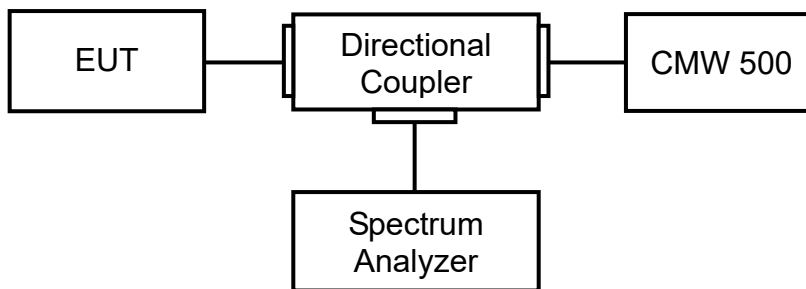


5. Peak To Average Ratio

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	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/05/23	Test Site	SR10-H

CH19193_1.4M_QPSK_3RB2



Date: 23 MAY 2018 18:52:45

CH19193_1.4M_16-QAM_1RB5



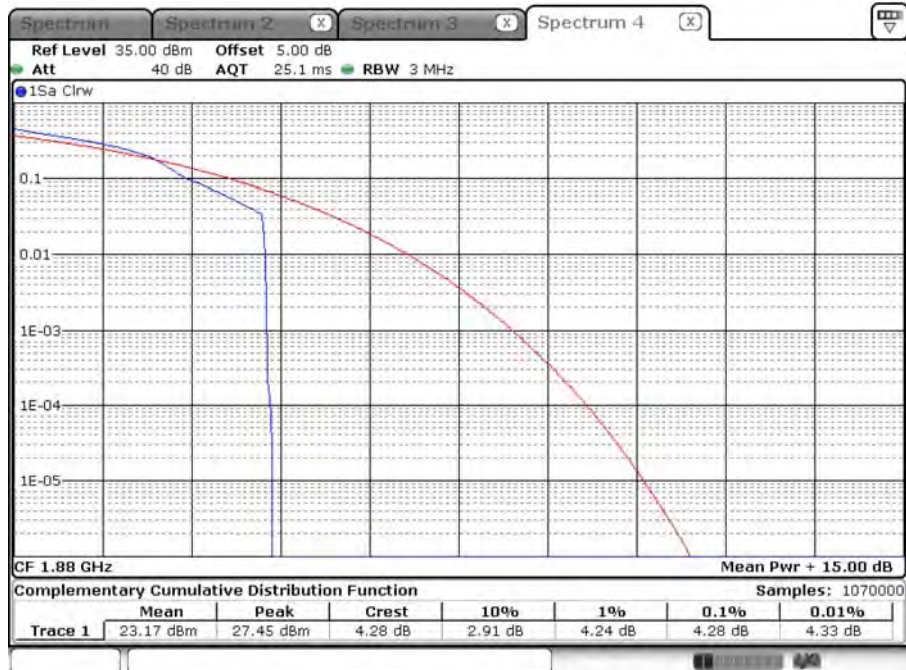
