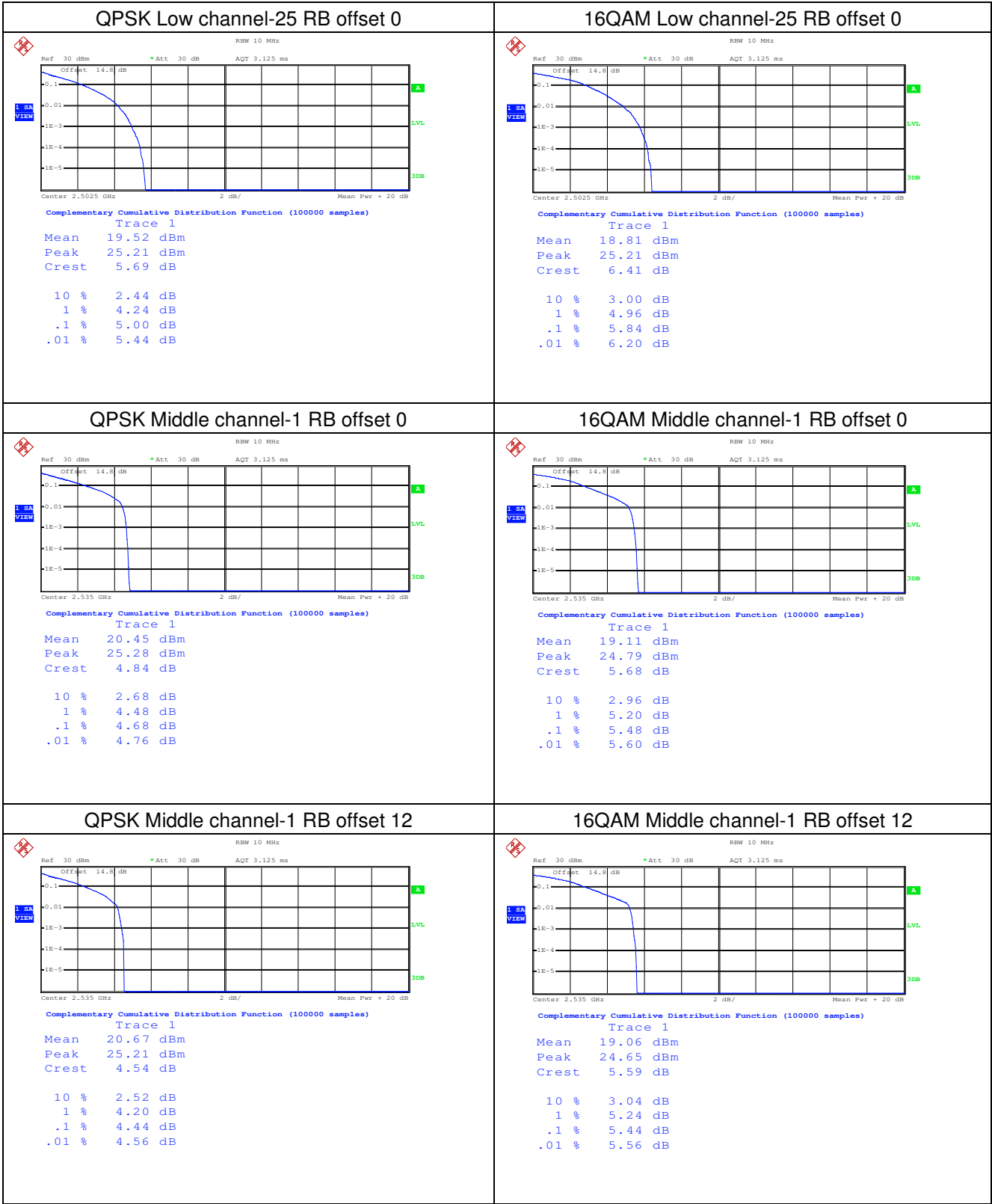


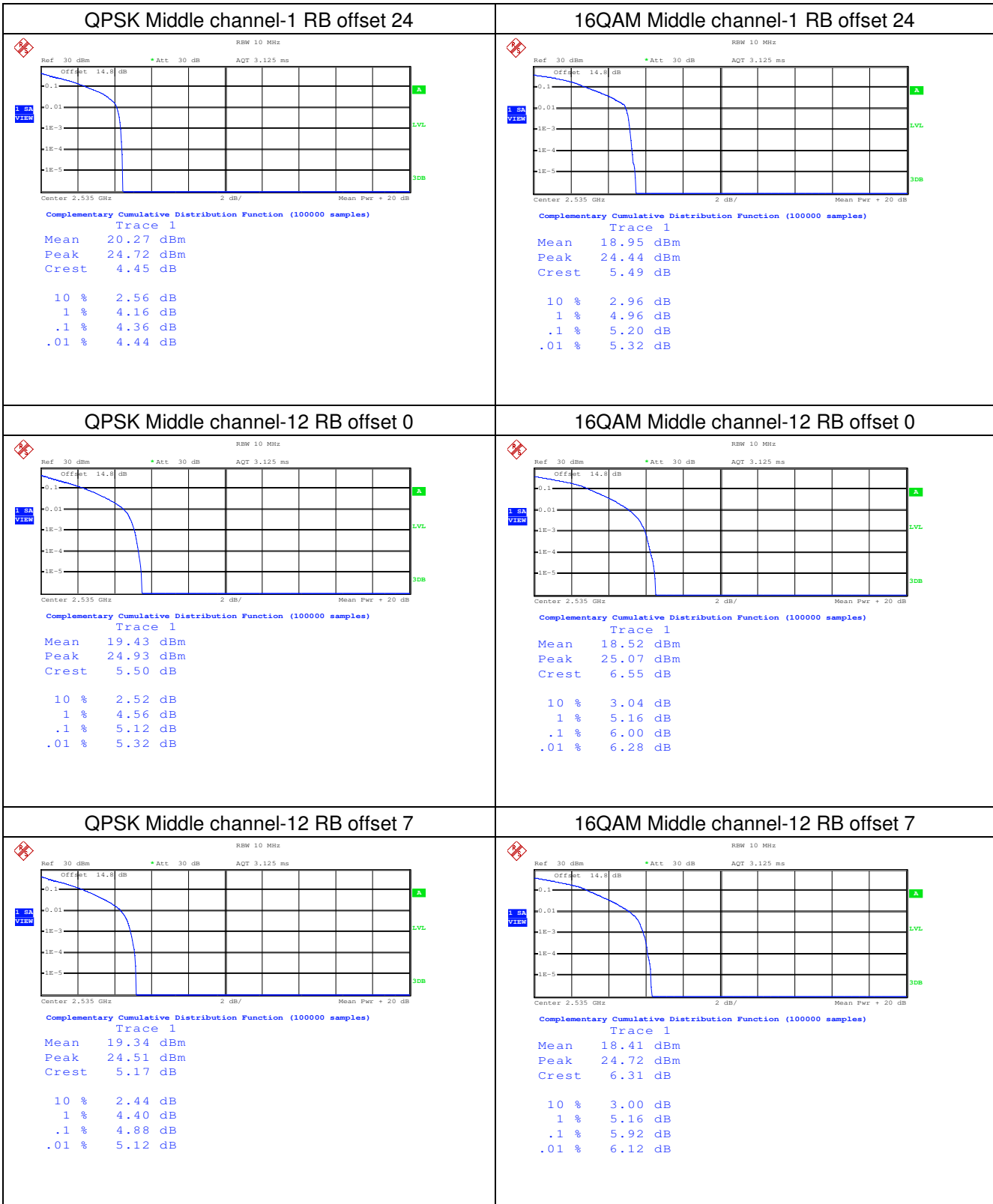
### QPSK Low channel-12 RB offset 13



### 16QAM Low channel-12 RB offset 13

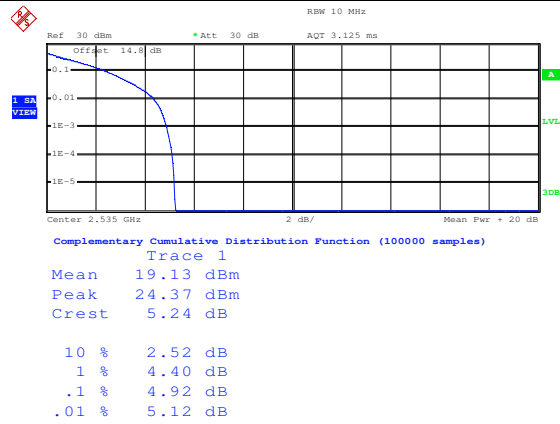




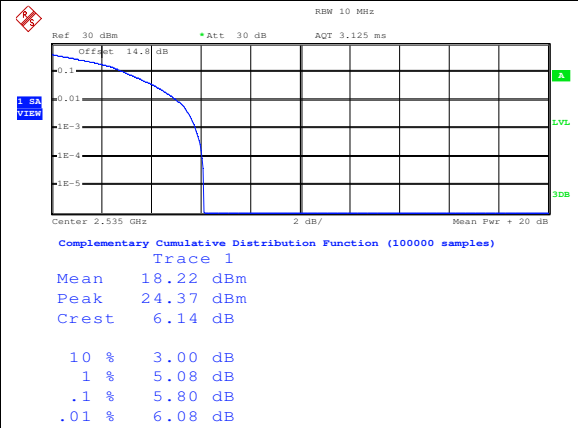




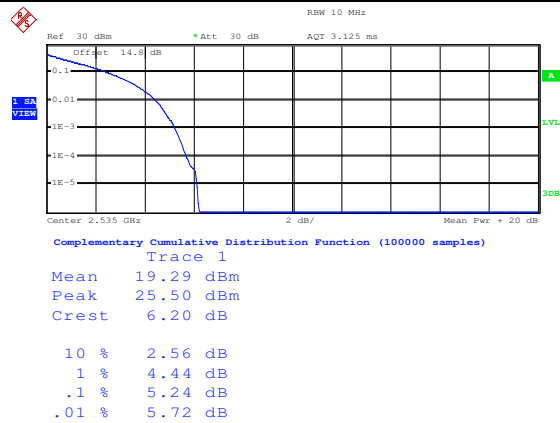
### QPSK Middle channel-12 RB offset 13



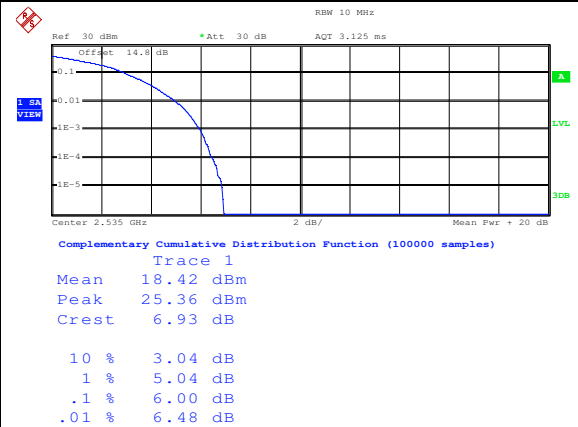
### 16QAM Middle channel-12 RB offset 13



