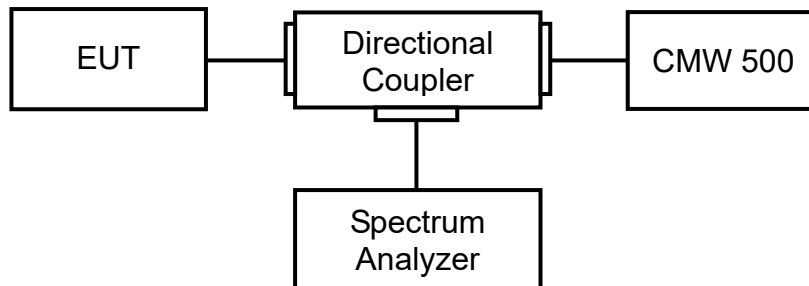


## 5. Peak To Average Ratio

### 5.1. Test Setup



### 5.2. Test Procedure

1. Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth.
2. Set the number of counts to a value that stabilizes the measured CCDF curve.
3. Record the maximum PAPR level associated with a probability of 0.1 %.

### 5.3. Test Method

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 5.7.2

ANSI C63.26: 2015 Sub-clause 5.2.3.4

### 5.4. Limit

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13dB.

## 5.5. Test Result

|              |                       |           |        |
|--------------|-----------------------|-----------|--------|
| Product      | LE910C4-NF            |           |        |
| Test Item    | Peak To Average Ratio |           |        |
| Test Mode    | Mode 1: LTE Band 2    |           |        |
| Date of Test | 2018/08/08            | Test Site | SR10-H |