Date: 23 MAY 2018 18:53:33

CH19185_3M_QPSK_1RB7



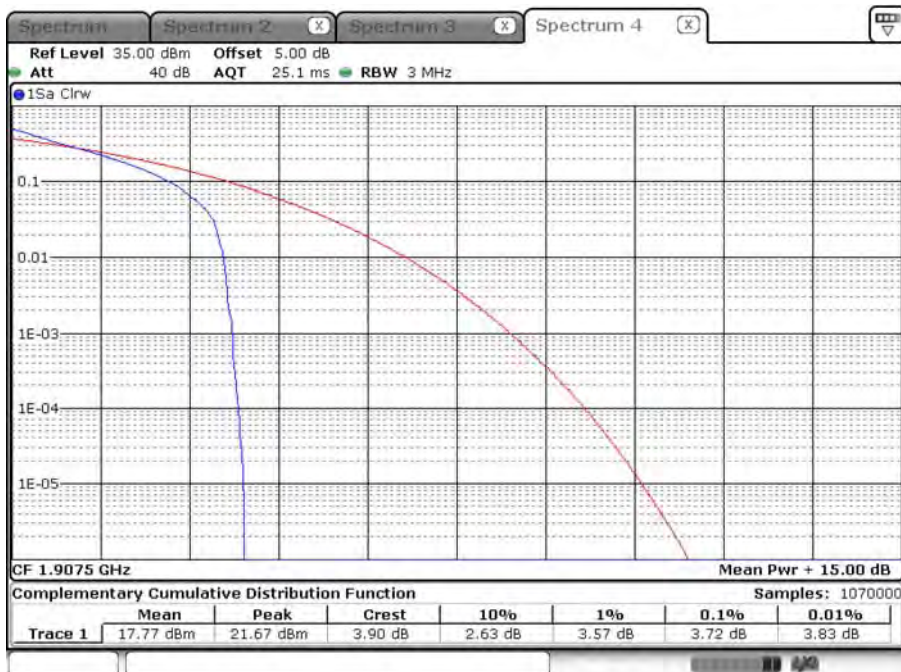
Date: 23 MAY 2018 18:59:28

CH18900_3M_16-QAM_1RB7



Date: 23 MAY 2018 18:58:46

CH19175_5M_QPSK_1RB0



Date: 23.MAY 2018 19:05:13

CH19175_5M_16-QAM_1RB0



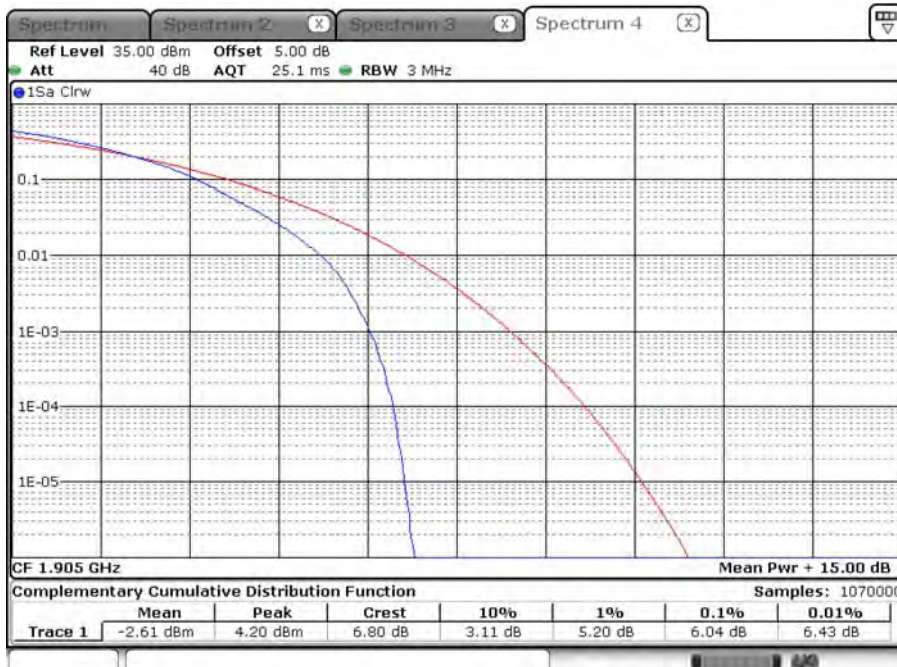