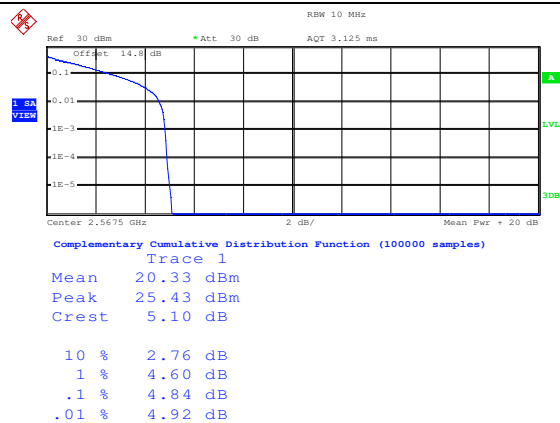
### QPSK Middle channel-25 RB offset 0



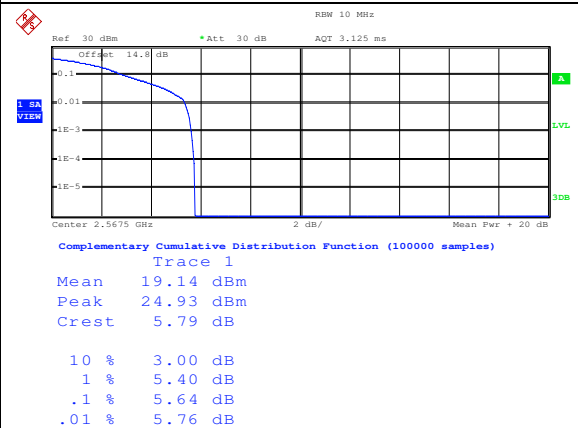
### 16QAM Middle channel-25 RB offset 0



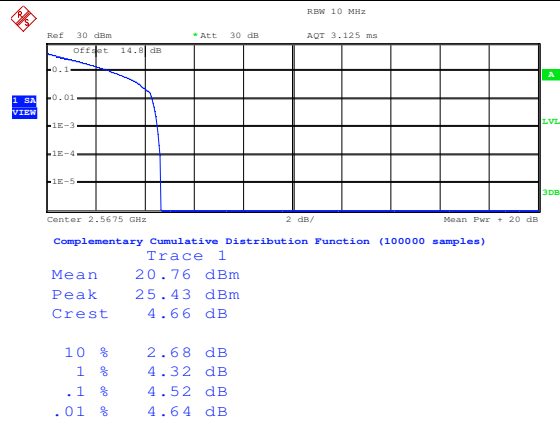
### QPSK High channel-1 RB offset 0



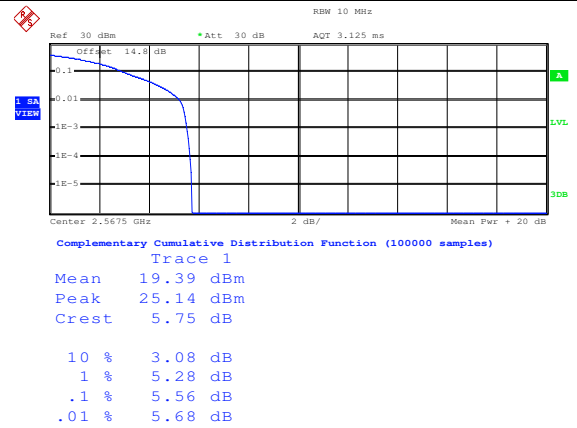
### 16QAM High channel-1 RB offset 0



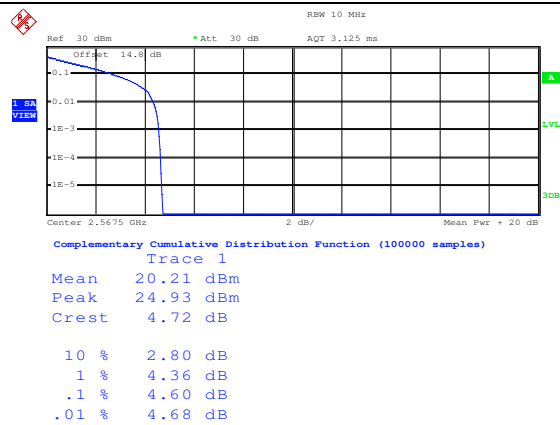
### QPSK High channel-1 RB offset 12



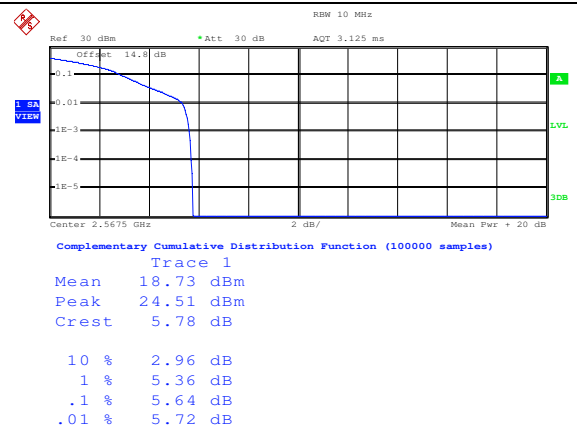
### 16QAM High channel-1 RB offset 12



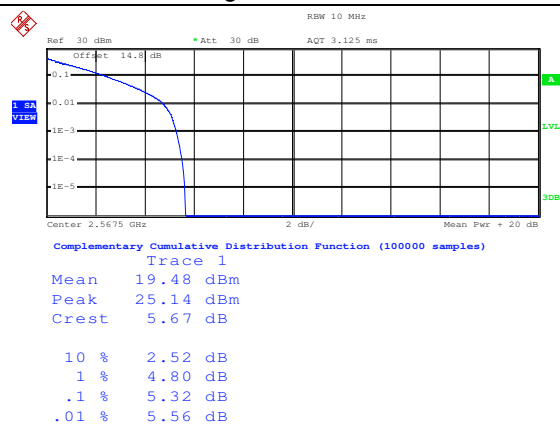
### QPSK High channel-1 RB offset 24



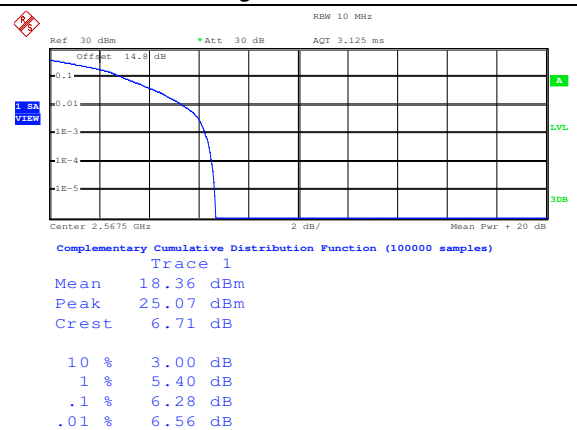
### 16QAM High channel-1 RB offset 24



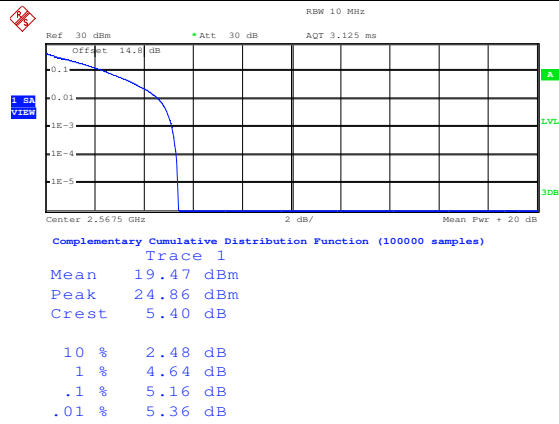
### QPSK High channel-12 RB offset 0



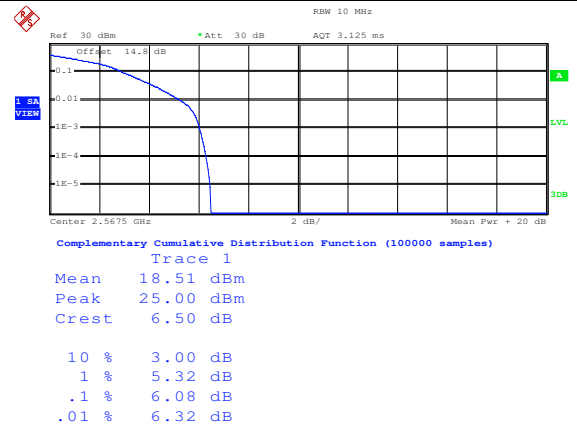
### 16QAM High channel-12 RB offset 0



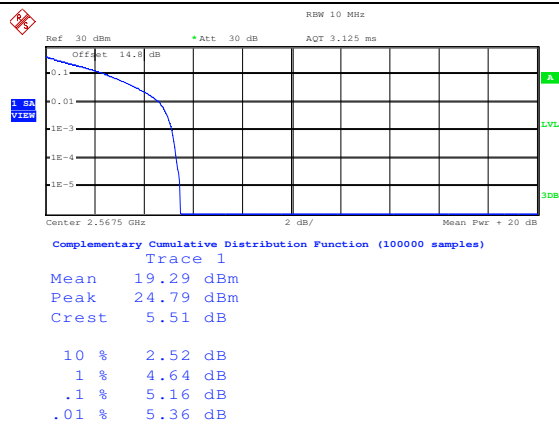
### QPSK High channel-12 RB offset 7



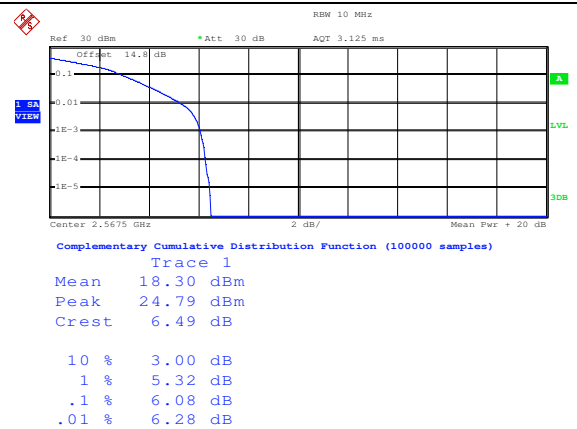
### 16QAM High channel-12 RB offset 7



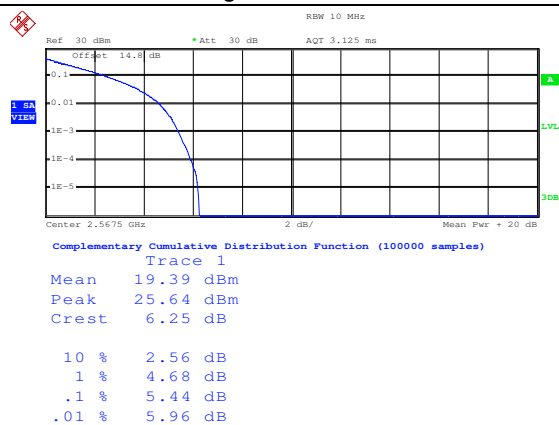
### QPSK High channel-12 RB offset 13



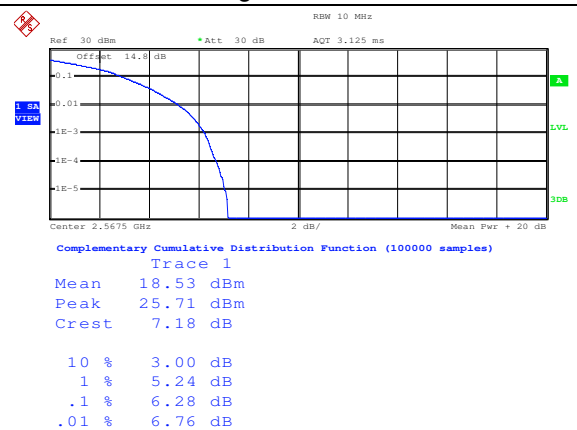