### CH18607\_1.4M\_1RB2\_QPSK



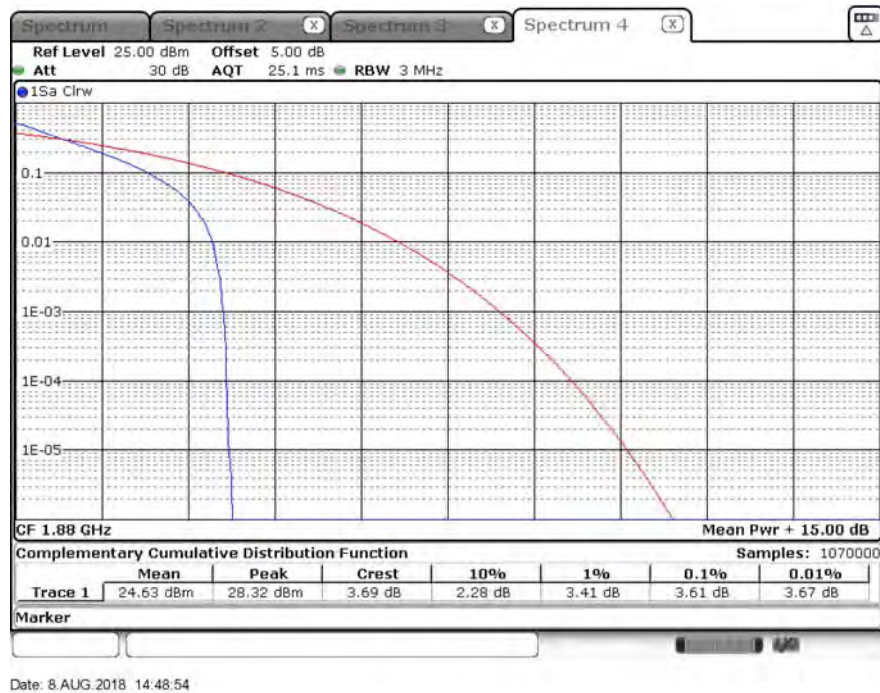
Date: 8 AUG.2018 14:47:46

### CH18607\_1.4M\_3RB1\_16-QAM

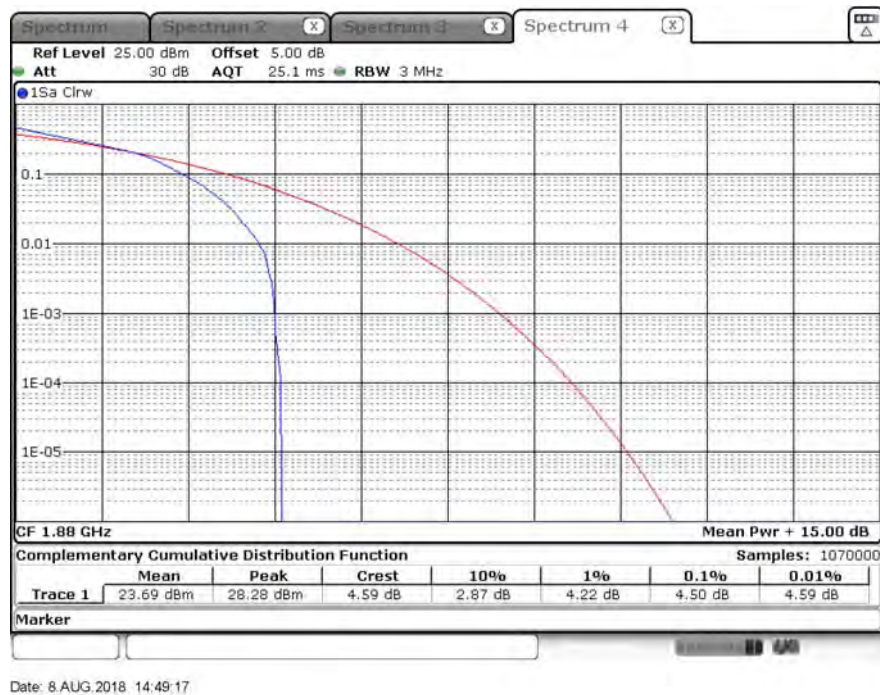


Date: 8 AUG.2018 14:48:22

## CH18900\_1.4M\_3RB2\_QPSK



## CH18900\_1.4M\_3RB1\_16-QAM

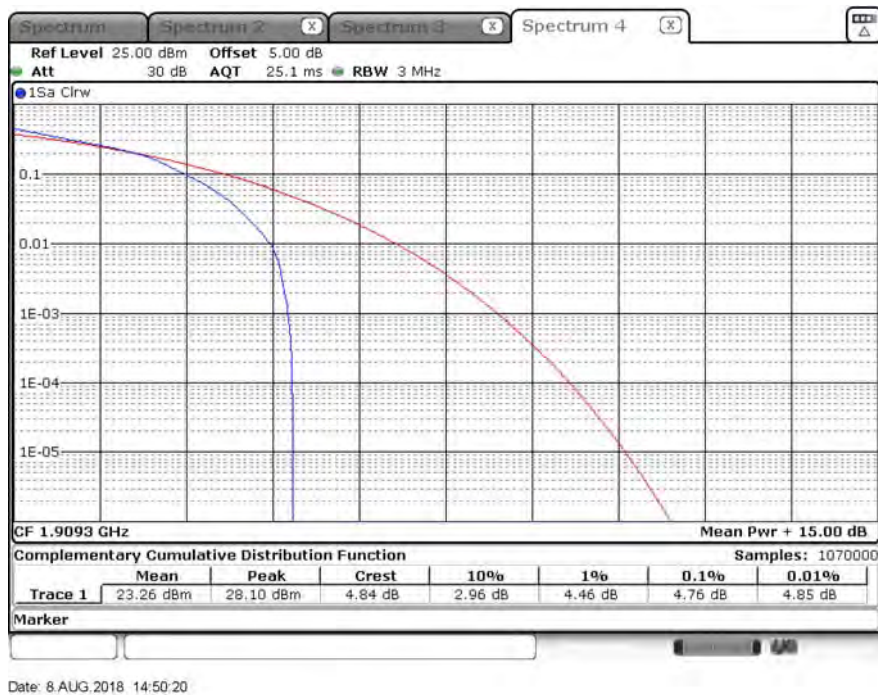




## CH19193\_1.4M\_1RB2\_QPSK



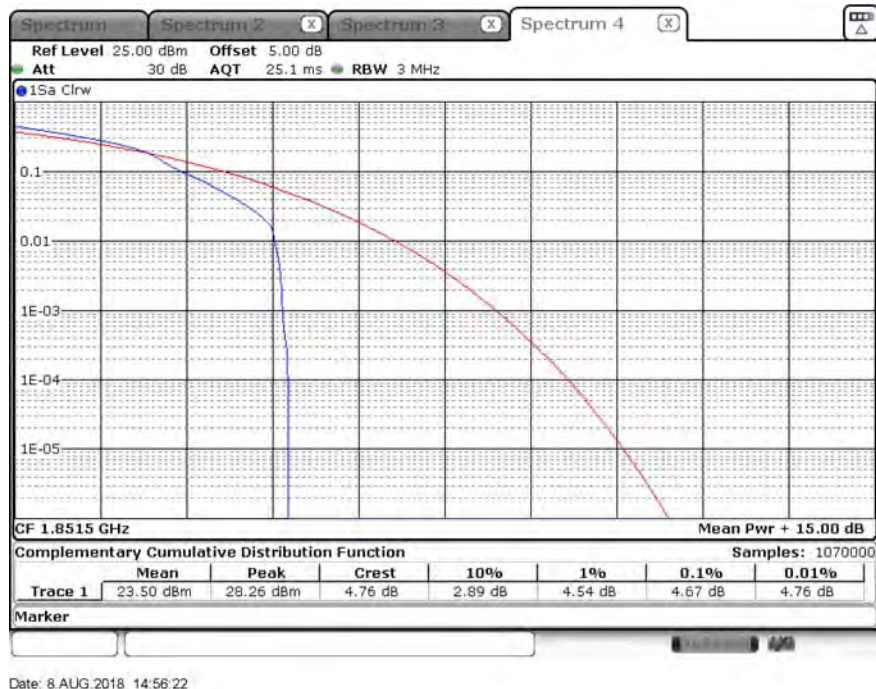
## CH19193\_1.4M\_3RB2\_16-QAM



## CH18615\_3M\_1RB7\_QPSK



## CH18615\_3M\_1RB7\_16-QAM





## CH18900\_3M\_1RB7\_QPSK



## CH18900\_3M\_1RB7\_16-QAM

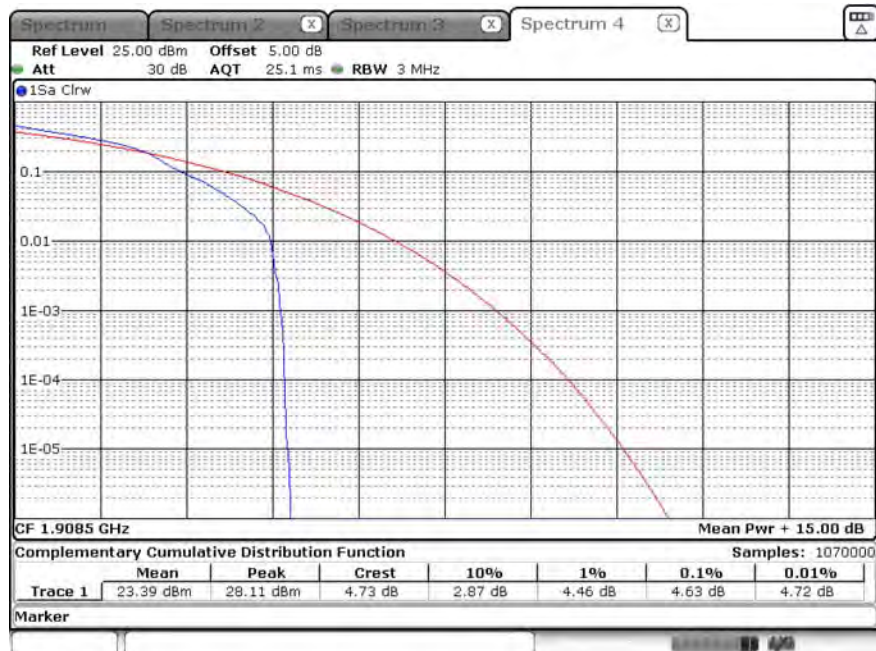


## CH19185\_3M\_1RB7\_QPSK



Date: 8.AUG.2018 15:01:28

## CH19185\_3M\_1RB7\_16-QAM

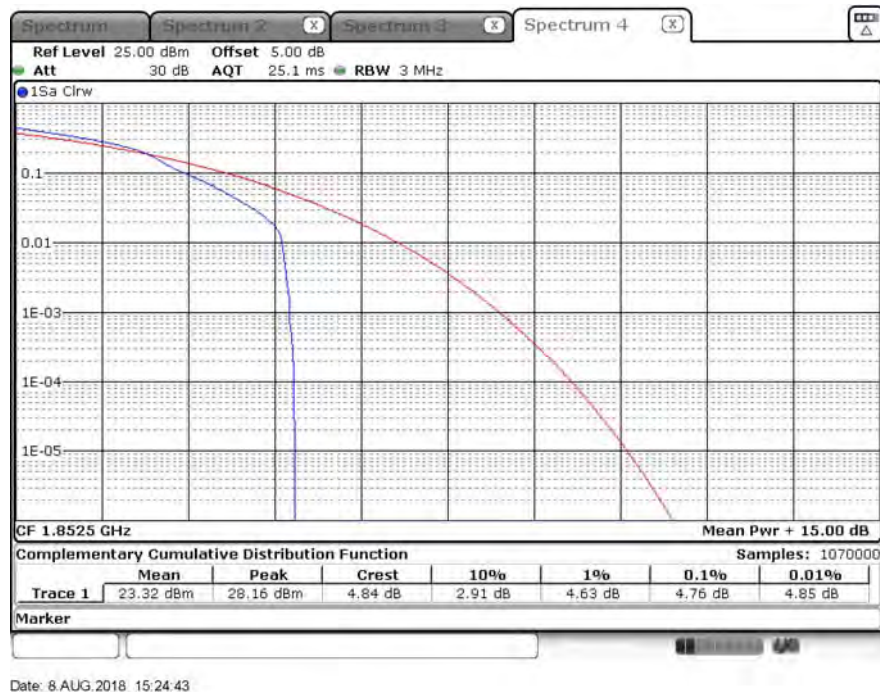


Date: 8.AUG.2018 15:01:57

## CH18625\_5M\_1RB12\_QPSK



## CH18625\_5M\_1RB12\_16-QAM





## CH18900\_5M\_1RB12\_QPSK



Date: 8.AUG.2018 15:25:45

## CH18900\_5M\_1RB12\_16-QAM



Date: 8.AUG.2018 15:26:51

## CH19175\_5M\_1RB0\_QPSK



Date: 8 AUG. 2018 15:28:17

## CH19175\_5M\_1RB12\_16-QAM



Date: 8 AUG. 2018 15:29:33



## CH18650\_10M\_1RB49\_QPSK



Date: 8 AUG 2018 15:32:25

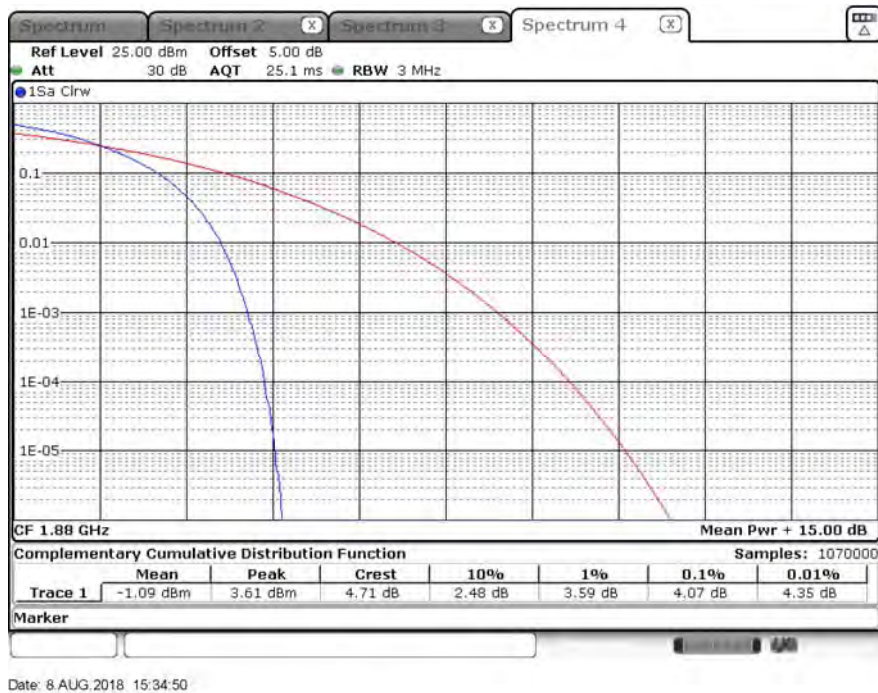
## CH18650\_10M\_1RB49\_16-QAM



Date: 8 AUG 2018 15:33:36