Date: 23.MAY 2018 19:05:50

CH19150_10M_QPSK_1RB0



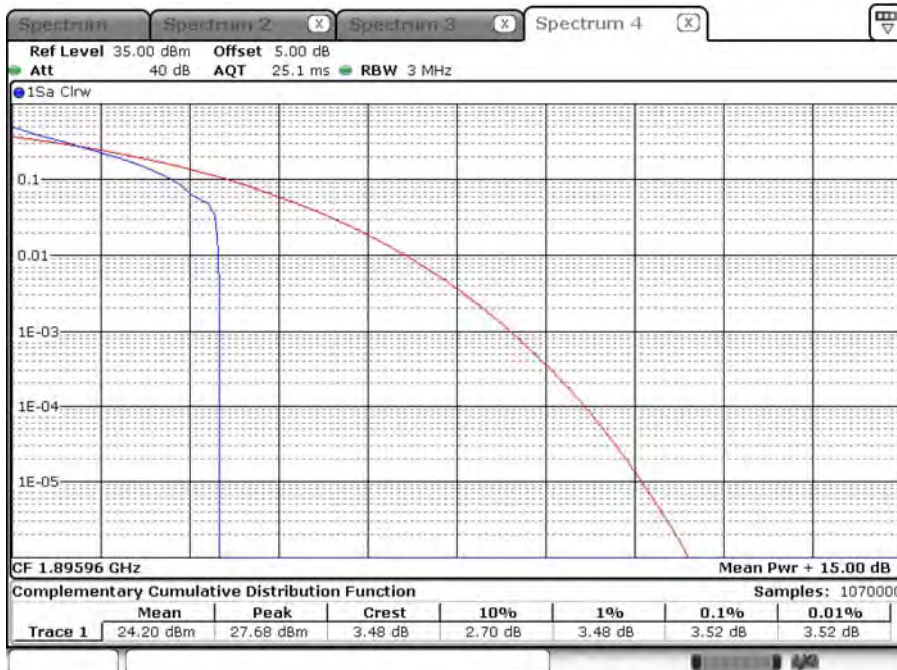
Date: 23.MAY.2018 19:10:25

CH19150_10M_16-QAM_1RB0



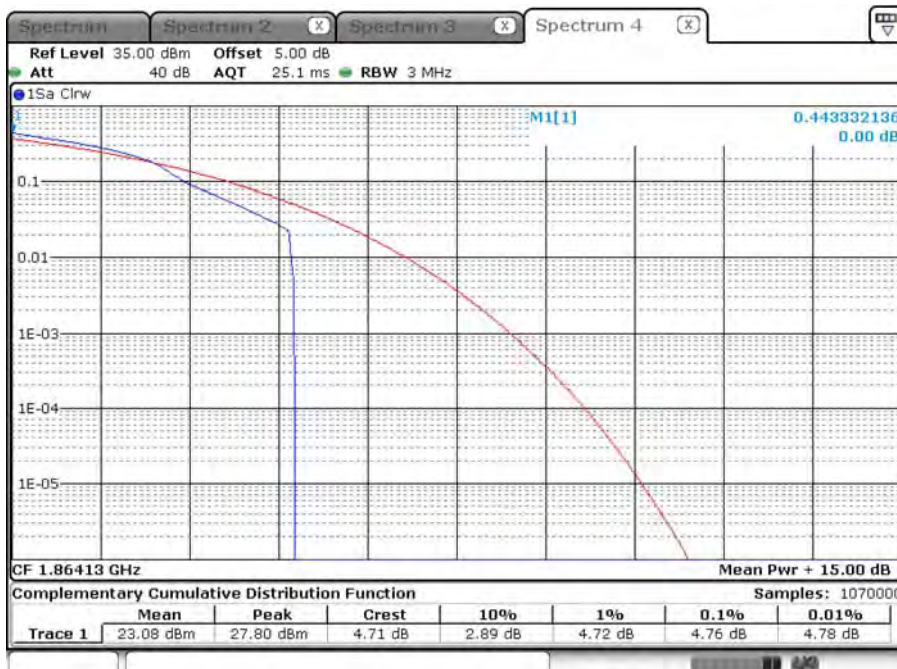
Date: 23.MAY.2018 19:09:52

CH19125_15M_QPSK_1RB0



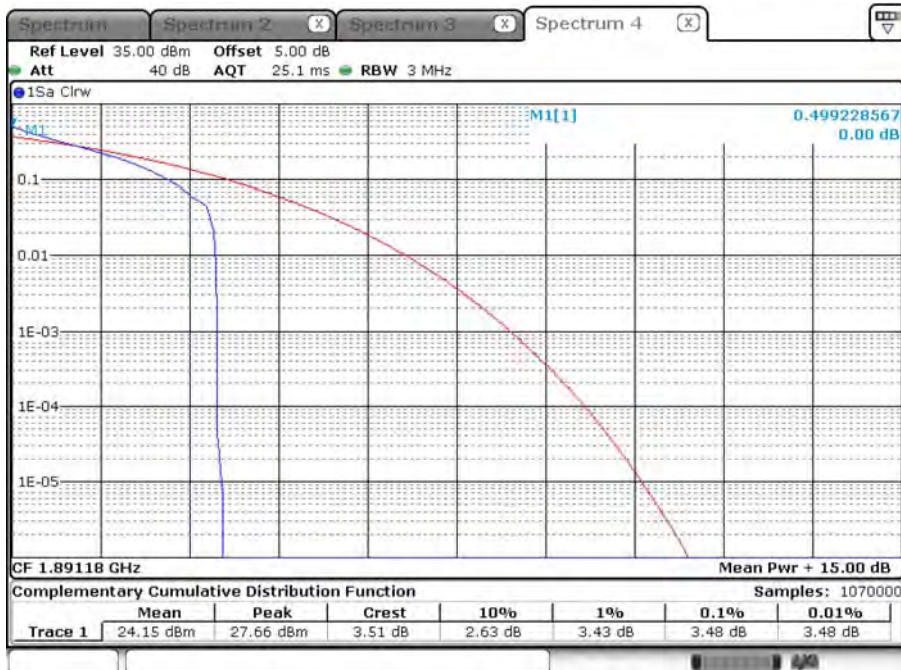
Date: 23.MAY.2018 19:14:30