### 16QAM High channel-12 RB offset 13



### QPSK High channel-25 RB offset 0

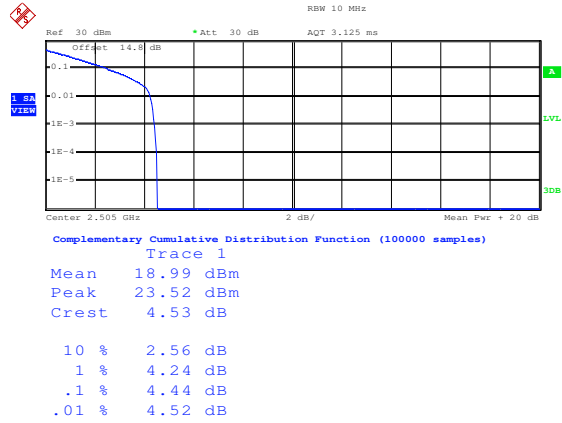


### 16QAM High channel-25 RB offset 0

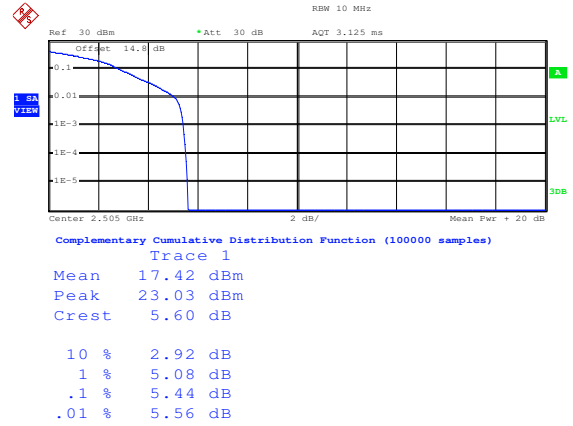


# LTE FDD Band 7, Nominal Bandwidth: 10MHz

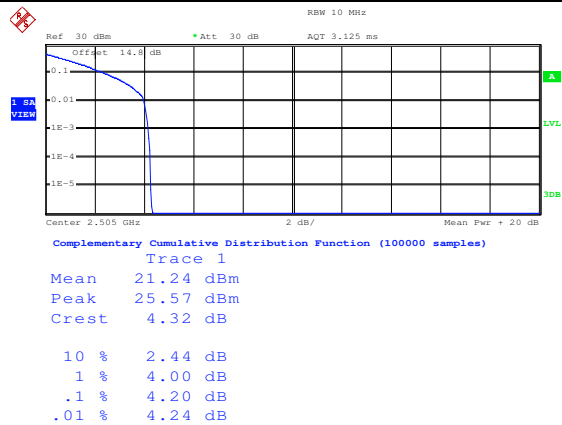
## QPSK Low channel-1 RB offset 0



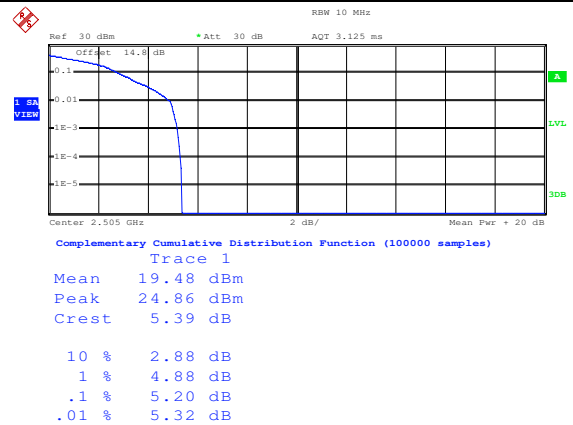
## 16QAM Low channel-1 RB offset 0



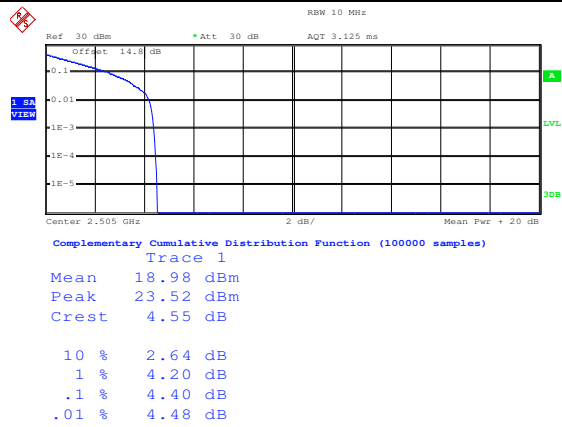
## QPSK Low channel-1 RB offset 25



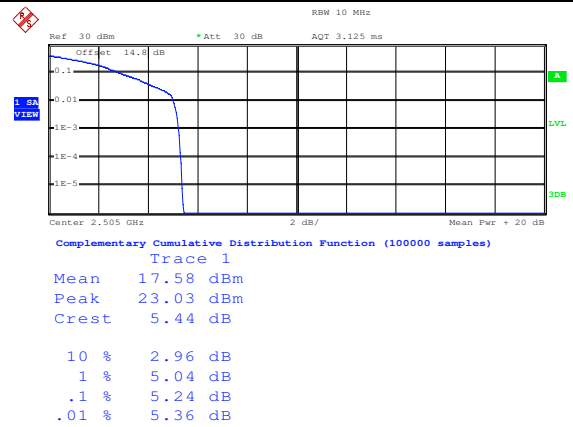
## 16QAM Low channel-1 RB offset 25

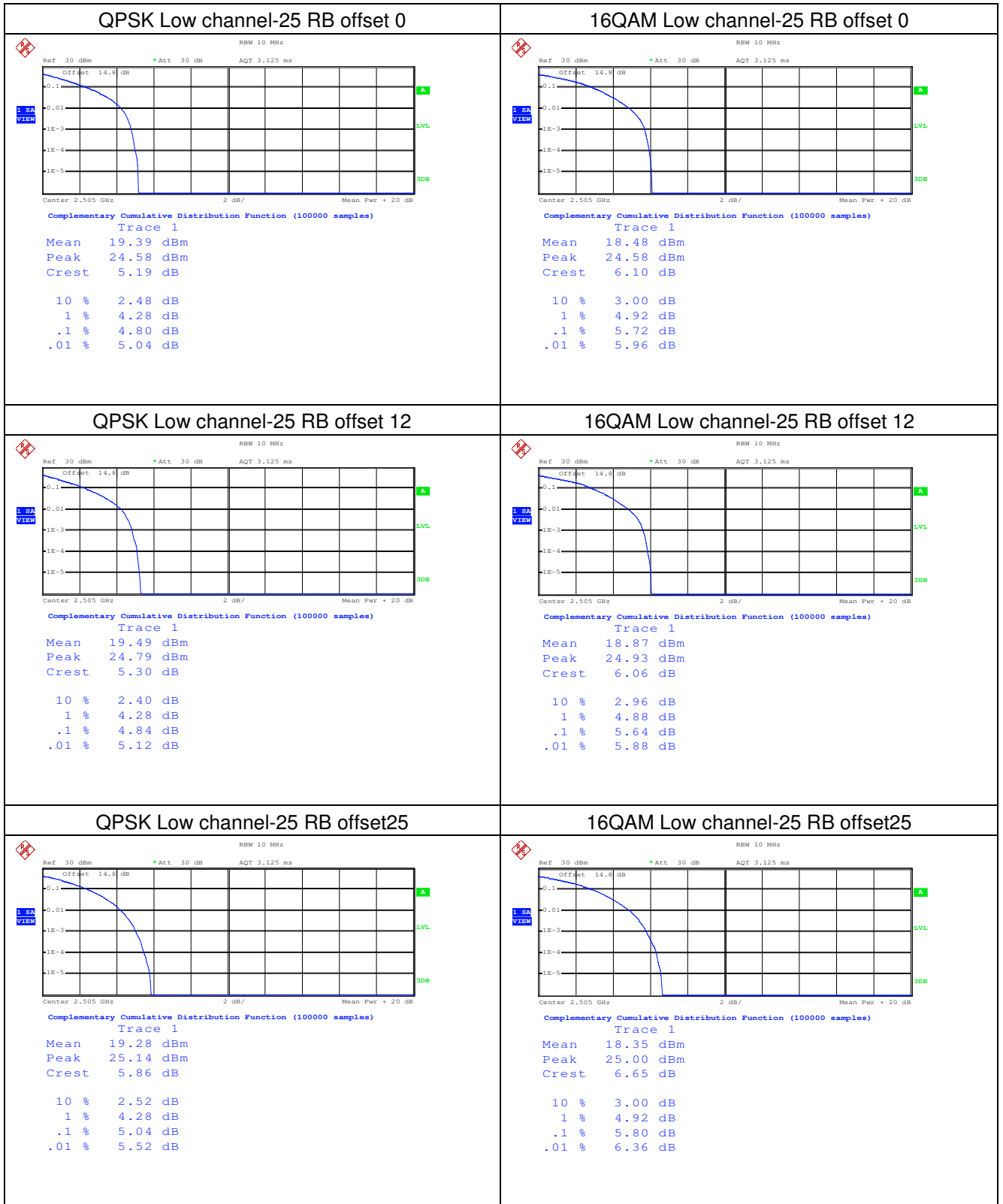


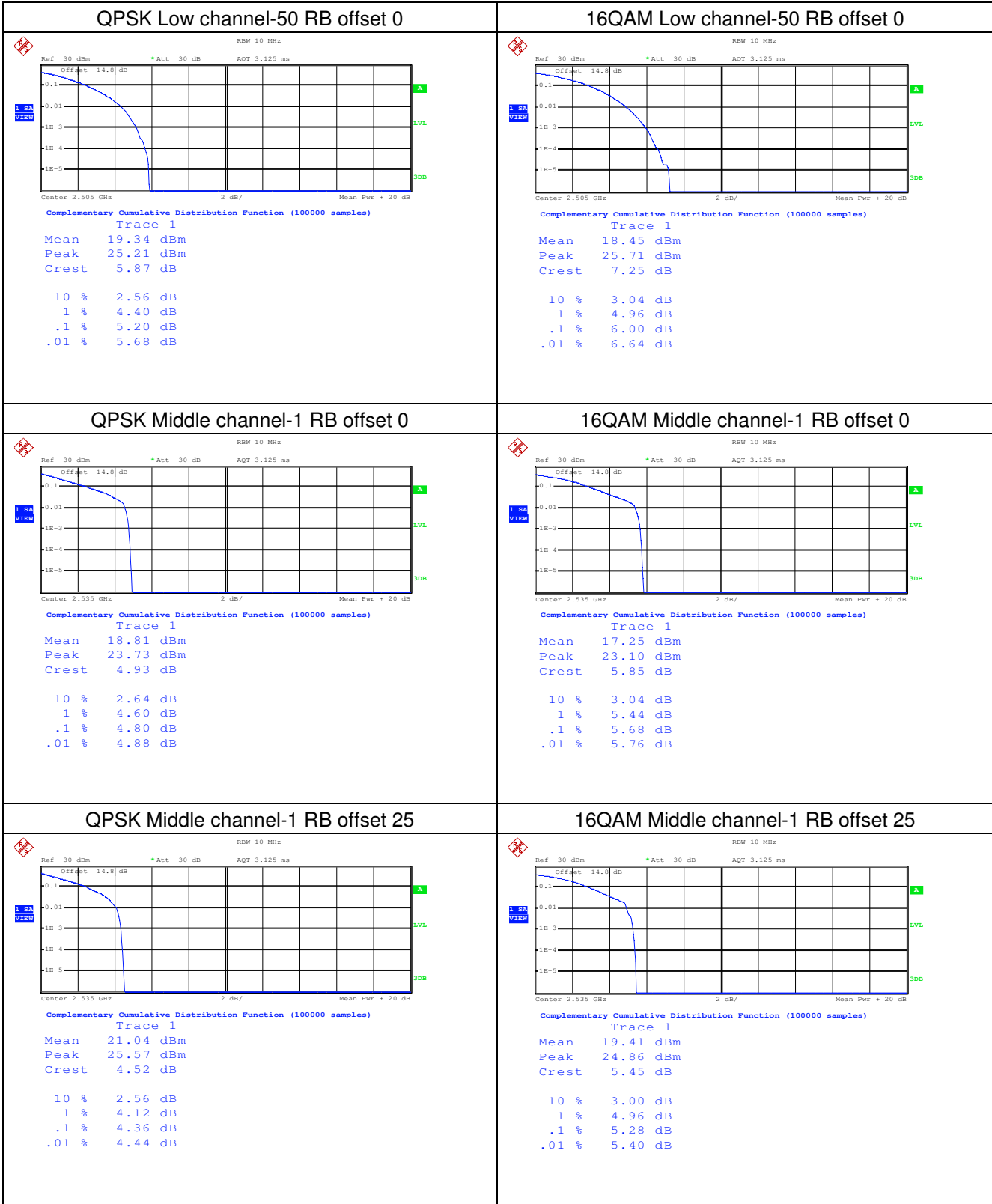
## QPSK Low channel-1 RB offset 49

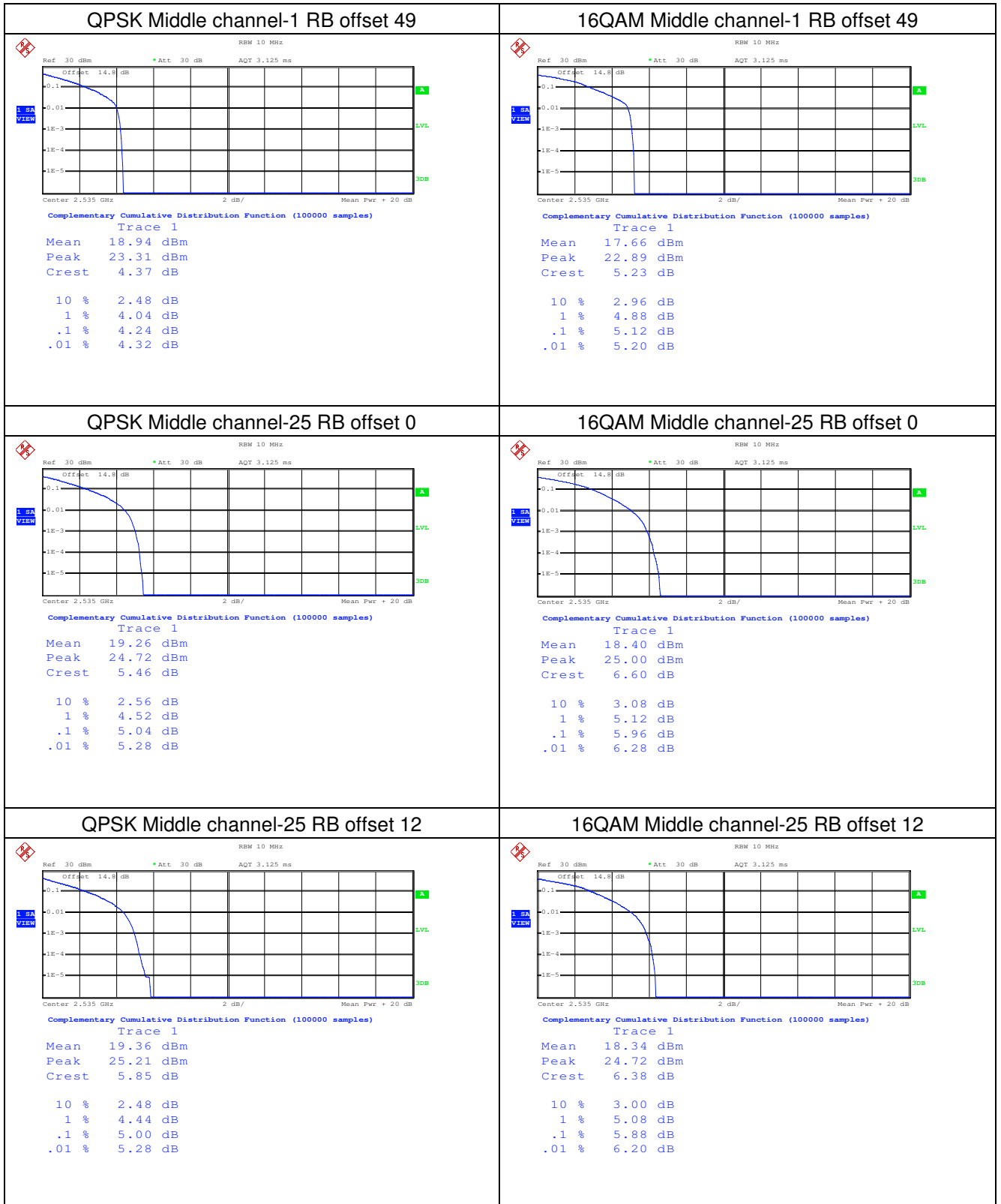


## 16QAM Low channel-1 RB offset 49

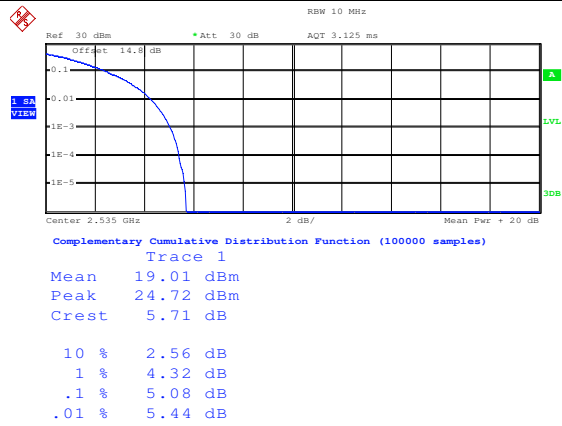




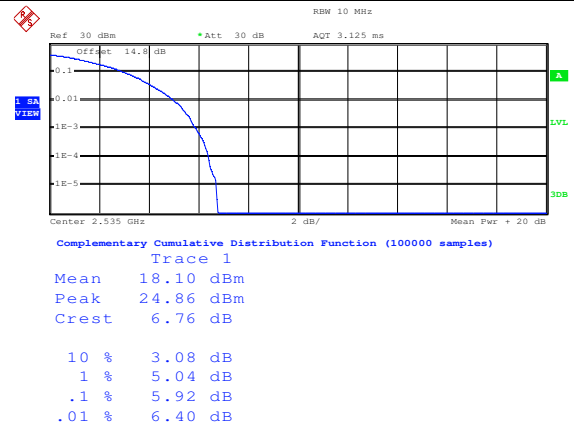




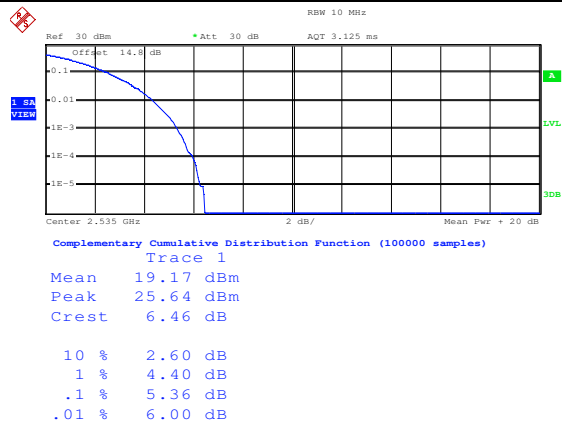
### QPSK Middle channel-25 RB offset 25



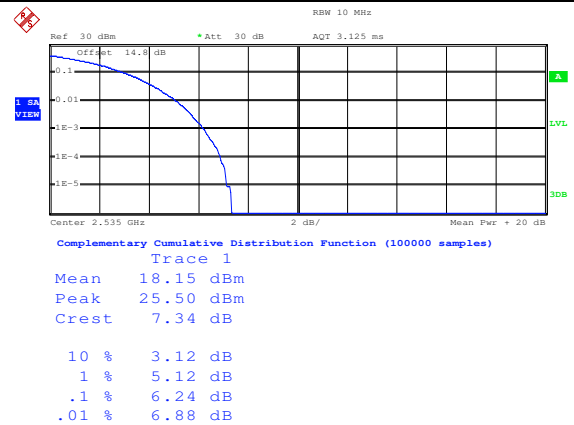
### 16QAM Middle channel-25 RB offset 25