## CH18900\_10M\_1RB0\_QPSK



## CH18900\_10M\_1RB24\_16-QAM



## CH19150\_10M\_1RB0\_QPSK



Date: 8 AUG 2018 15:37:51

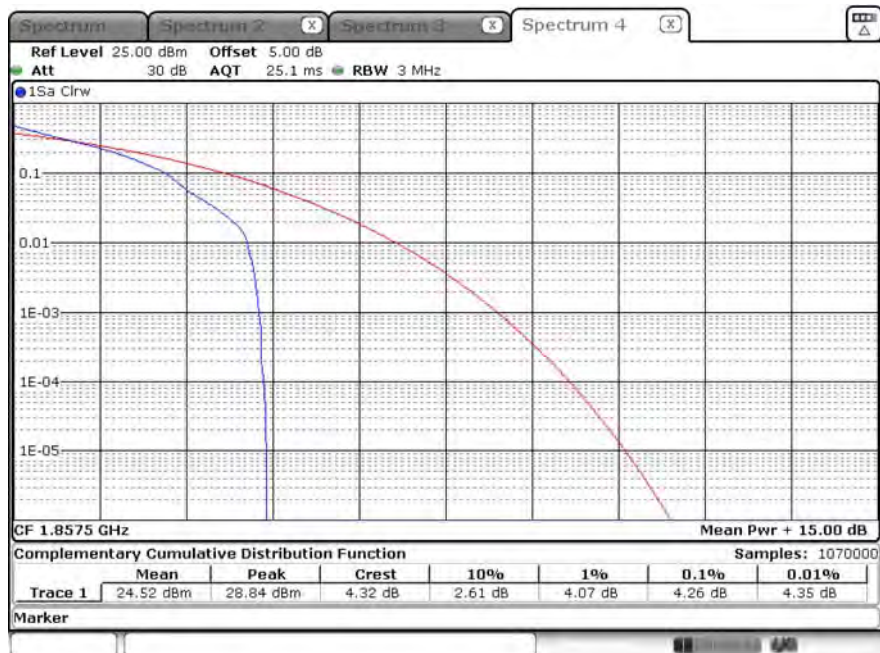
## CH19150\_10M\_1RB0\_16-QAM



Date: 8 AUG 2018 15:38:54



## CH18675\_15M\_1RB37\_QPSK



Date: 8.AUG.2018 15:40:21

## CH18675\_15M\_1RB37\_16-QAM



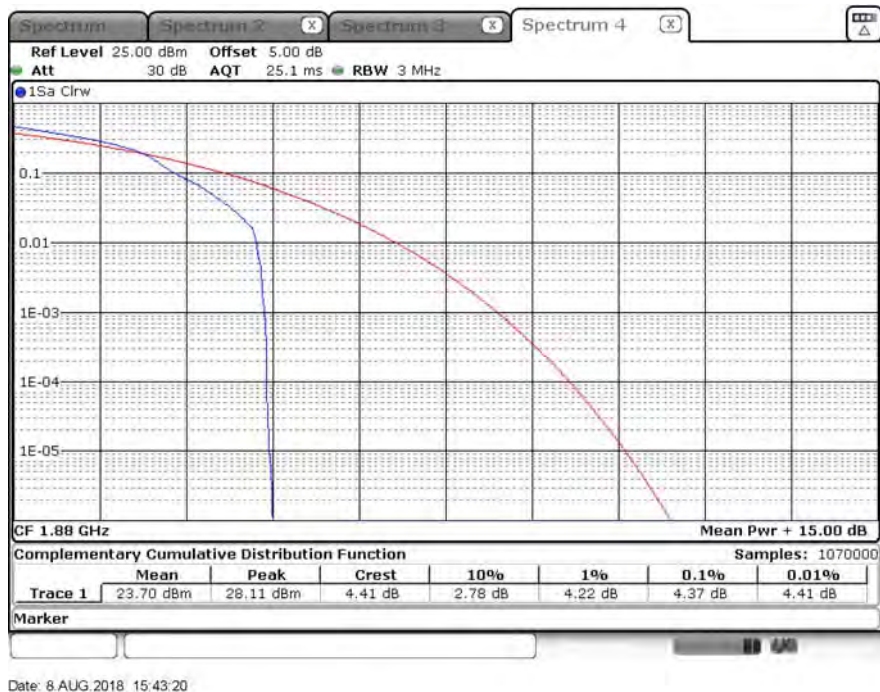
Date: 8.AUG.2018 15:41:26



## CH18900\_15M\_1RB37\_QPSK



## CH18900\_15M\_1RB37\_16-QAM



## CH19125\_15M\_1RB37\_QPSK



Date: 8.AUG.2018 15:46:13

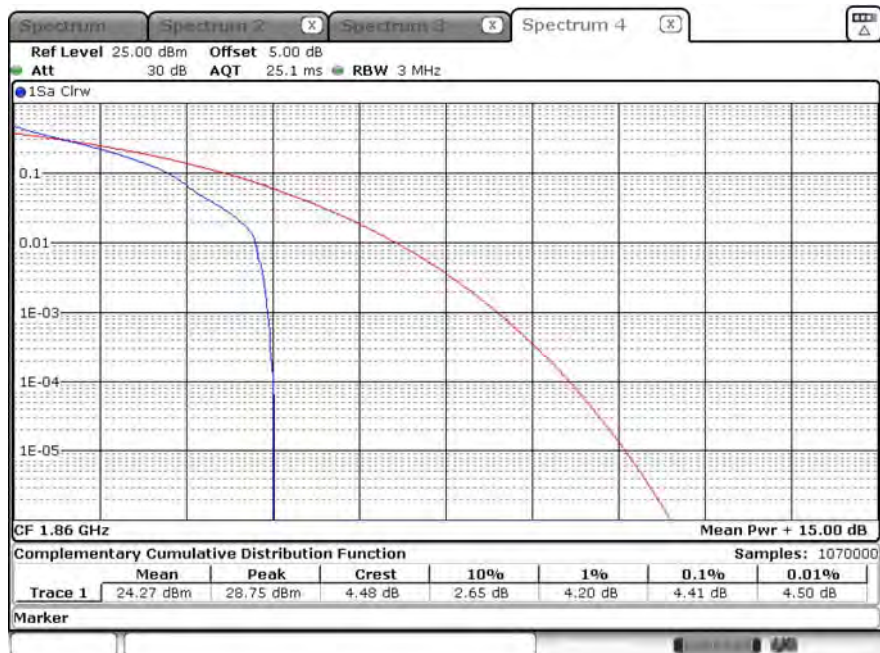
## CH19125\_15M\_1RB37\_16-QAM



Date: 8.AUG.2018 15:45:23



## CH18700\_20M\_1RB49\_QPSK



Date: 8.AUG.2018 15:48:20

## CH18700\_20M\_1RB99\_16-QAM



Date: 8.AUG.2018 15:50:08



## CH18900\_20M\_1RB49\_QPSK



## CH18900\_20M\_1RB49\_16-QAM



## CH19100\_20M\_1RB0\_QPSK



Date: 8.AUG.2018 15:53:14

## CH19100\_20M\_1RB0\_16-QAM



Date: 8.AUG.2018 15:53:51



|              |                       |           |        |
|--------------|-----------------------|-----------|--------|
| Product      | LE910C4-NF            |           |        |
| Test Item    | Peak To Average Ratio |           |        |
| Test Mode    | Mode 2: LTE Band 4    |           |        |
| Date of Test | 2018/08/08            | Test Site | SR10-H |