CH18675_15M_16-QAM_1RB74



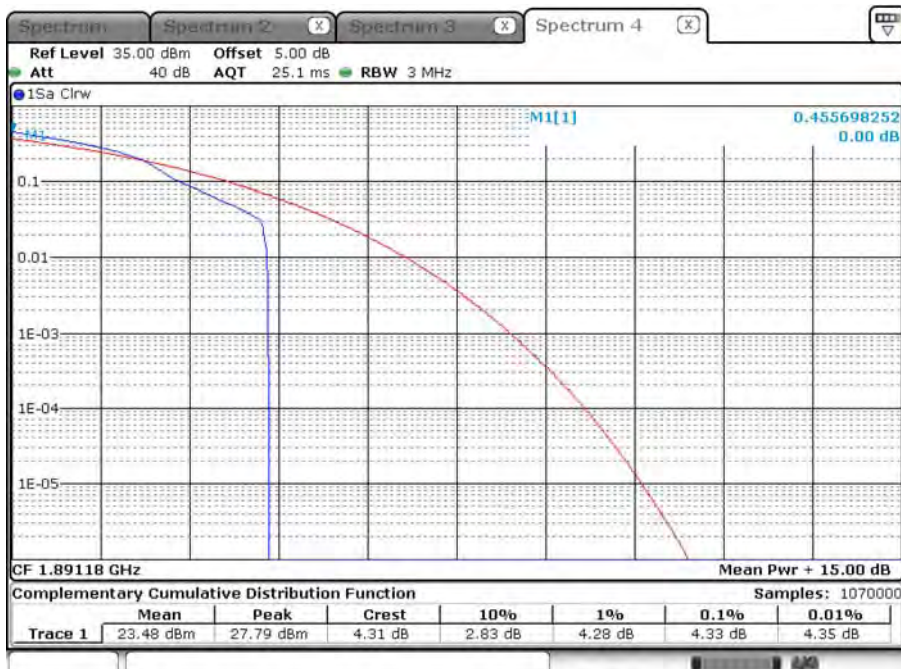
Date: 23.MAY.2018 19:16:43

CH19100_20M_QPSK_1RB0



Date: 23.MAY.2018 19:20:58

CH19100_20M_16-QAM_1RB0



Date: 23.MAY.2018 19:21:29

Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 2: LTE Band 4		
Date of Test	2018/05/23	Test Site	SR10-H