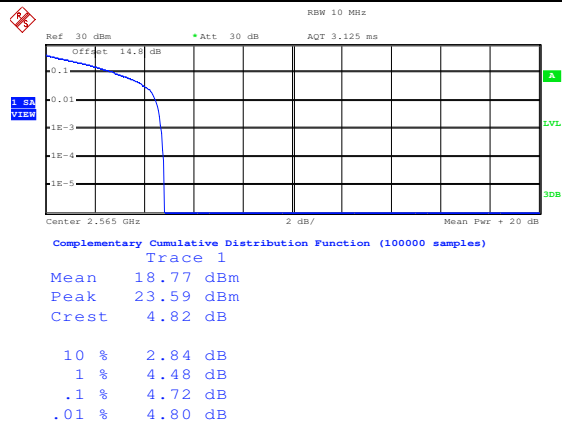
### QPSK Middle channel-50 RB offset 0



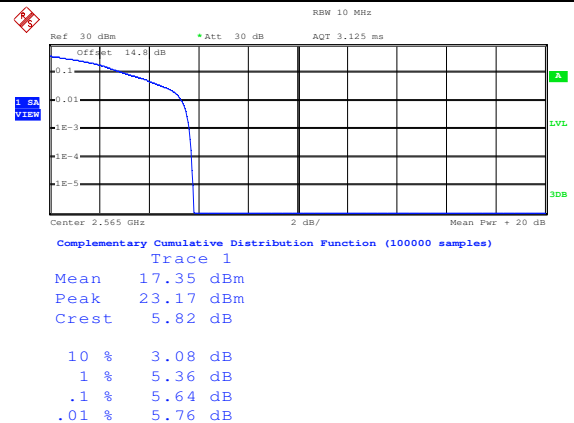
### 16QAM Middle channel-50 RB offset 0



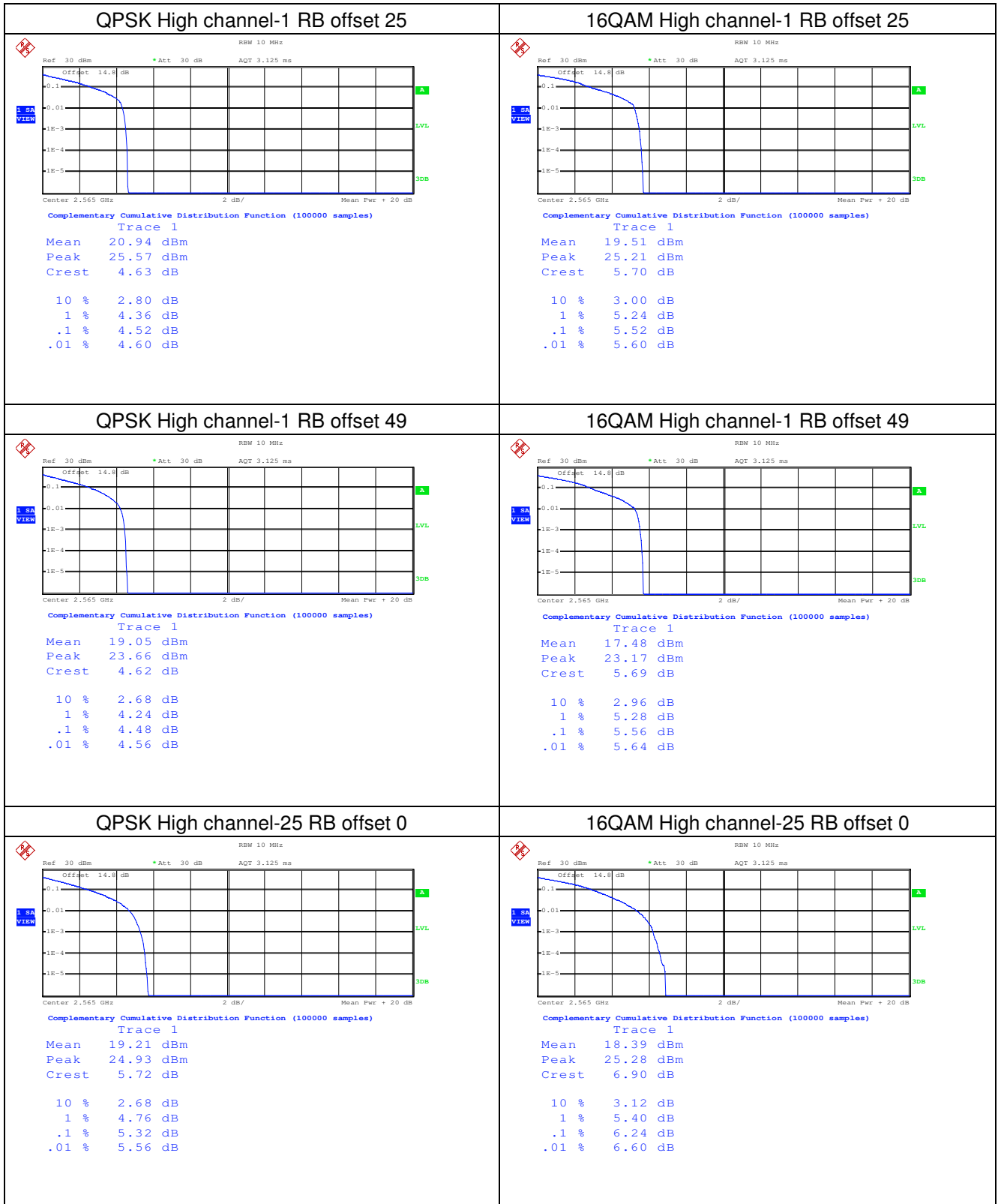
### QPSK High channel-1 RB offset 0



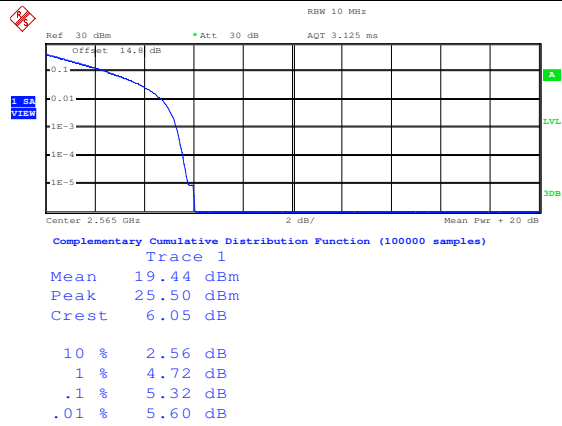
### 16QAM High channel-1 RB offset 0



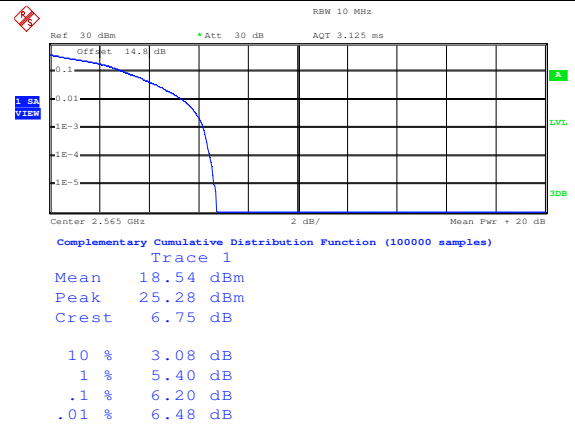




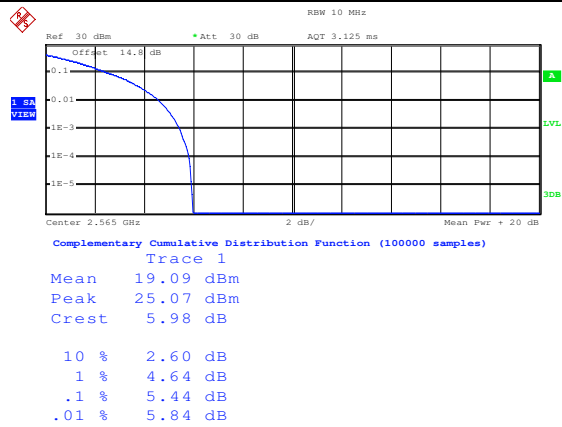
### QPSK High channel-25 RB offset 12



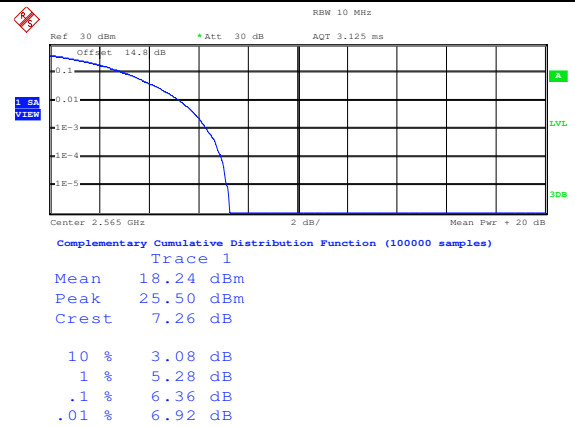
### 16QAM High channel-25 RB offset 12



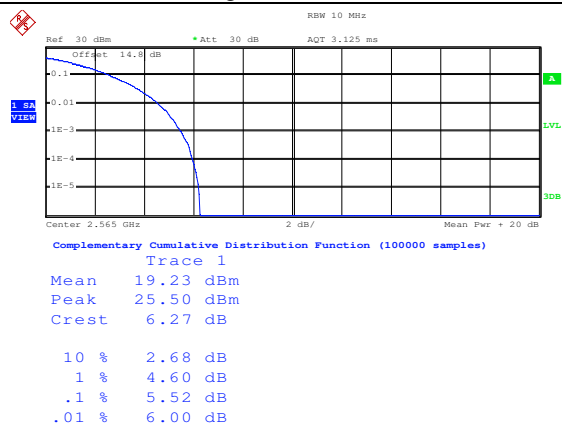
### QPSK High channel-25 RB offset 25



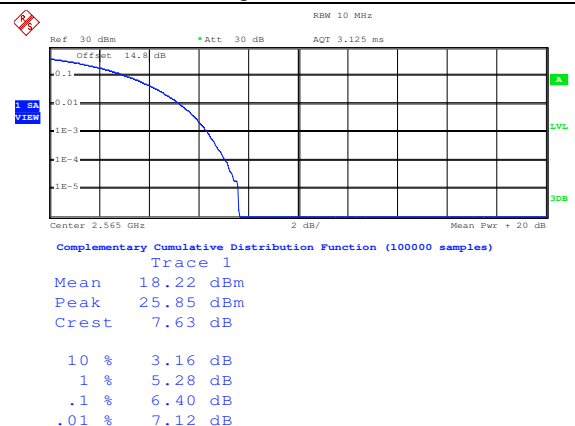
### 16QAM High channel-25 RB offset 25



### QPSK High channel-50 RB offset 0

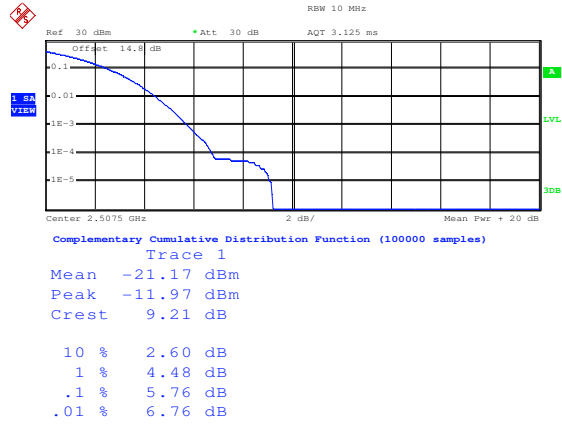


### 16QAM High channel-50 RB offset 0

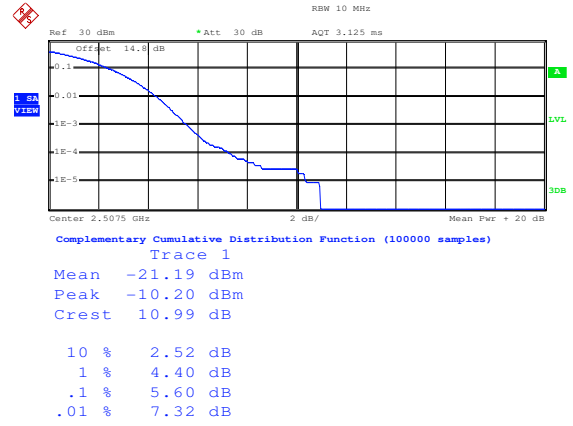