**CH19957\_1.4M\_1RB2\_QPSK**

Date: 8 AUG.2018 15:55:27

**CH19957\_1.4M\_3RB2\_16-QAM**

Date: 8 AUG 2018 15:56:58



## CH20175\_1.4M\_1RB2\_QPSK



Date: 8.AUG.2018 16:05:32

## CH20175\_1.4M\_3RB2\_16-QAM

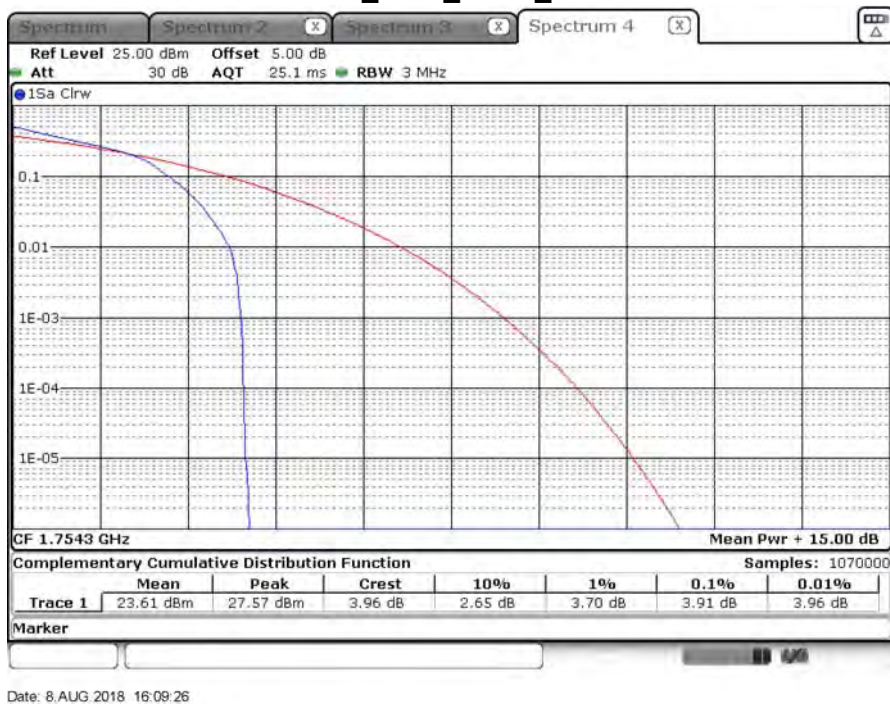


Date: 8.AUG.2018 16:06:18

## CH20393\_1.4M\_1RB2\_QPSK



## CH20393\_1.4M\_3RB1\_16-QAM





## CH19965\_3M\_1RB7\_QPSK



Date: 8.AUG.2018 16:12:29

## CH19965\_3M\_1RB7\_16-QAM



Date: 8.AUG.2018 16:15:41

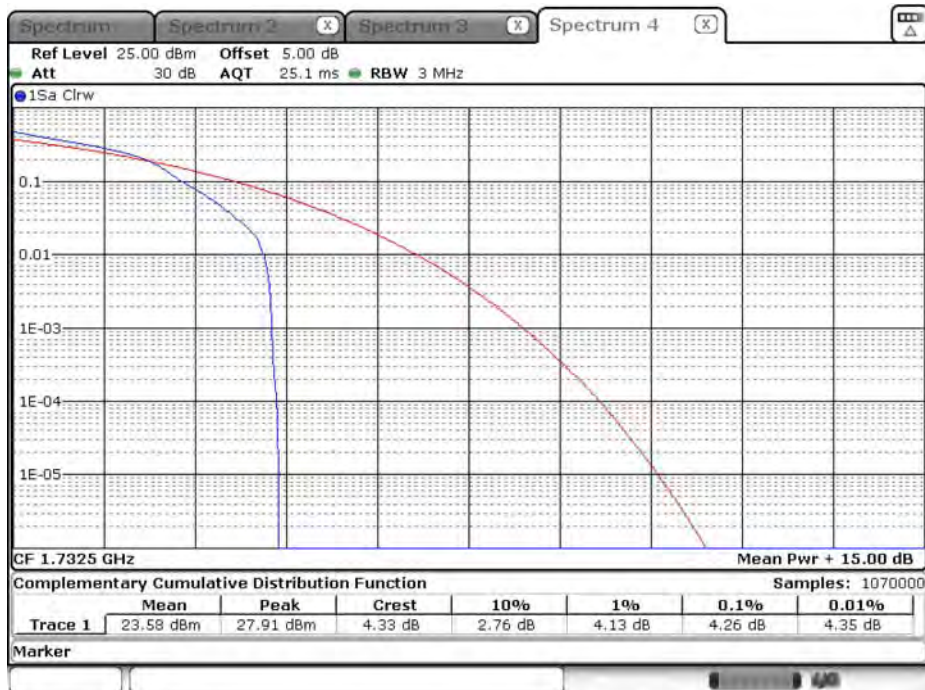


## CH20175\_3M\_1RB7\_QPSK



Date: 8.AUG.2018 16:19:47

## CH20175\_3M\_1RB7\_16-QAM



Date: 8.AUG.2018 16:21:04

## CH20385\_3M\_1RB7\_QPSK



Date: 8.AUG.2018 16:24:10