CH19957_1.4M_QPSK_3RB2



Date: 23.MAY.2018 19:25:43

CH20175_1.4M_16-QAM_1RB2



Date: 23.MAY.2018 19:26:40

CH19965_3M_QPSK_1RB7



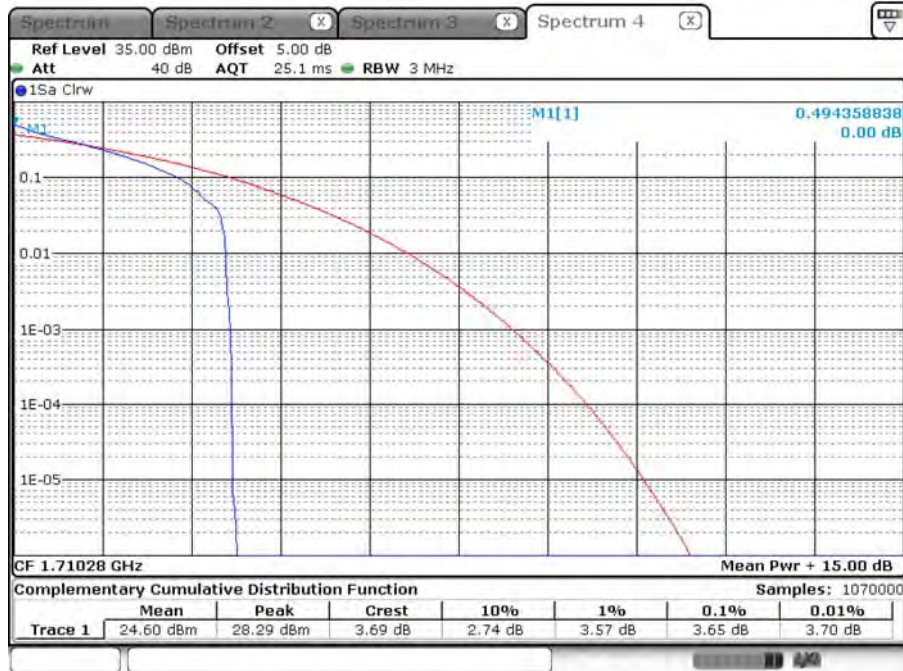
Date: 23 MAY 2018 19:30:59

CH20175_3M_16-QAM_1RB7



Date: 23 MAY 2018 19:32:02

CH19975_5M_QPSK_1RB0



Date: 23 MAY 2018 19:35:55

CH20175_5M_16-QAM_1RB0



Date: 23 MAY 2018 19:37:11

CH20000_10M_QPSK_1RB0



Date: 23.MAY 2018 19:41:11

CH20175_10M_16-QAM_1RB0



Date: 23.MAY 2018 19:42:12

CH20025_15M_QPSK_1RB0



Date: 23.MAY.2018 19:45:28

CH20175_15M_16-QAM_1RB0



Date: 23.MAY.2018 19:46:22

CH20050_20M_QPSK_1RB0



Date: 23.MAY.2018 19:49:23

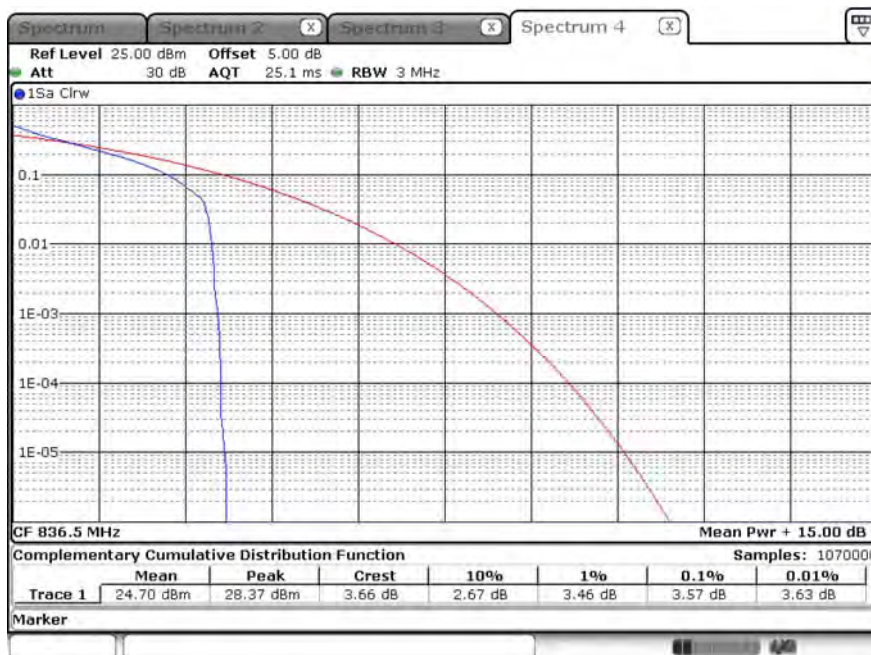
CH20050_20M_16-QAM_1RB0



Date: 23.MAY.2018 19:49:54

Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 3: LTE Band 5		
Date of Test	2018/05/15	Test Site	SR10-H