# LTE FDD Band 7, Nominal Bandwidth: 15MHz

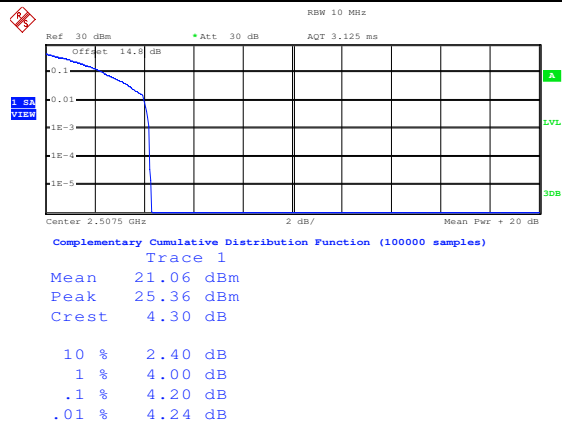
## QPSK Low channel-1 RB offset 0



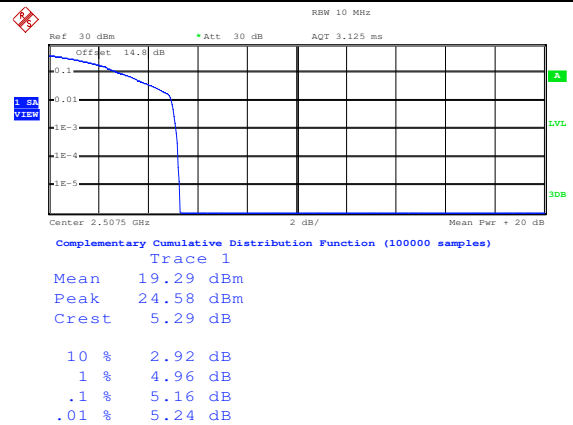
## 16QAM Low channel-1 RB offset 0



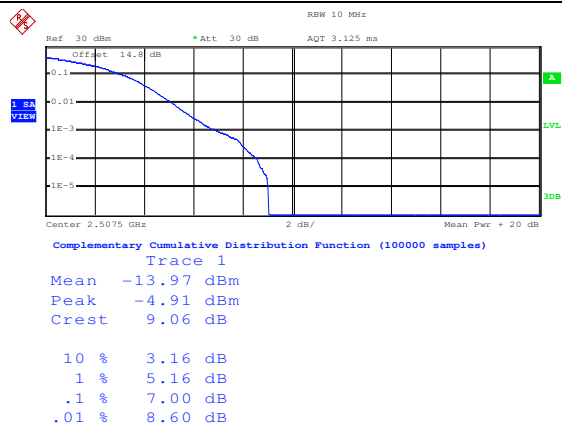
## QPSK Low channel-1 RB offset 37



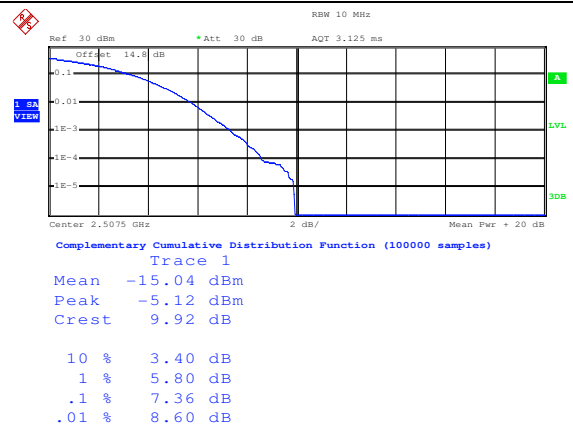
## 16QAM Low channel-1 RB offset 37

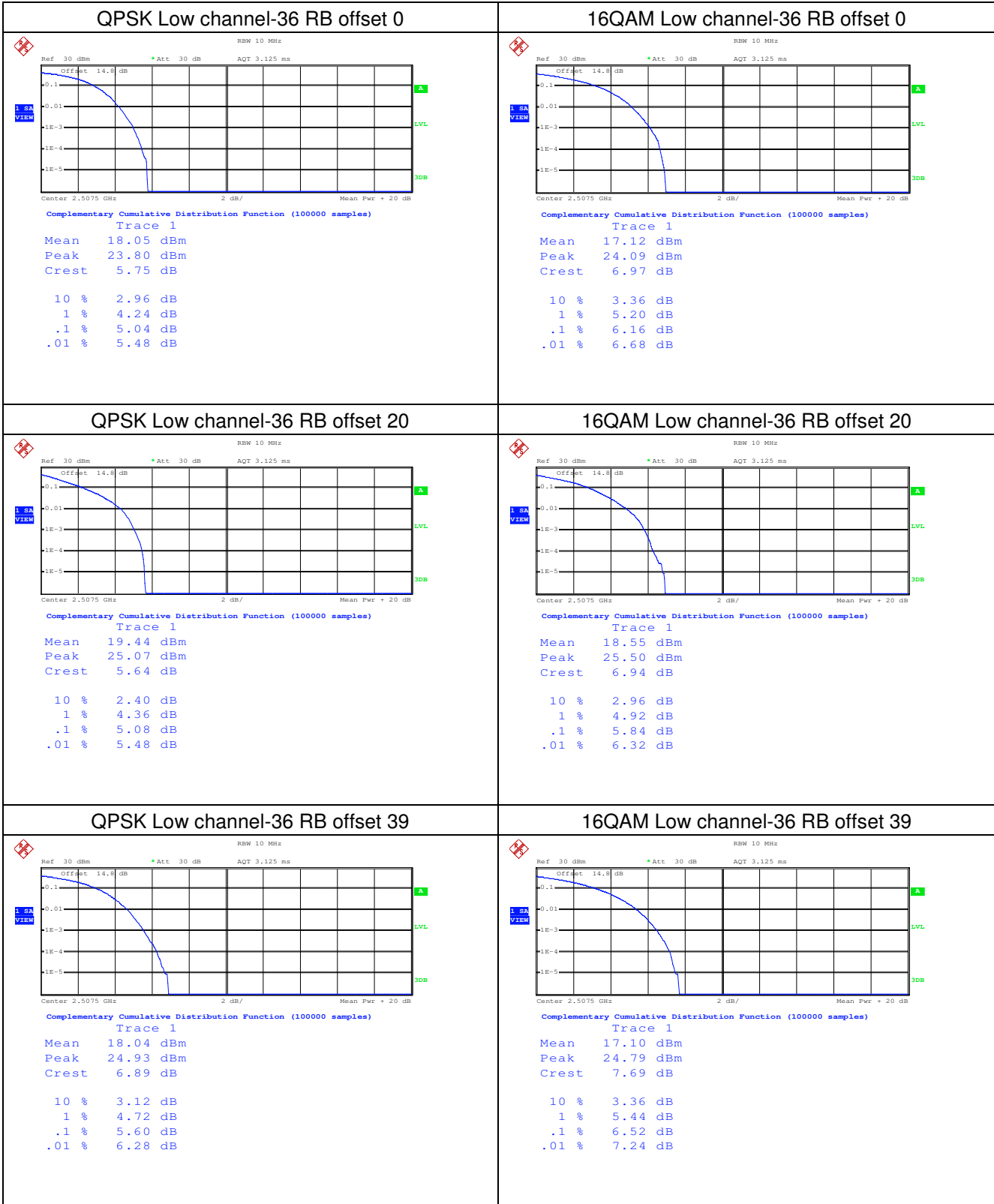


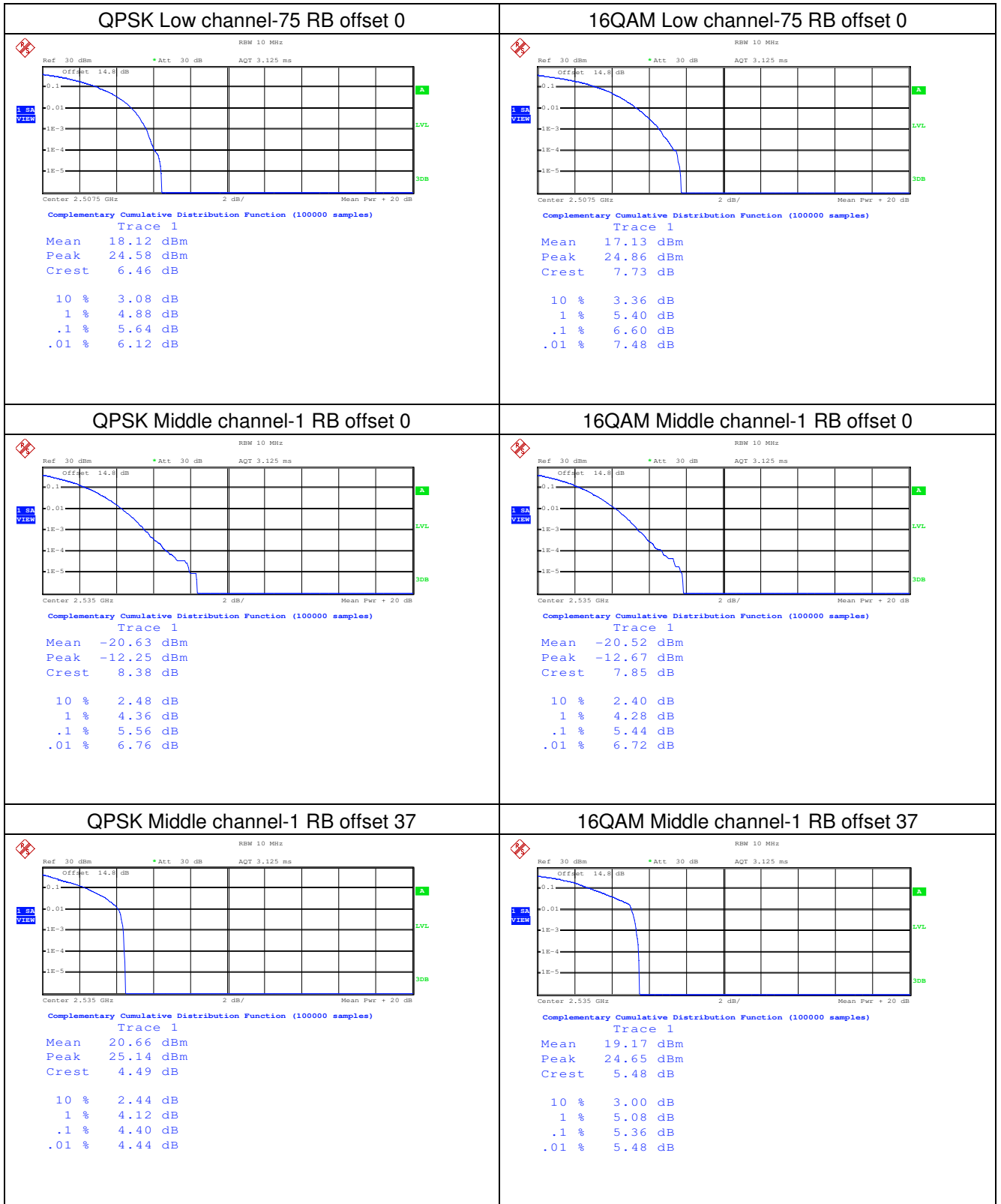
## QPSK Low channel-1 RB offset 74

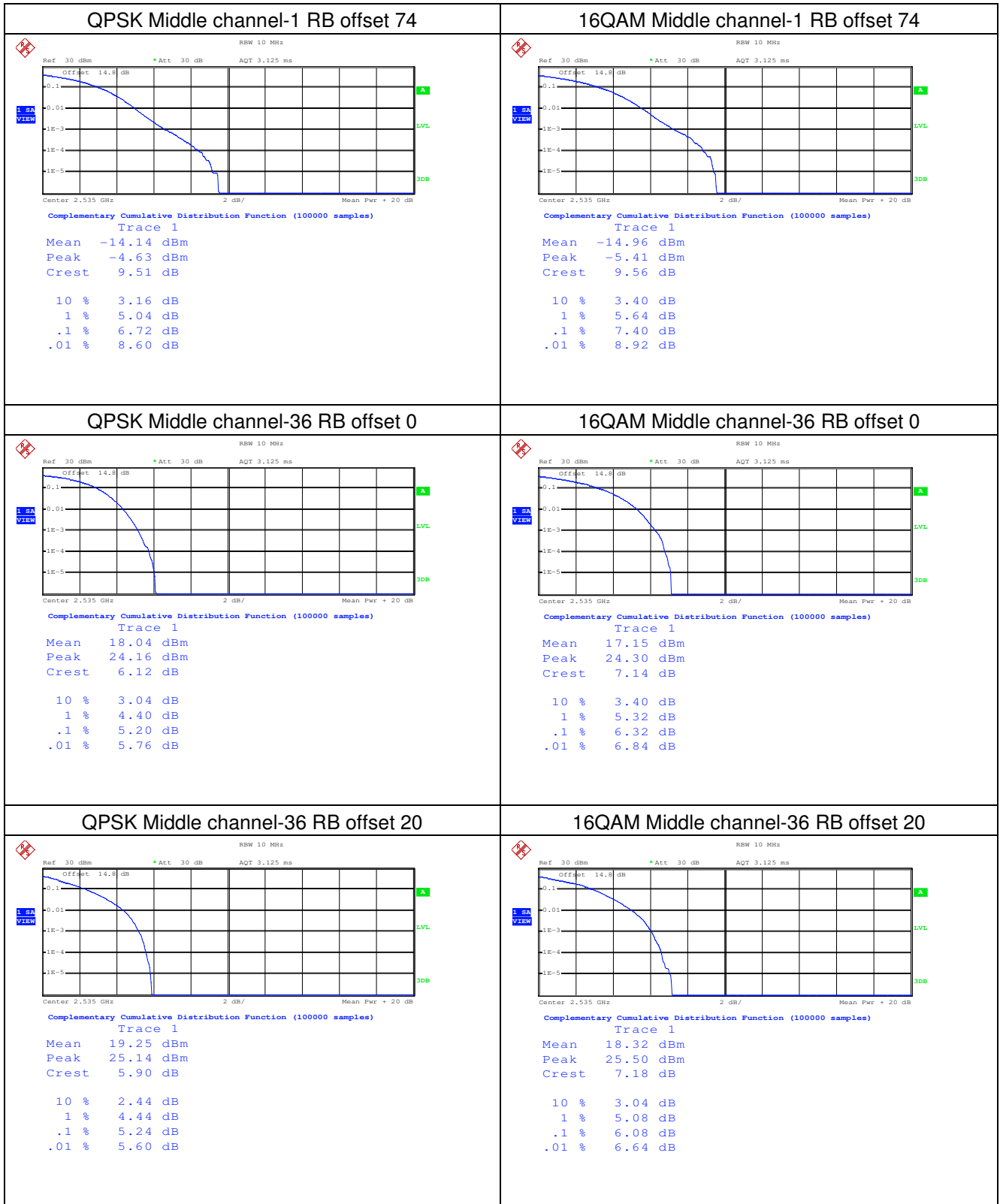


## 16QAM Low channel-1 RB offset 74

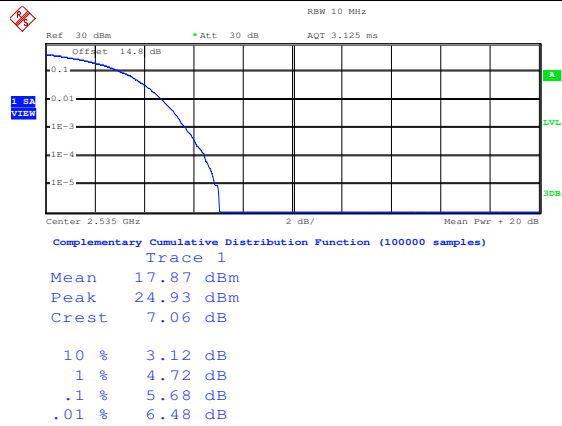




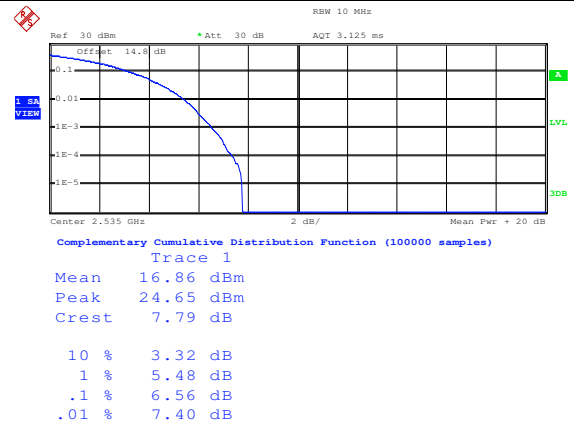




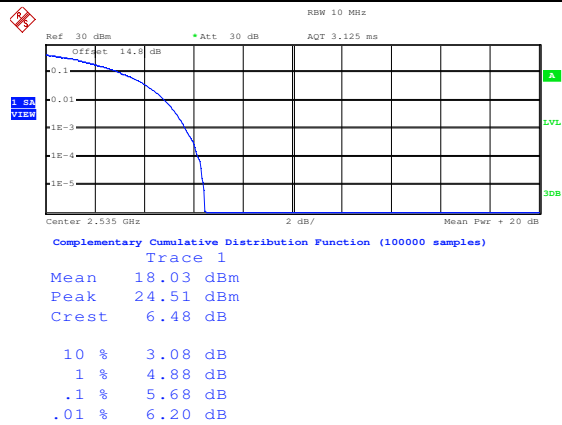
### QPSK Middle channel-36 RB offset 39



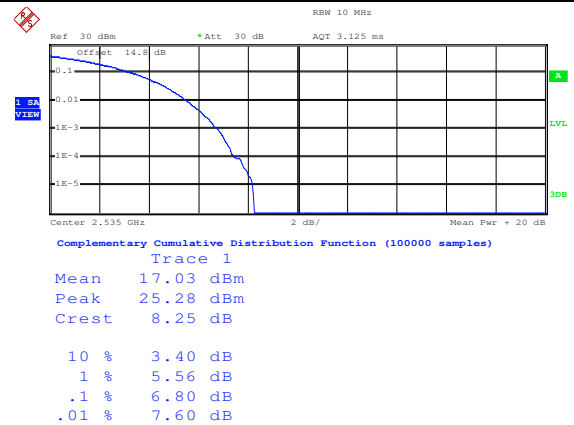
### 16QAM Middle channel-36 RB offset 39