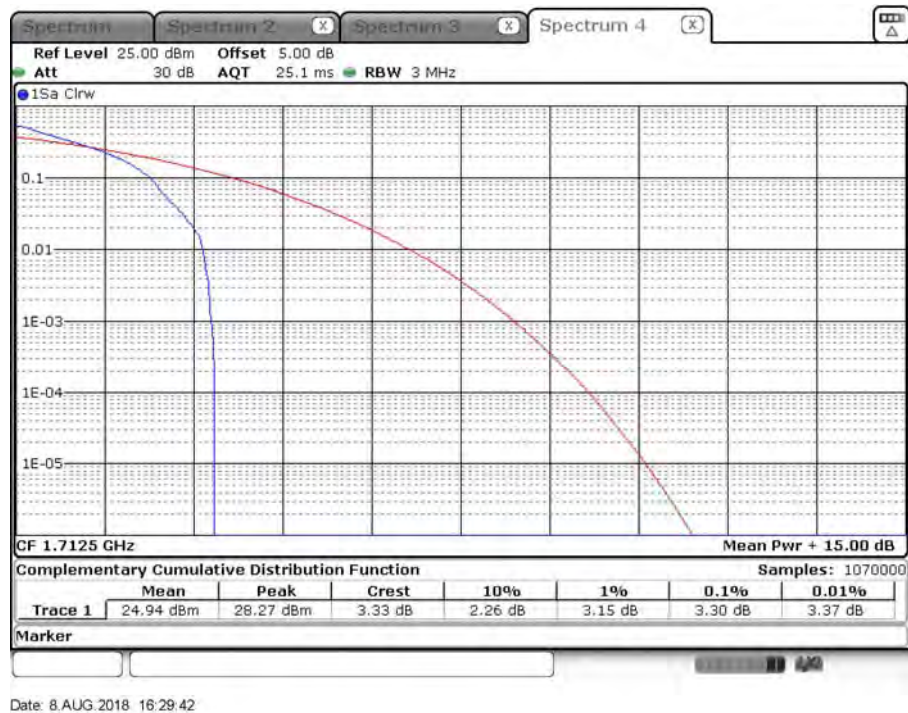
## CH20385\_3M\_1RB7\_16-QAM



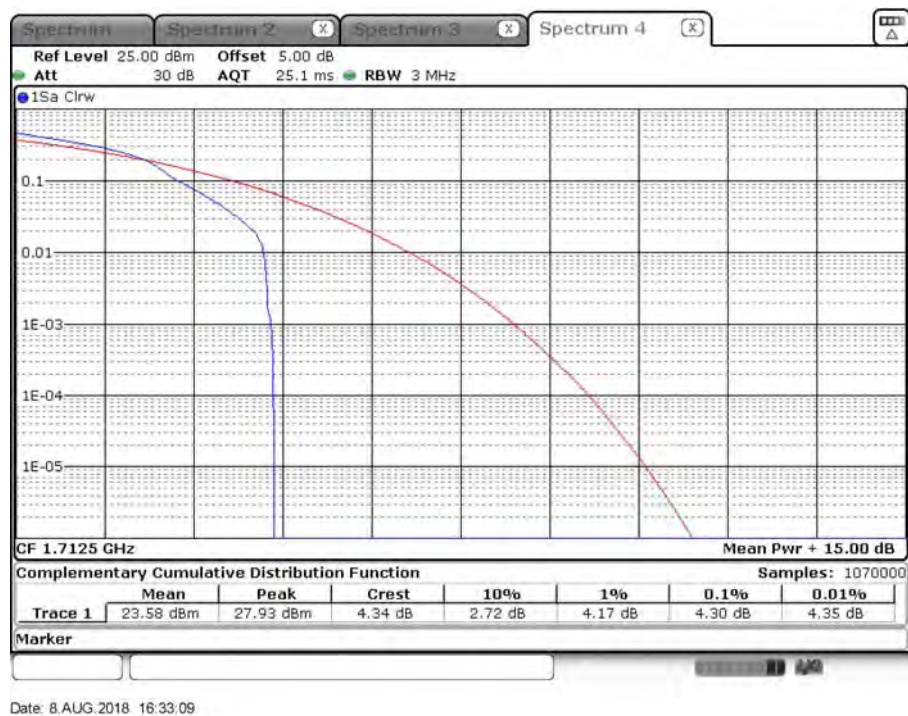
Date: 8.AUG.2018 16:24:52



## CH19975\_5M\_1RB12\_QPSK



## CH19975\_5M\_1RB12\_16-QAM





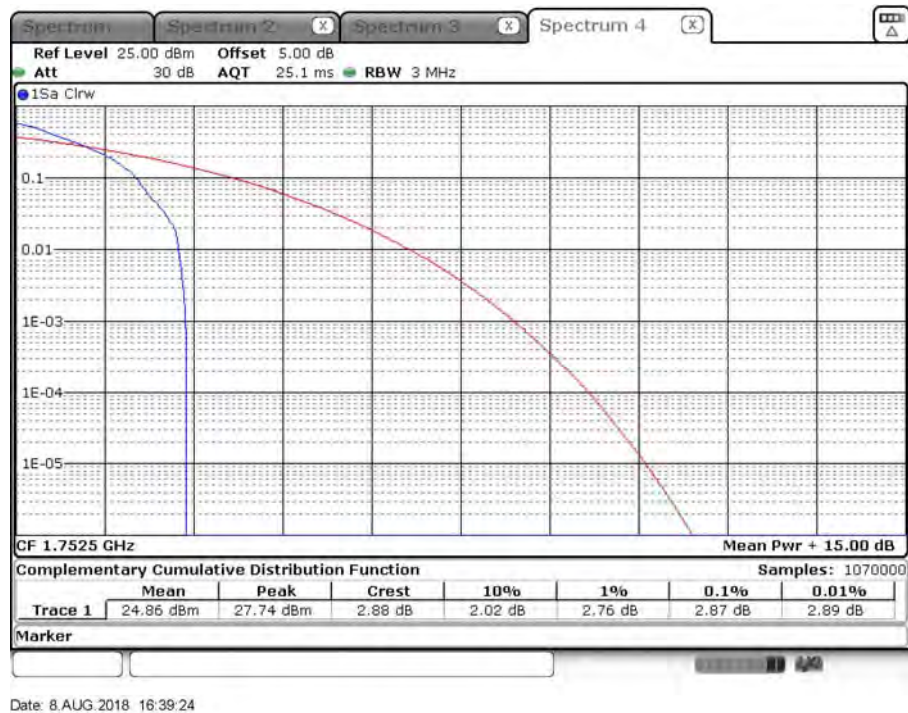
## CH20175\_5M\_1RB12\_QPSK



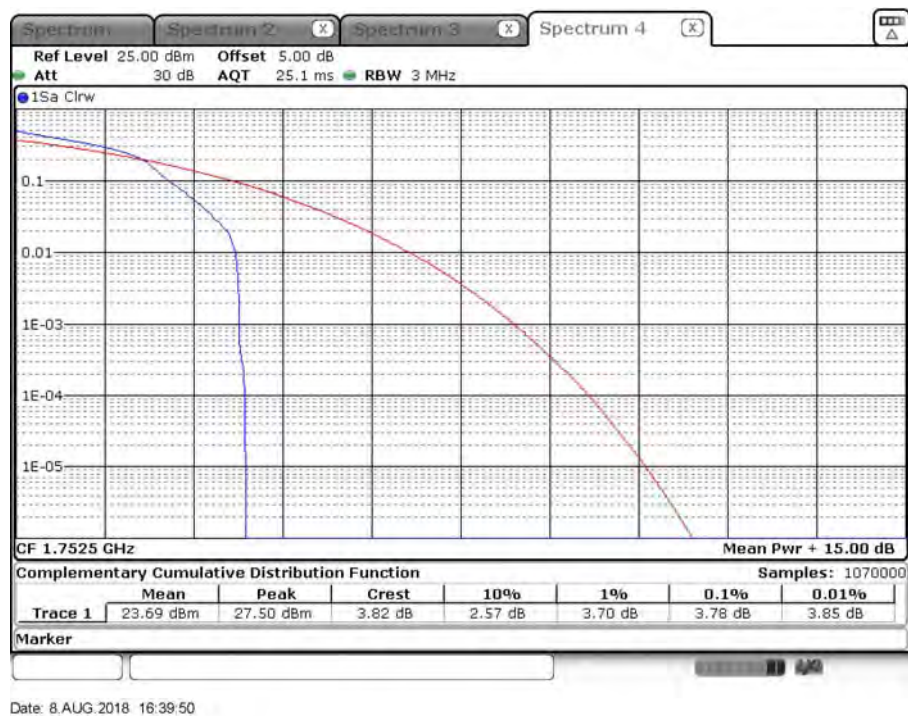
## CH20175\_5M\_1RB12\_16-QAM



## CH20375\_5M\_1RB12\_QPSK



## CH20375\_5M\_1RB12\_16-QAM





## CH20000\_10M\_1RB24\_QPSK



Date: 8.AUG.2018 16:42:40

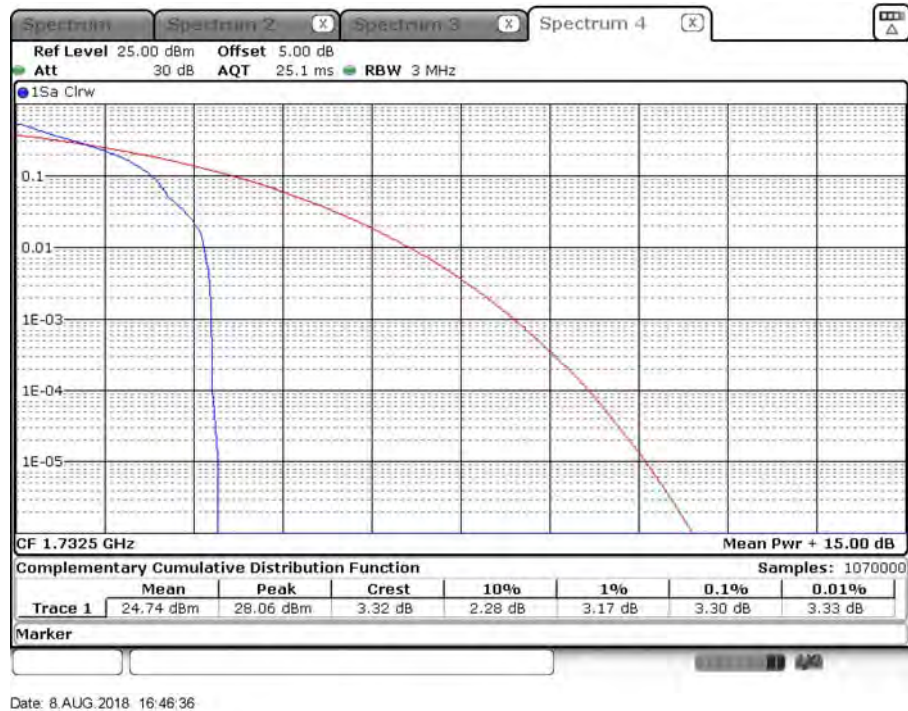
## CH20000\_10M\_1RB49\_16-QAM



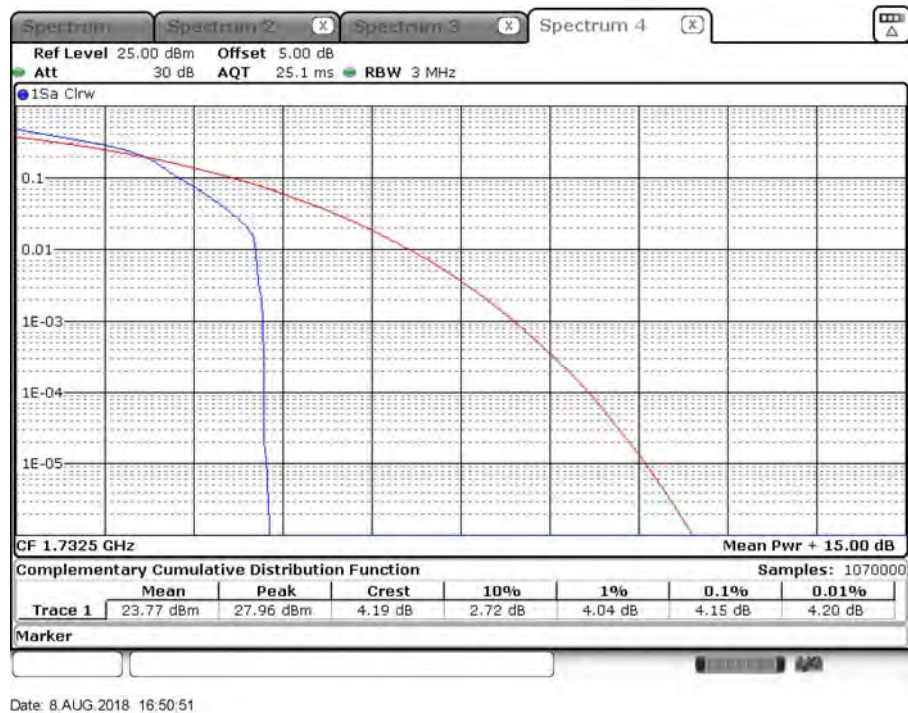
Date: 8.AUG.2018 16:44:51



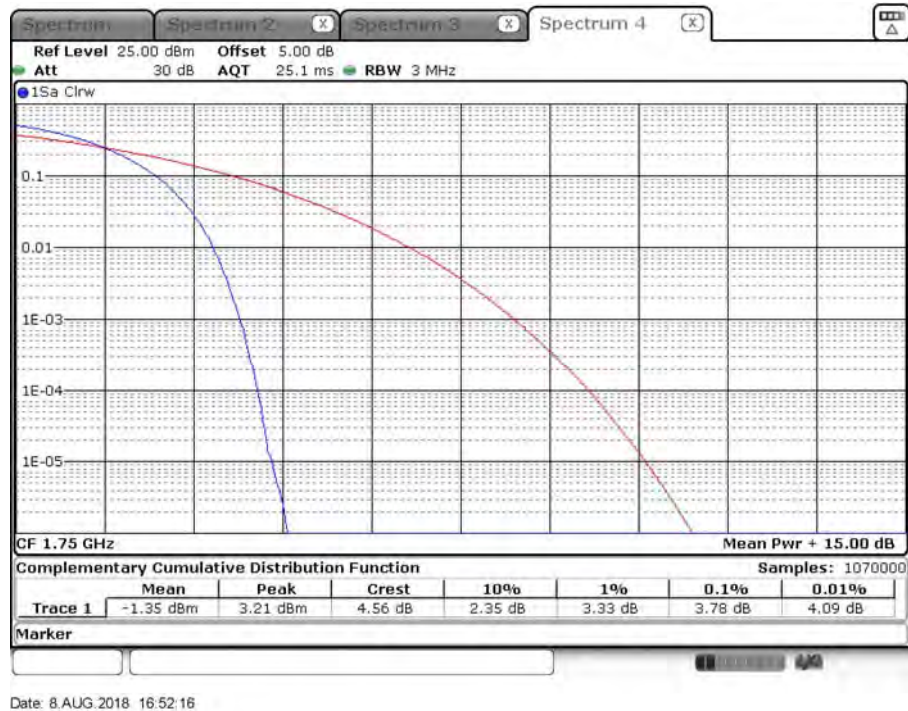