CH20525_1.4M_QPSK_1RB2



Date: 15 MAY 2018 10:56:08

CH20525_1.4M_16-QAM_1RB2



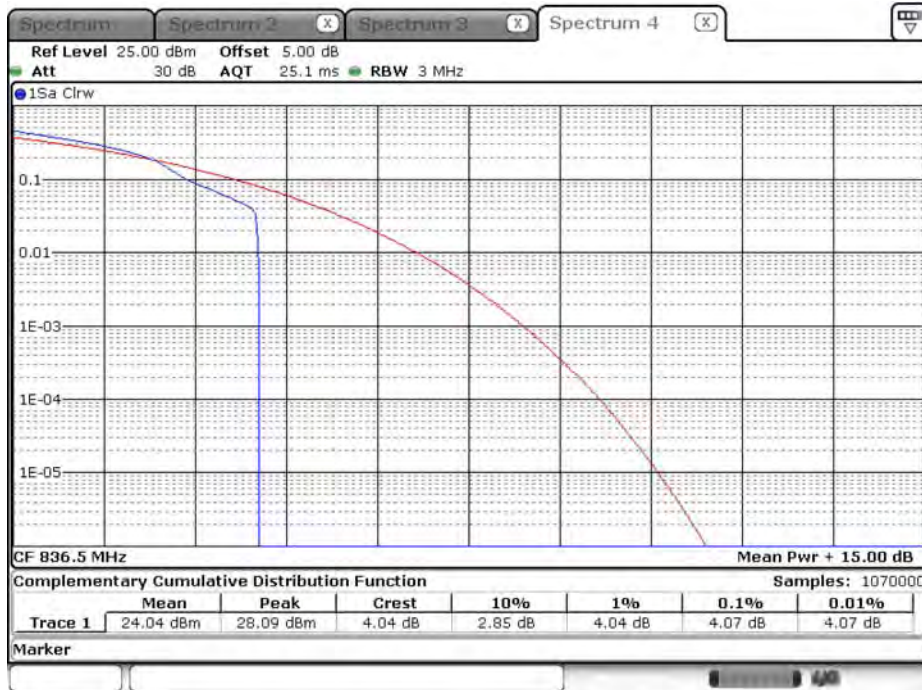
Date: 15 MAY 2018 10:59:19

CH20525_3M_QPSK_1RB7



Date: 15 MAY 2018 11:39:36

CH20525_3M_16-QAM_1RB7



Date: 15 MAY 2018 11:39:02

CH20525_5M_QPSK_1RB0



Date: 15.MAY.2018 12:00:06

CH20625_5M_16-QAM_1RB0



Date: 15.MAY.2018 12:00:33

CH20525_10M_QPSK_1RB0



Date: 15.MAY 2018 13:54:00

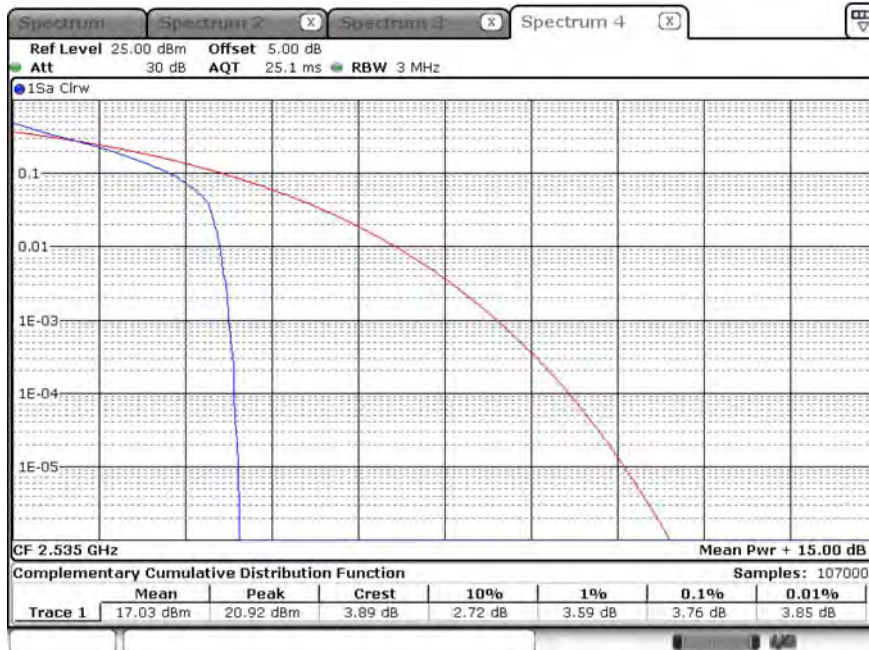
CH20525_10M_16-QAM_1RB0



Date: 15.MAY 2018 13:53:36

Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 4: LTE Band 7		
Date of Test	2018/05/18	Test Site	SR10-H