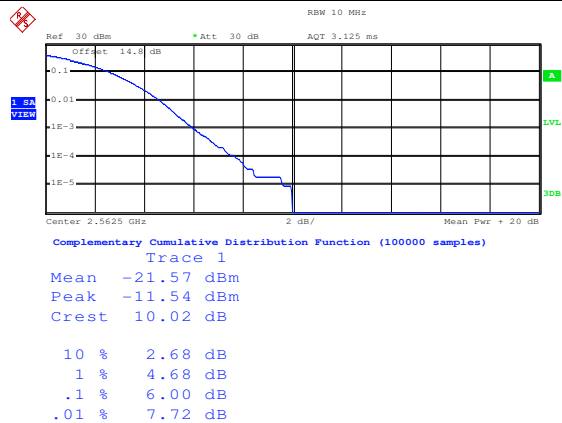
### QPSK Middle channel-75 RB offset 0



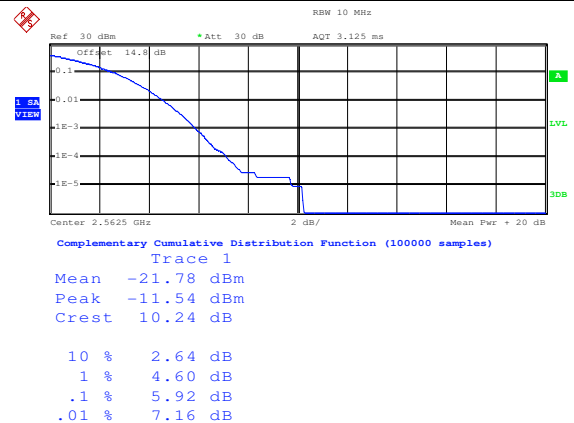
### 16QAM Middle channel-75 RB offset 0

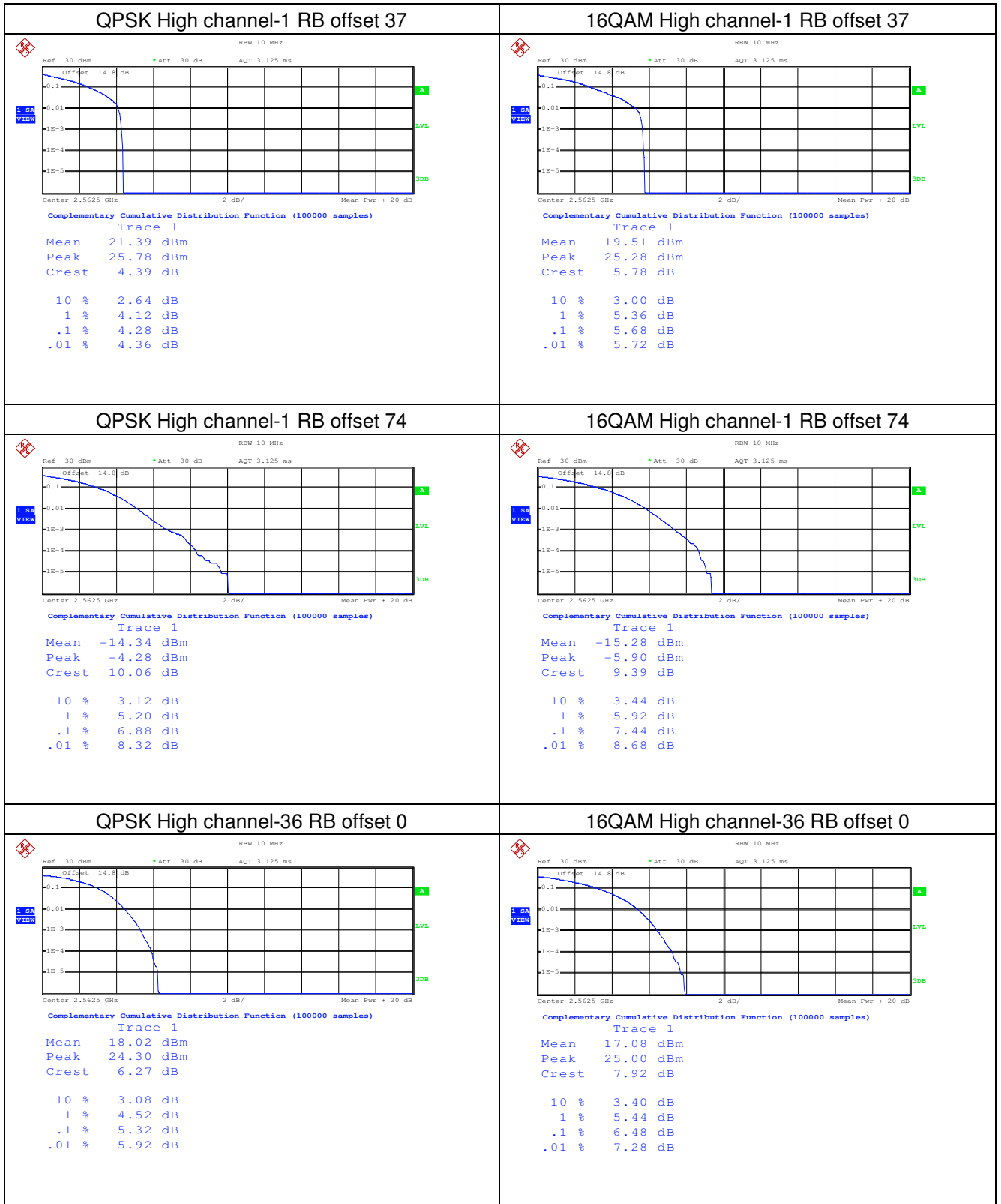


### QPSK High channel-1 RB offset 0



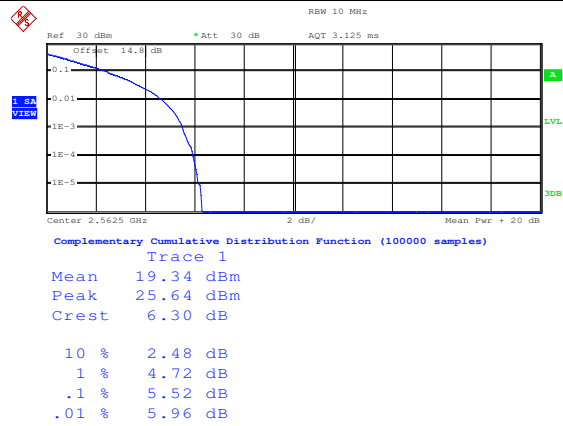
### 16QAM High channel-1 RB offset 0



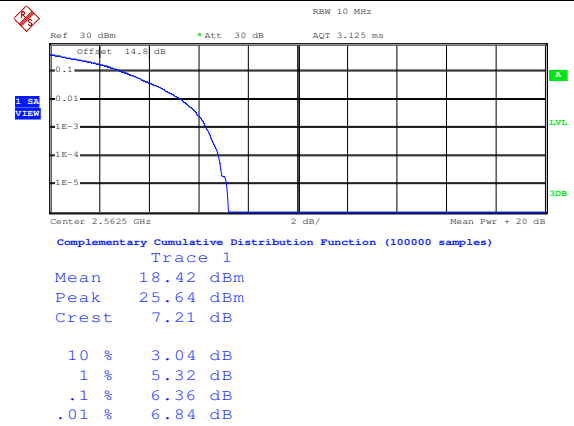




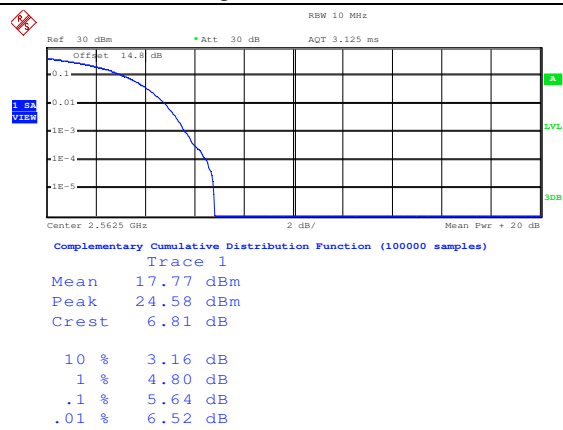
### QPSK High channel-36 RB offset 20



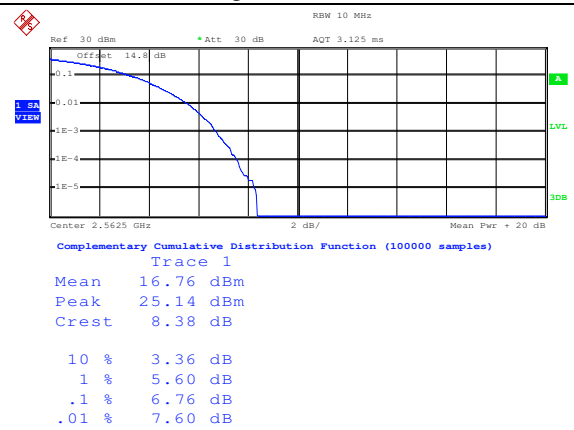
### 16QAM High channel-36 RB offset 20



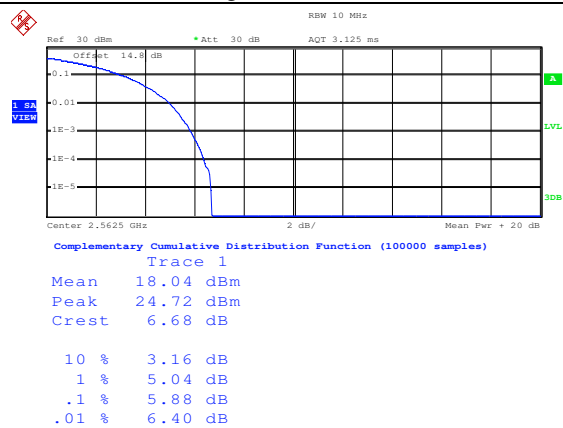
### QPSK High channel-36 RB offset 39



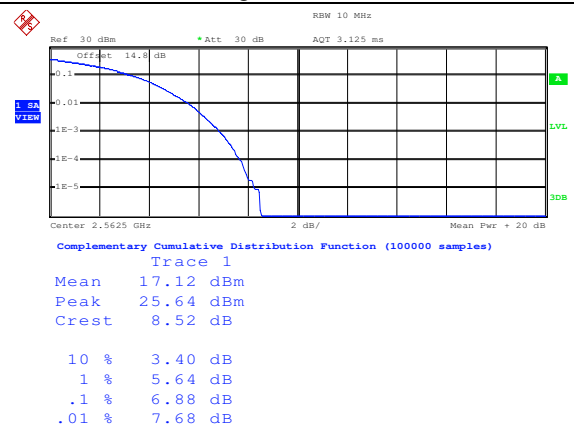
### 16QAM High channel-36 RB offset 39



### QPSK High channel-75 RB offset 0

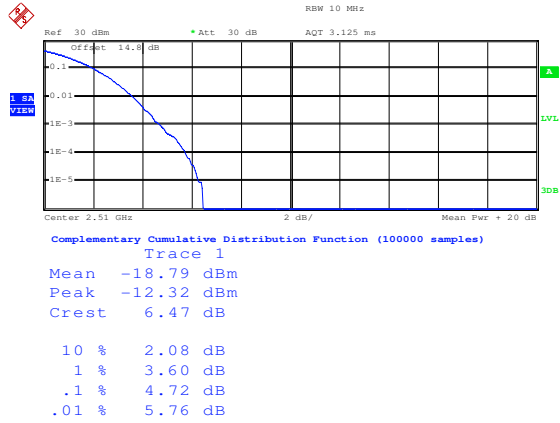


### 16QAM High channel-75 RB offset 0

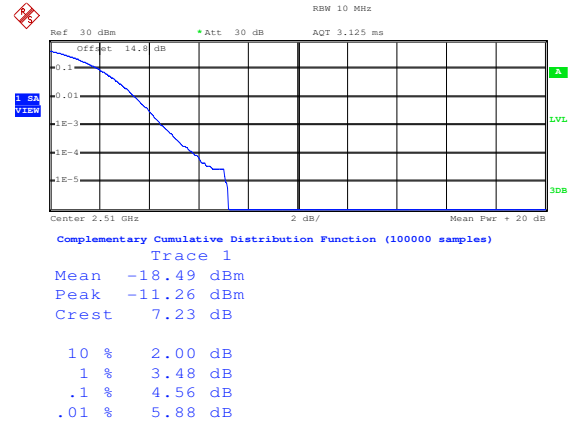


# LTE FDD Band 7, Nominal Bandwidth: 20MHz

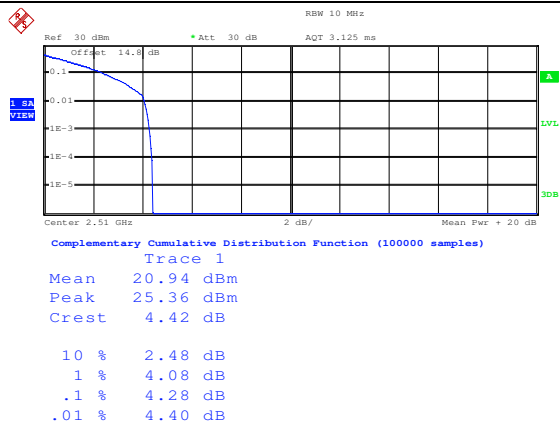
## QPSK Low channel-1 RB offset 0



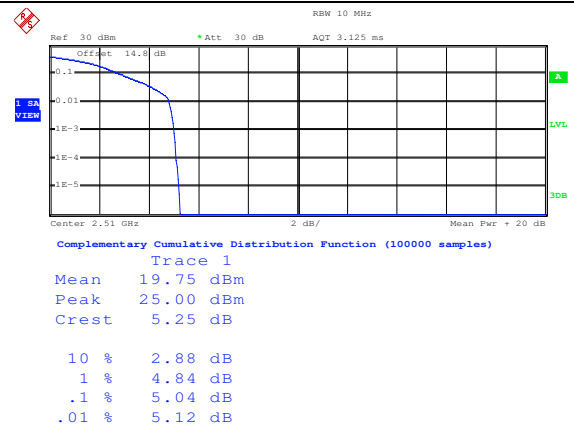
## 16QAM Low channel-1 RB offset 0



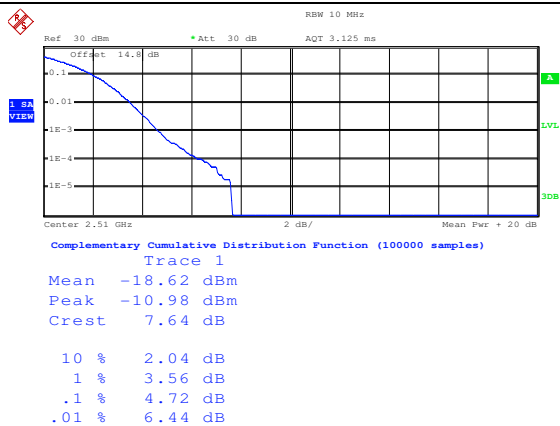
## QPSK Low channel-1 RB offset 50



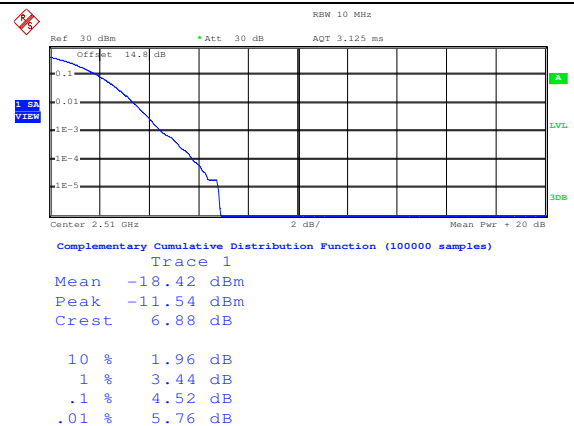
## 16QAM Low channel-1 RB offset 50



## QPSK Low channel-1 RB offset 99



## 16QAM Low channel-1 RB offset 99



Ref 30 dBm      \*Att 30 dB      AQT 3.125 ms

Offset 14.8 dB

1 SA View

Center 2.51 GHz      2 dB/      Mean Fw = 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	16.84 dBm
Peak	23.45 dBm
Crest	6.61 dB
10 %	3.16 dB
1 %	5.00 dB
.1 %	5.84 dB
.01 %	6.36 dB

Ref 30 dBm      Offset 14.8 dB      ACT 3,125 ms

1.6A V/div

Center 2.51 GHz      2 dB/      Mean Per + 20 dB

**Complementary Cumulative Distribution Function (100000 samples)**

Trace 1

Mean	16.04 dBm
Peak	24.09 dBm
Crest	8.04 dB

10 %	3.48 dB
1 %	5.48 dB
.1 %	6.56 dB
.01 %	7.32 dB

Ref 30 dBm      Offset 14.8 dB      Att 30 dB      AQT 3.125 ms      RBW 10 MHz

1 SA VIEW

A  
LVL  
3DB

Center 2.51 GHz      2 dB/      Mean Pwr + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	19.17 dBm
Peak	24.93 dBm
Crest	5.77 dB
10 %	2.56 dB
1 %	4.36 dB
.1 %	5.16 dB
.01 %	5.56 dB

1.6A VIEW

dBW 10 MHz

Ref 30 dBm Att 30 dB AQT 3.125 ms

Offset 14.0 dB

Center 2.53 GHz 2 dB/ Mean Pwr + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	18.38 dBm
Peak	25.43 dBm
Crest	7.05 dB

10 %	3.08 dB
1 %	5.00 dB
.1 %	5.96 dB
.01 %	6.56 dB

Ref 30 dBm      \*Att 30 dB      AQT 3.125 ms

Offset 14.8 dB

1. SA  
VIEW

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

Center 2.51 GHz      2 dB/      Mean Per + 20 dB

Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	16.95 dBm
Peak	24.65 dBm
Crest	7.70 dB
10 %	3.36 dB
1 %	5.48 dB
.1 %	6.44 dB
.01 %	7.04 dB

Ref 30 dBm Offset 14.8 dB Att 30 dB FREQ 10 MHz ACT 3.125 ms

Center 2.51 GHz 2 dB/ Mean Pwr + 20 dB

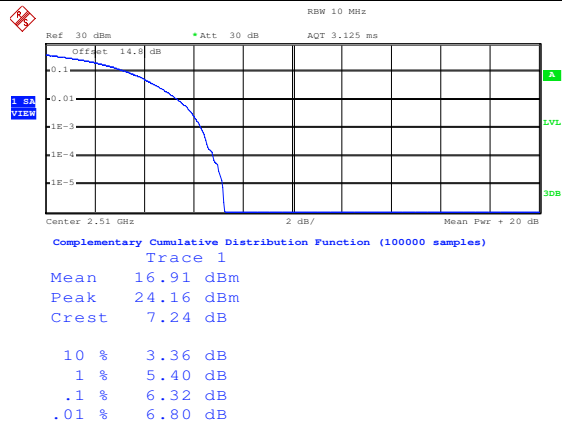
Complementary Cumulative Distribution Function (100000 samples)

Trace 1

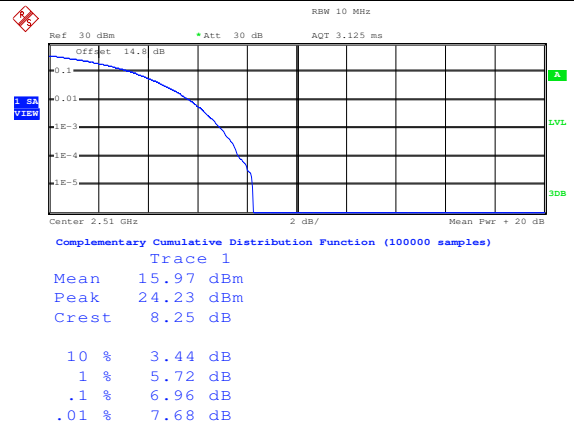
Mean	16.11 dBm
Peak	24.79 dBm
Crest	8.68 dB