## CH20175\_10M\_1RB24\_QPSK



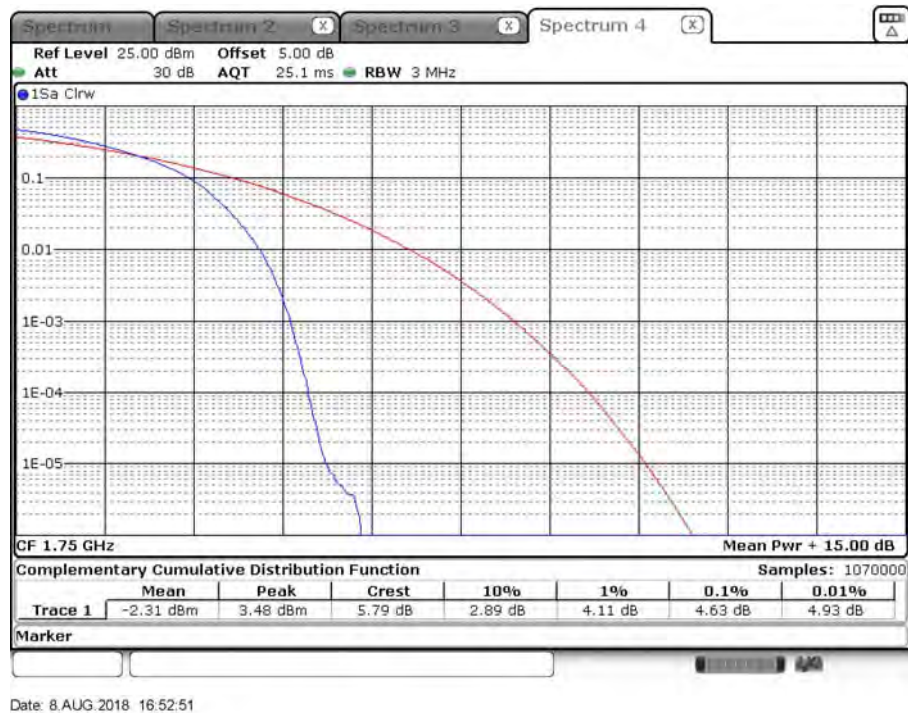
## CH20175\_10M\_1RB24\_16-QAM



## CH20350\_10M\_1RB0\_QPSK



## CH20350\_10M\_1RB0\_16-QAM





## CH20025\_15M\_1RB37\_QPSK



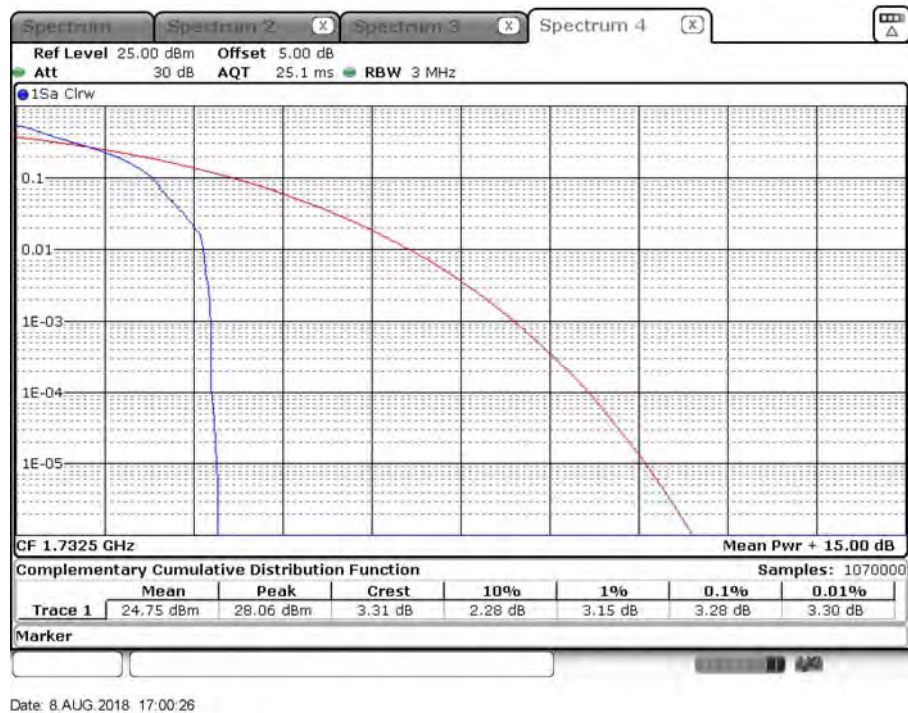
Date: 8.AUG.2018 16:57:01

## CH20025\_15M\_1RB37\_16-QAM

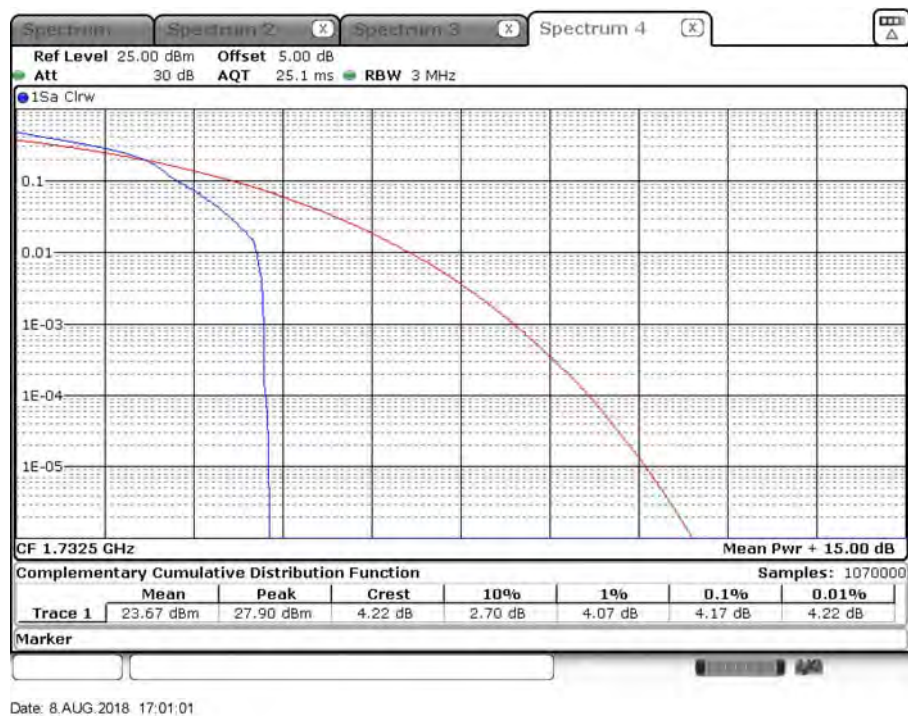


Date: 8.AUG.2018 16:57:26

## CH20175\_15M\_1RB37\_QPSK



## CH20175\_15M\_1RB37\_16-QAM





## CH20325\_15M\_1RB37\_QPSK



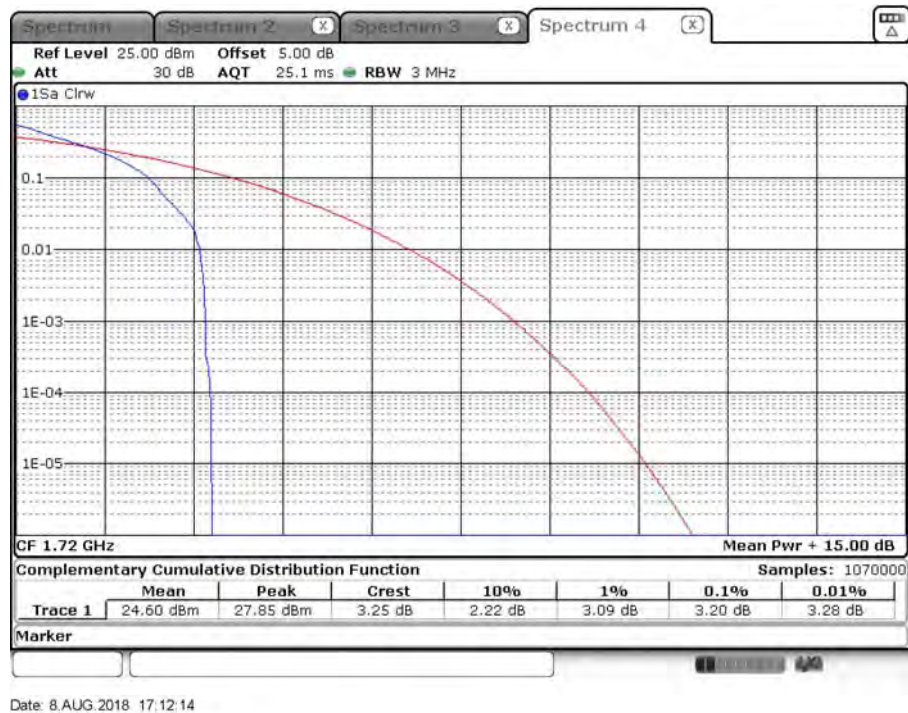
Date: 8.AUG.2018 17:01:59

## CH20325\_15M\_1RB37\_16-QAM

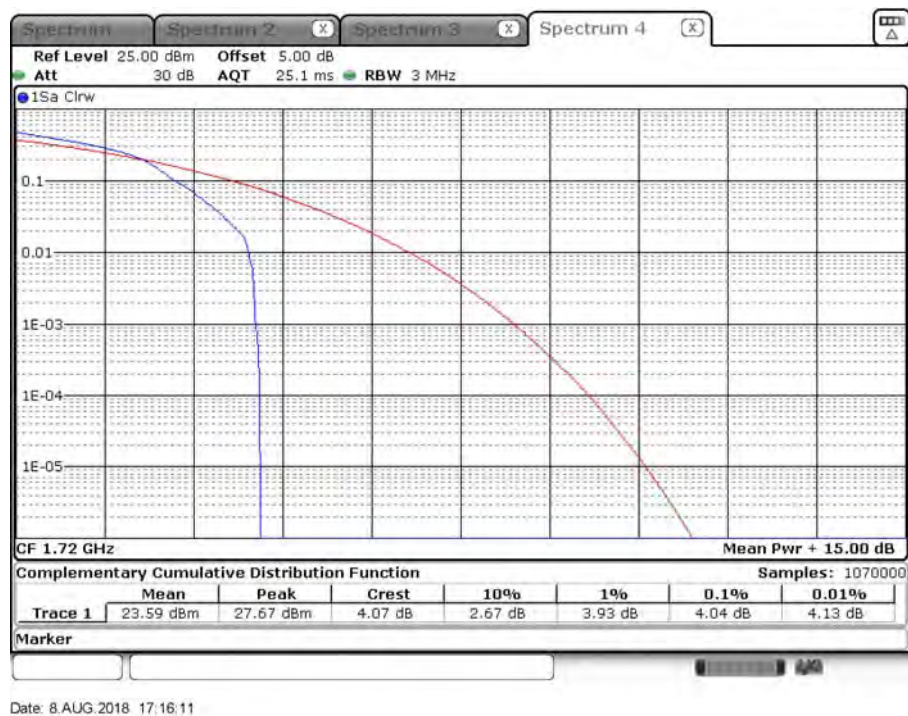


Date: 8.AUG.2018 17:02:33