CH21425_5M_QPSK_1RB0



Date: 18.MAY.2018 15:15:49

CH21425_5M_16-QAM_1RB0



Date: 18.MAY.2018 15:14:41

CH21100_10M_QPSK_1RB24



Date: 18 MAY 2018 14:42:07

CH21100_10M_16-QAM_1RB24



Date: 18 MAY 2018 14:43:45

CH20825_15M_QPSK_1RB0



Date: 23.MAY.2018 11:28:04

CH20825_15M_16-QAM_1RB0



Date: 23.MAY.2018 11:27:10

CH20850_20M_QPSK_1RB0



Date: 23.MAY.2018 13:23:43

CH20850_20M_16-QAM_1RB0



Date: 23.MAY.2018 13:22:53

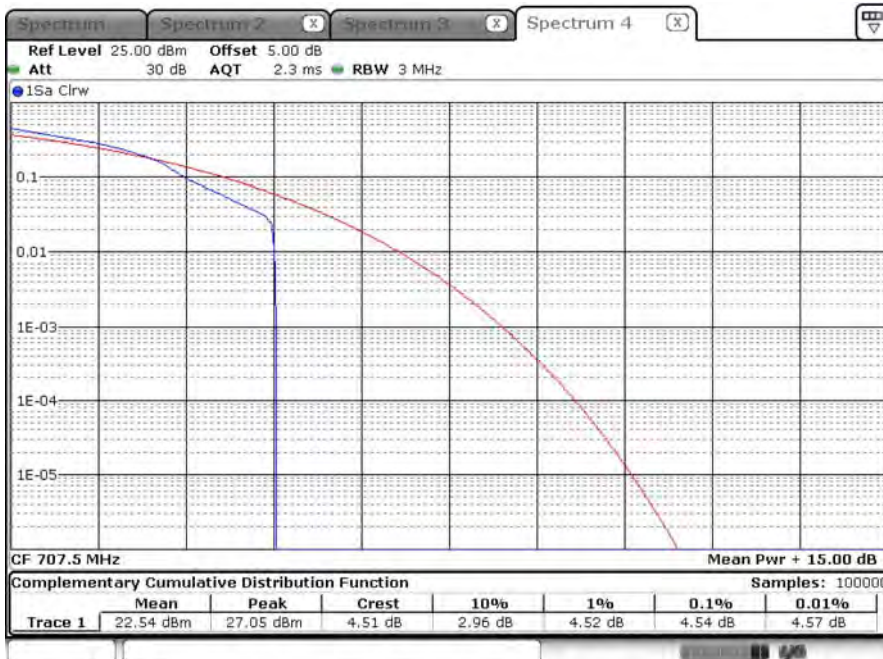
Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 5: LTE Band 12		
Date of Test	2018/05/15	Test Site	SR10-H