10 %	3.44 dB
1 %	5.72 dB
.1 %	6.88 dB
.01 %	7.88 dB

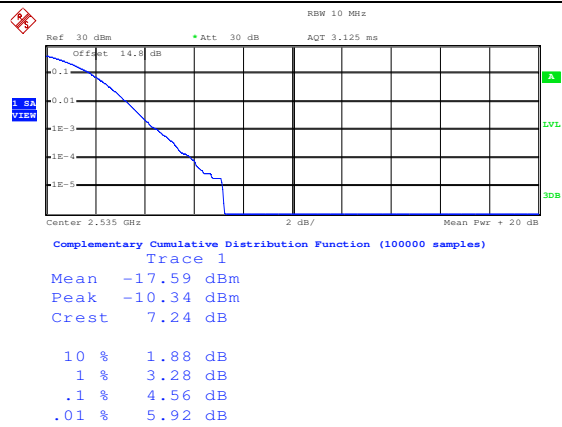
### QPSK Low channel-100 RB offset 0



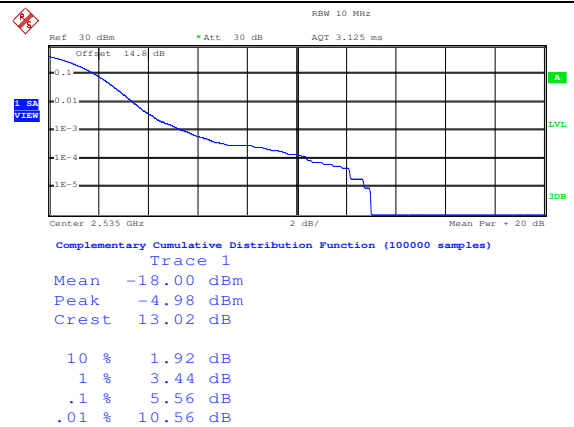
### 16QAM Low channel-100 RB offset 0



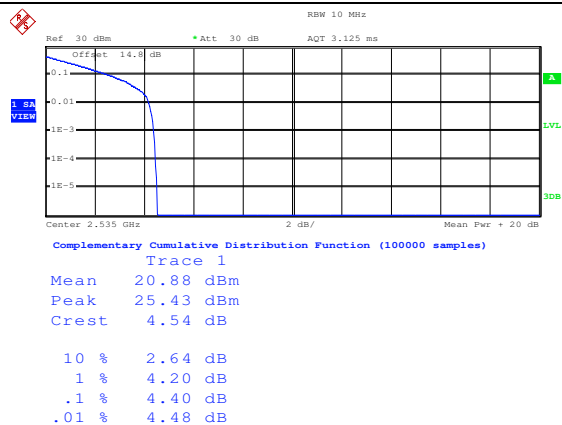
### QPSK Middle channel-1 RB offset 0



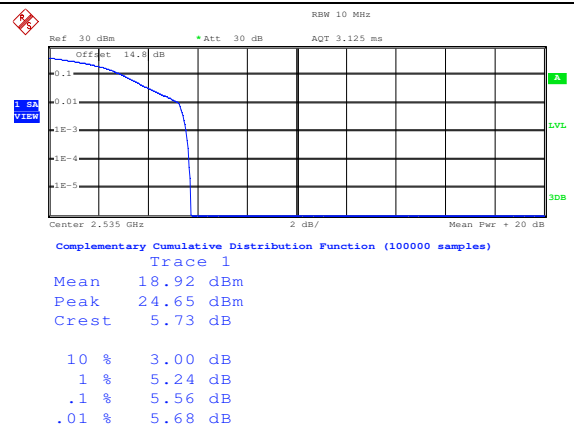
### 16QAM Middle channel-1 RB offset 0

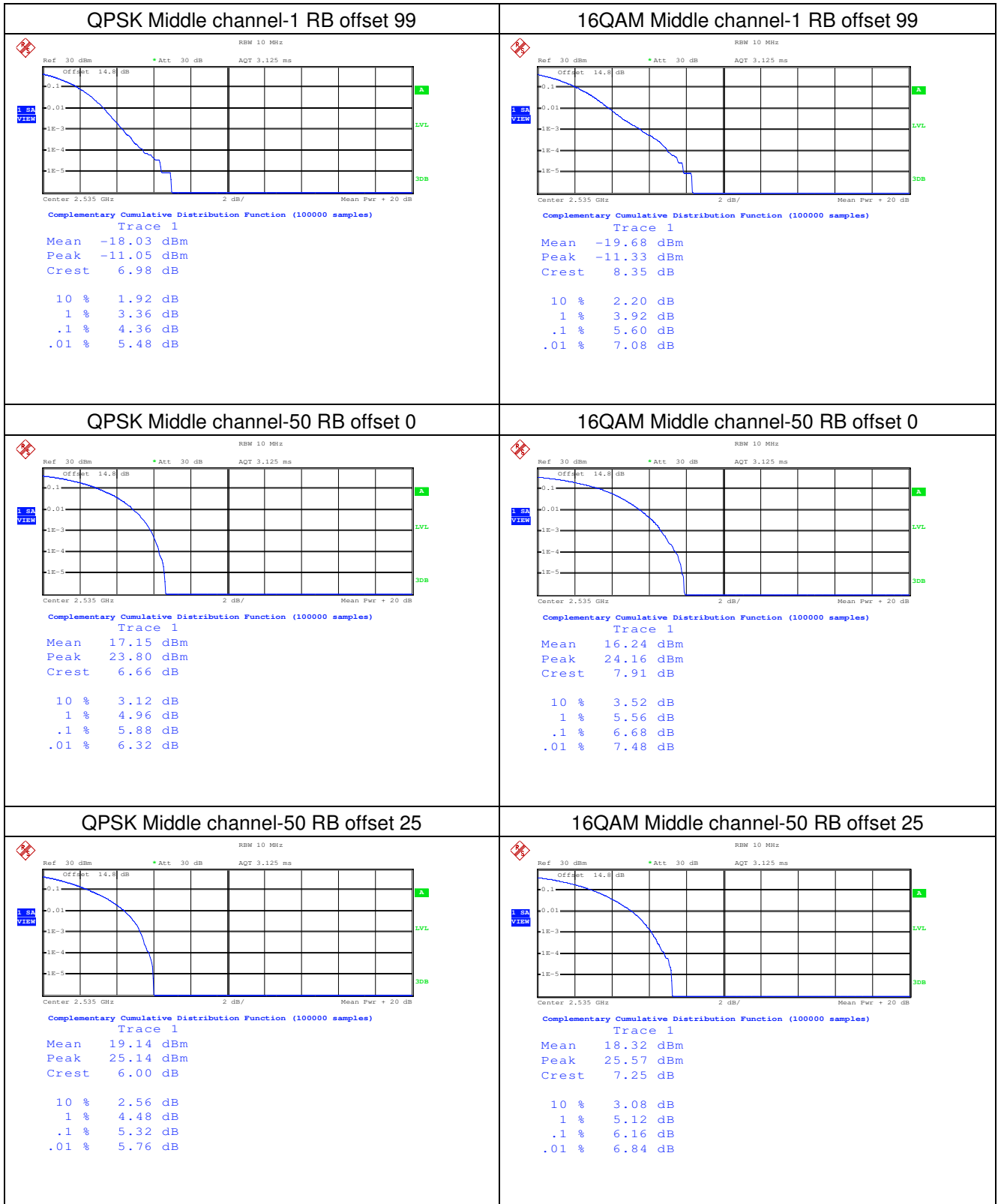


### QPSK Middle channel-1 RB offset 50

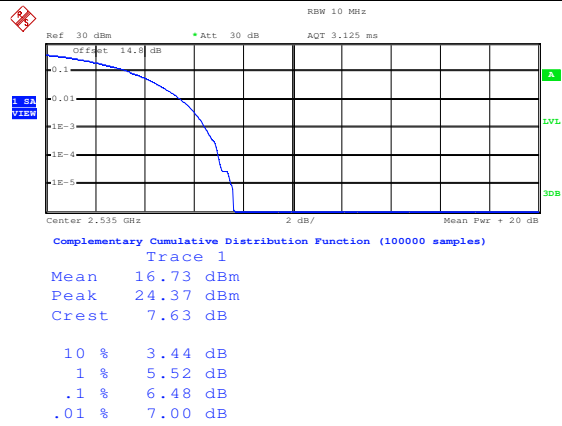


### 16QAM Middle channel-1 RB offset 50

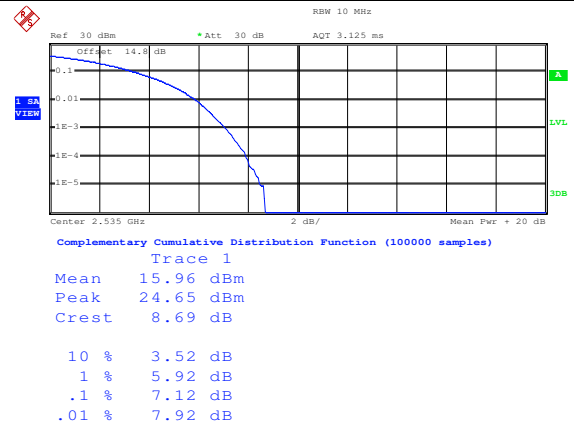




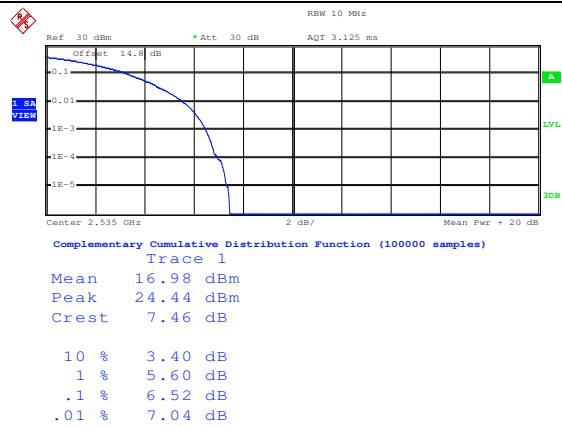
### QPSK Middle channel-50 RB offset 50



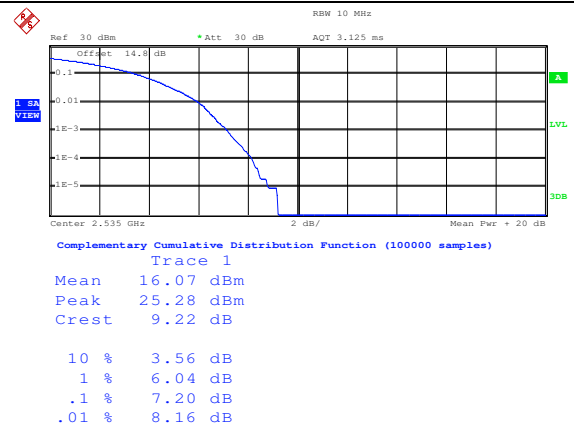