## CH20050\_20M\_1RB49\_QPSK



## CH20050\_20M\_1RB49\_16-QAM





## CH20175\_20M\_1RB49\_QPSK



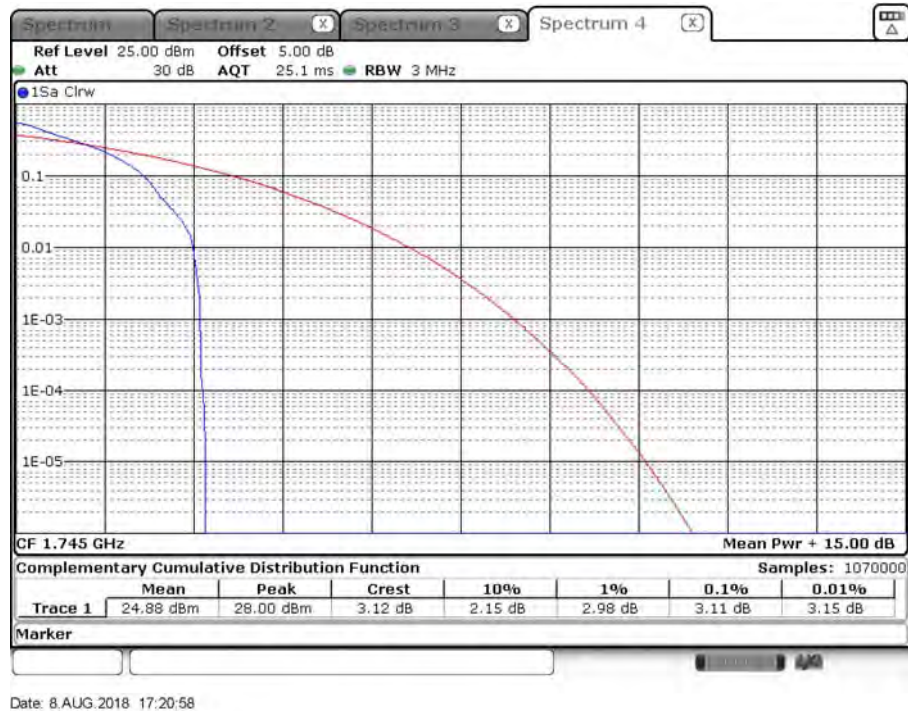
Date: 8.AUG.2018 17:17:27

## CH20175\_20M\_1RB49\_16-QAM

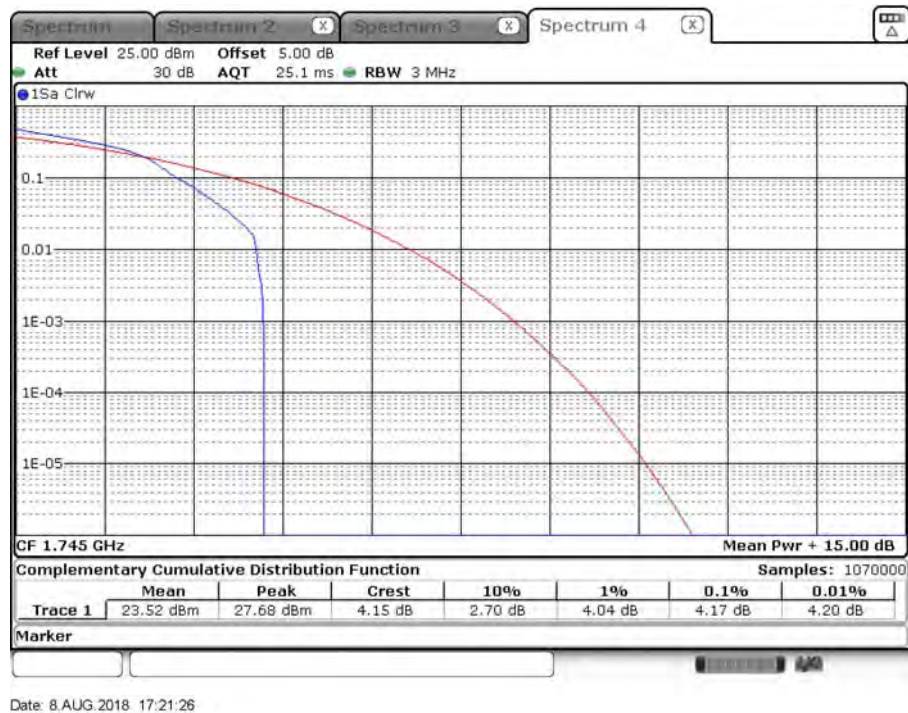


Date: 8.AUG.2018 17:19:20

## CH20300\_20M\_1RB49\_QPSK

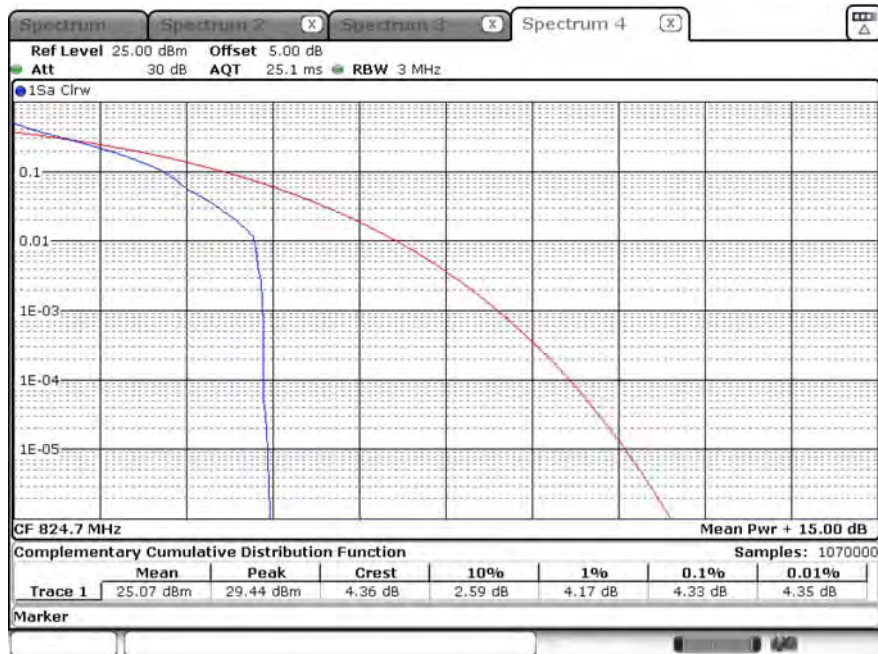


## CH20300\_20M\_1RB49\_16-QAM





|              |                       |           |        |
|--------------|-----------------------|-----------|--------|
| Product      | LE910C4-NF            |           |        |
| Test Item    | Peak To Average Ratio |           |        |
| Test Mode    | Mode 3: LTE Band 5    |           |        |
| Date of Test | 2018/08/08            | Test Site | SR10-H |

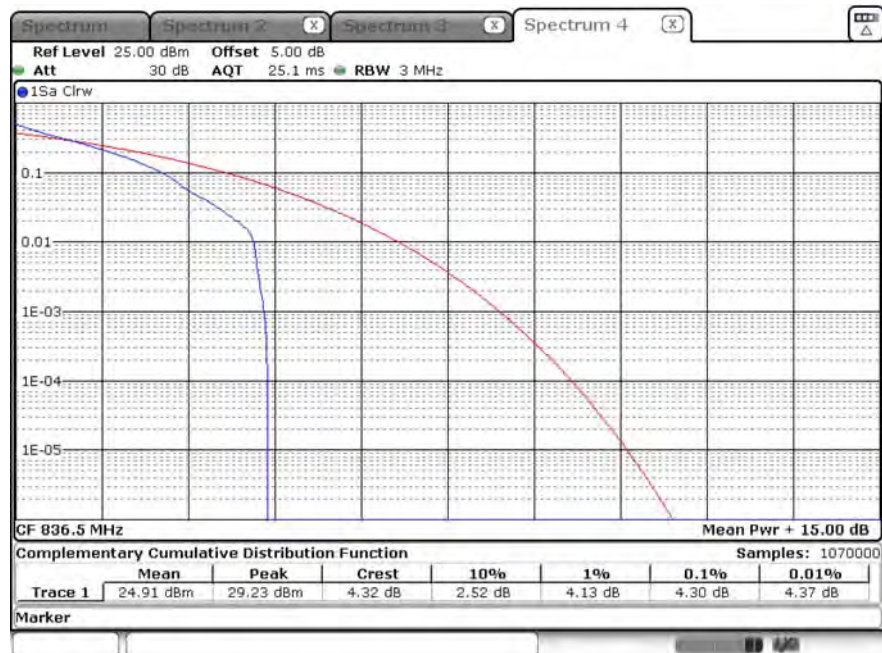
**CH20407\_1.4M\_1RB2\_QPSK**

Date: 8 AUG.2018 17:42:22

**CH20407\_1.4M\_3RB1\_16-QAM**

Date: 8 AUG 2018 17:43:05

## CH20525\_1.4M\_1RB2\_QPSK



Date: 8.AUG 2018 17:44:18

## CH20525\_1.4M\_3RB1\_16-QAM



Date: 8.AUG 2018 17:44:49



## CH20643\_1.4M\_1RB2\_QPSK



Date: 8.AUG 2018 17:46:04

## CH20643\_1.4M\_3RB1\_16-QAM



Date: 8.AUG 2018 17:46:56

## CH20415\_3M\_1RB7\_QPSK



Date: 8.AUG.2018 17:49:22

## CH20415\_3M\_1RB7\_16-QAM



Date: 8.AUG.2018 17:50:12



## CH20525\_3M\_1RB7\_QPSK



Date: 8.AUG.2018 17:51:05

## CH20525\_3M\_1RB7\_16-QAM



Date: 8.AUG.2018 17:51:33

## CH20635\_3M\_1RB7\_QPSK



Date: 8.AUG.2018 17:51:59

## CH20635\_3M\_1RB7\_16-QAM



Date: 8.AUG.2018 17:52:09



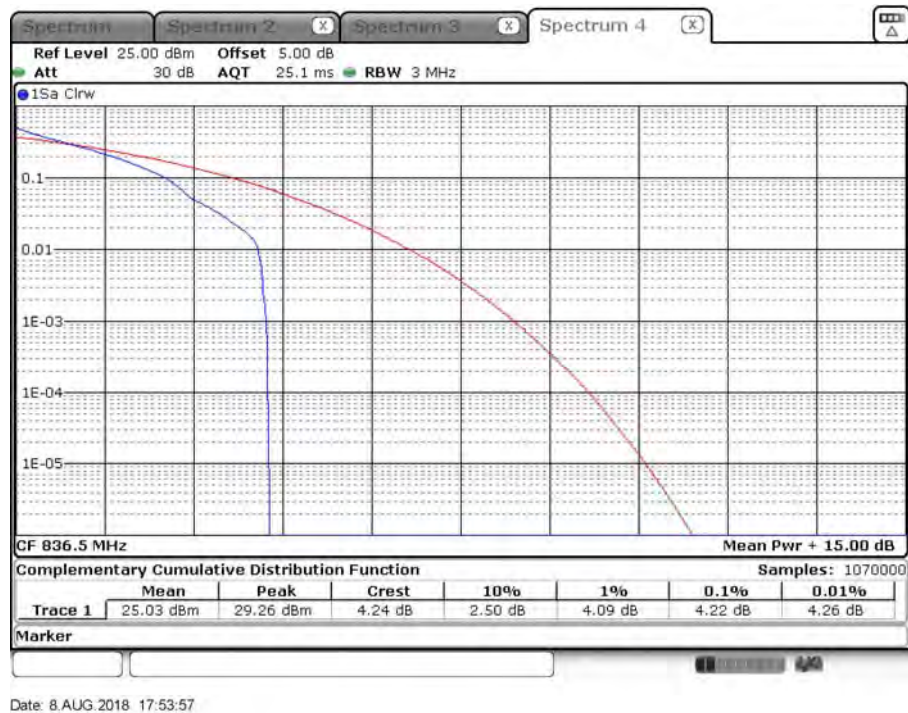
## CH20425\_5M\_1RB12\_QPSK



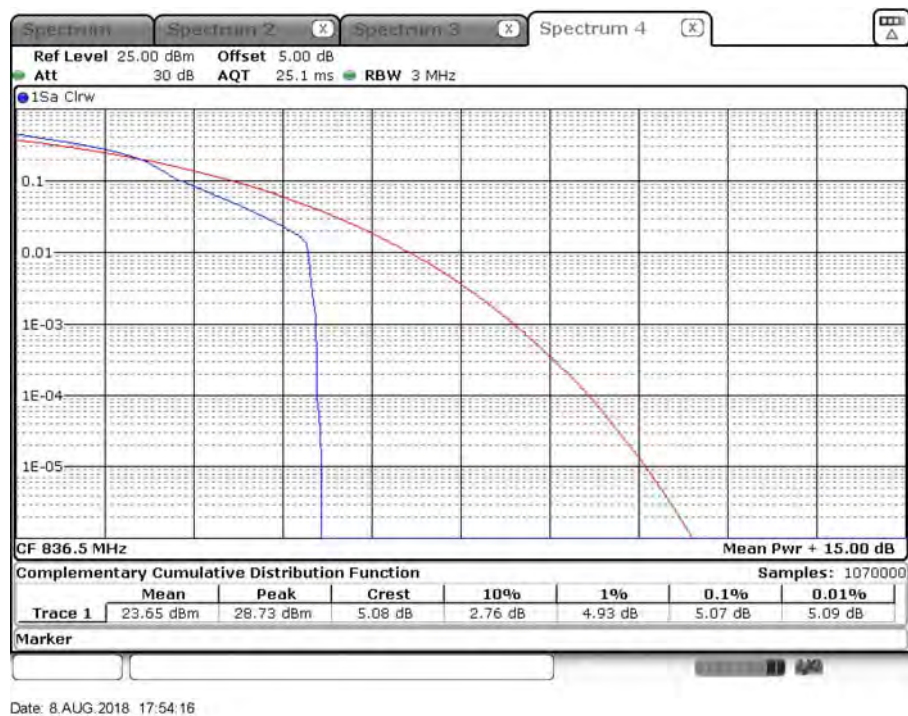
## CH20425\_5M\_1RB12\_16-QAM



## CH20525\_5M\_1RB12\_QPSK



## CH20525\_5M\_1RB12\_16-QAM





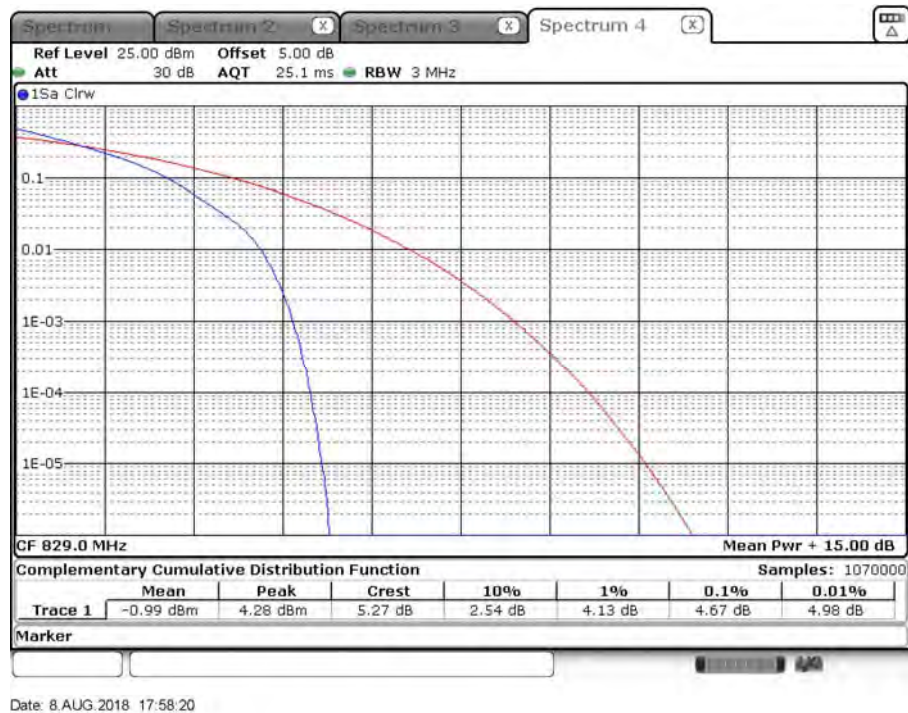
## CH20625\_5M\_1RB0\_QPSK



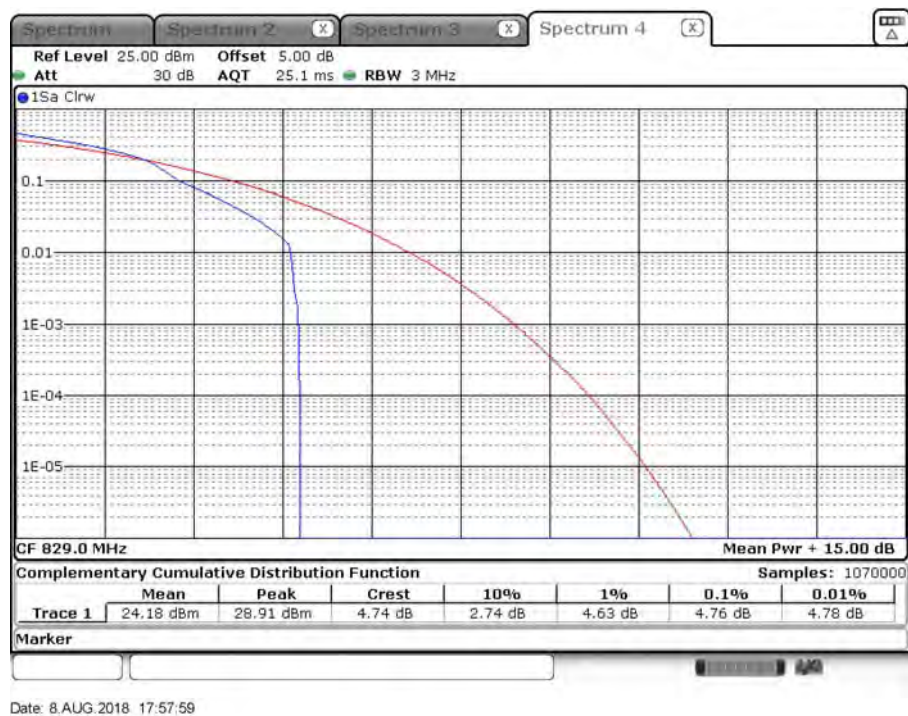
## CH20625\_5M\_1RB12\_16-QAM



## CH20450\_10M\_1RB0\_QPSK



## CH20450\_10M\_1RB24\_16-QAM





## CH20525\_10M\_1RB49\_QPSK



## CH20525\_10M\_1RB24\_16-QAM



## CH20600\_10M\_1RB24\_QPSK



Date: 8.AUG.2018 18:00:13

## CH20600\_10M\_1RB24\_16-QAM



Date: 8.AUG.2018 18:00:35