### 16QAM Middle channel-50 RB offset 50



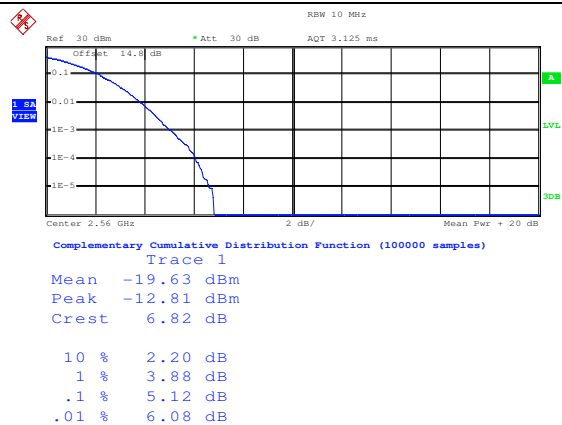
### QPSK Middle channel-100 RB offset 0



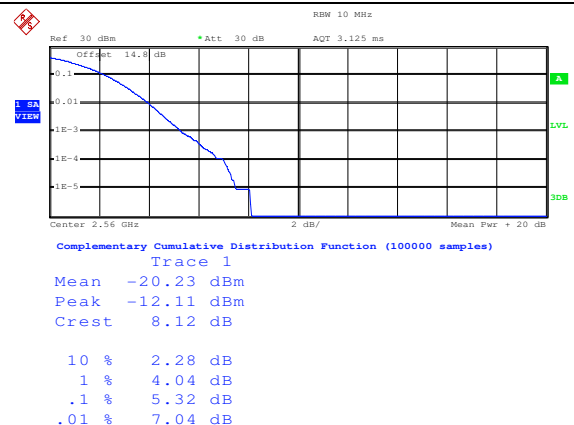
### 16QAM Middle channel-100 RB offset 0

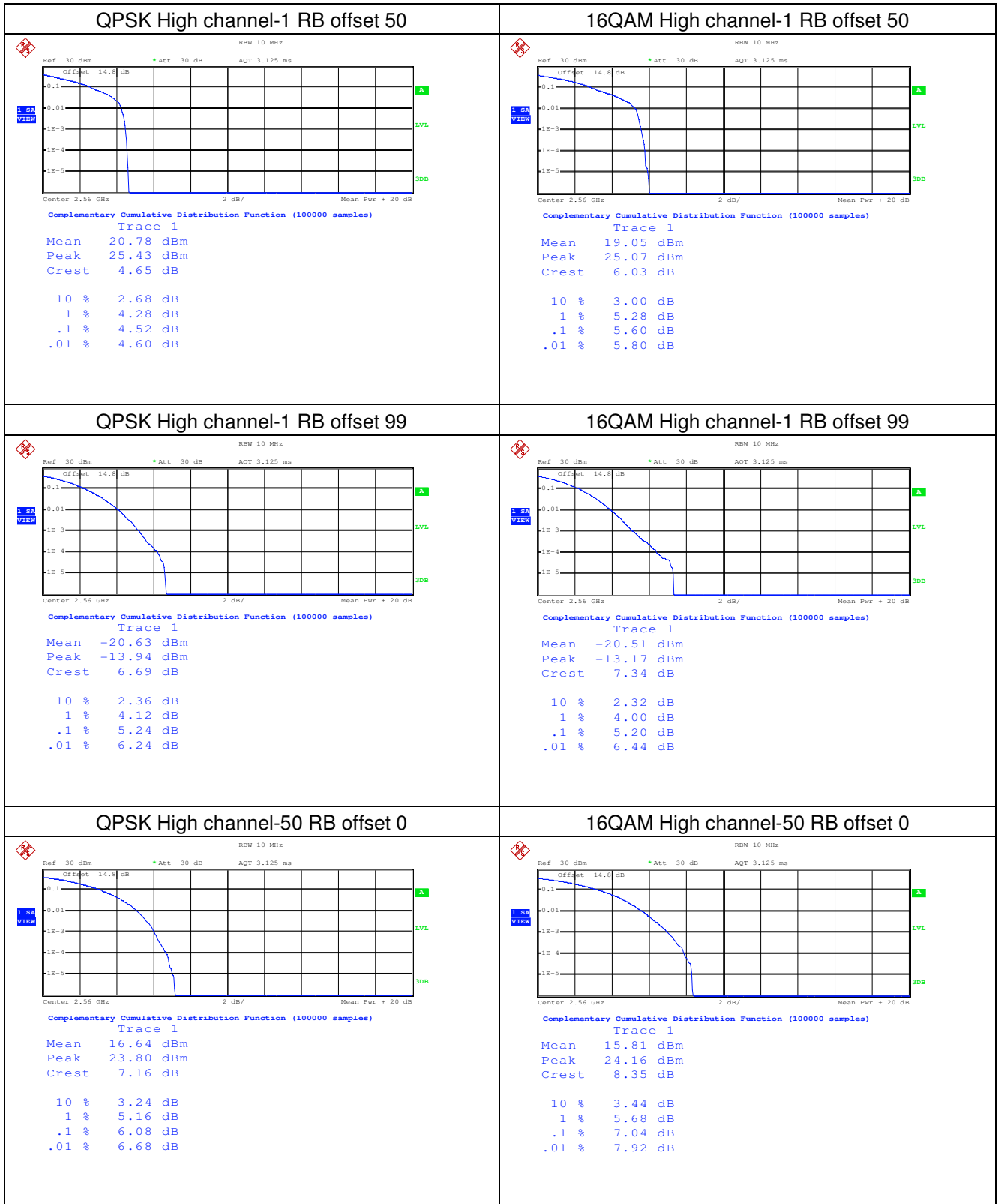


### QPSK High channel-1 RB offset 0

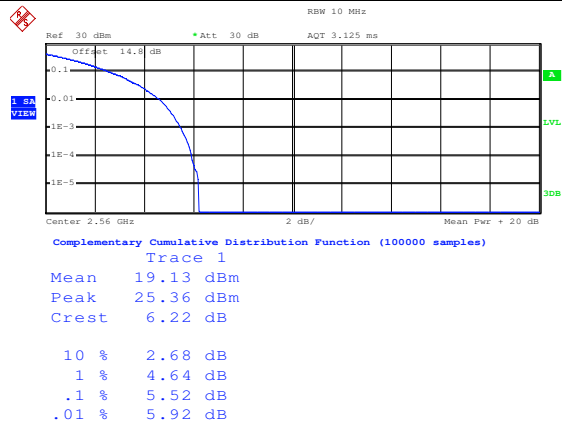


### 16QAM High channel-1 RB offset 0

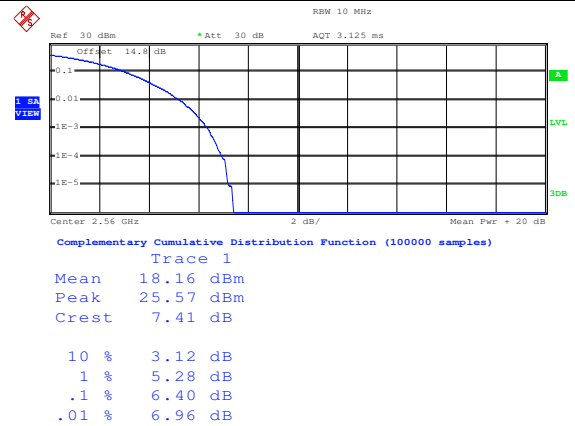




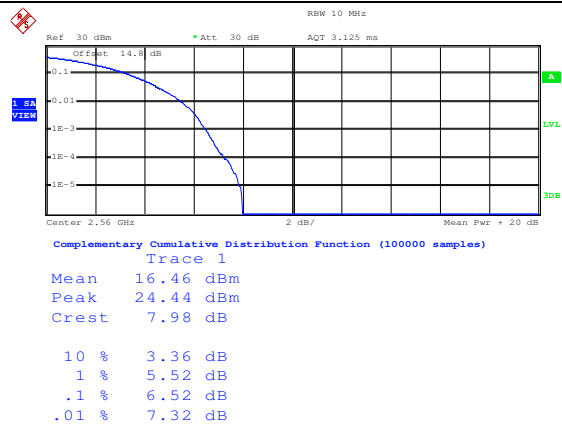
### QPSK High channel-50 RB offset 25



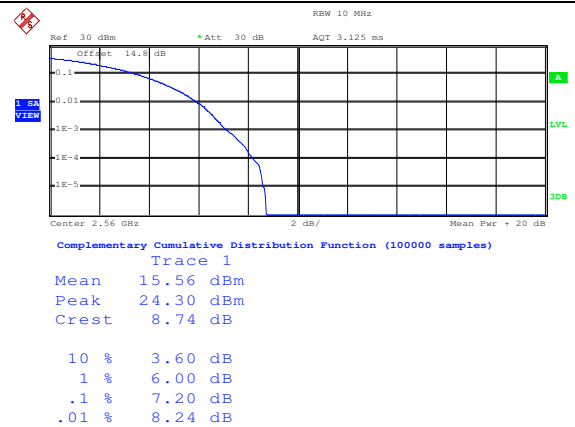
### 16QAM High channel-50 RB offset 25



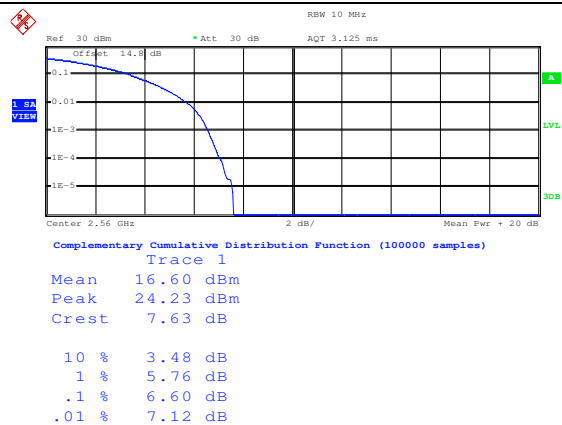
### QPSK High channel-50 RB offset 50



### 16QAM High channel-50 RB offset 50



### QPSK High channel-100 RB offset 0



### 16QAM High channel-100 RB offset 0