CH23017_1.4M_QPSK_1RB2



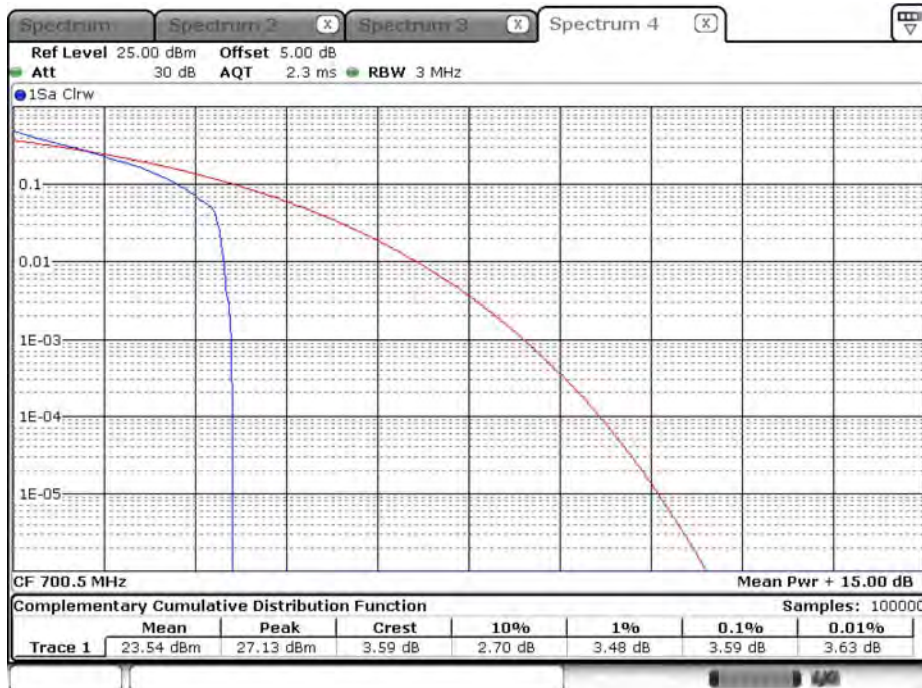
Date: 15 MAY 2018 14:19:23

CH23097_1.4M_16-QAM_1RB2



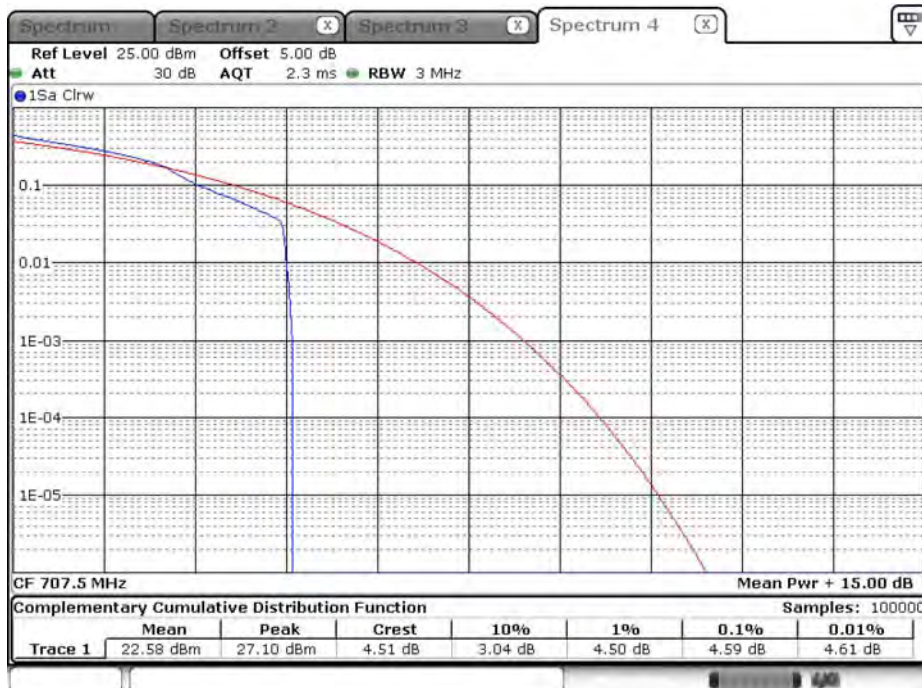
Date: 15 MAY 2018 14:18:12

CH23025_3M_QPSK_1RB7



Date: 15 MAY 2018 14:49:29

CH23097_3M_16-QAM_1RB7



Date: 15 MAY 2018 14:48:37

CH23155_5M_QPSK_1RB0



Date: 15.MAY 2018 15:05:39

CH23155_5M_16-QAM_1RB0



Date: 15.MAY 2018 15:05:01

CH23060_10M_QPSK_1RB0



Date: 15.MAY.2018 15:17:55

CH23130_10M_16-QAM_1RB0



Date: 15.MAY.2018 15:18:27

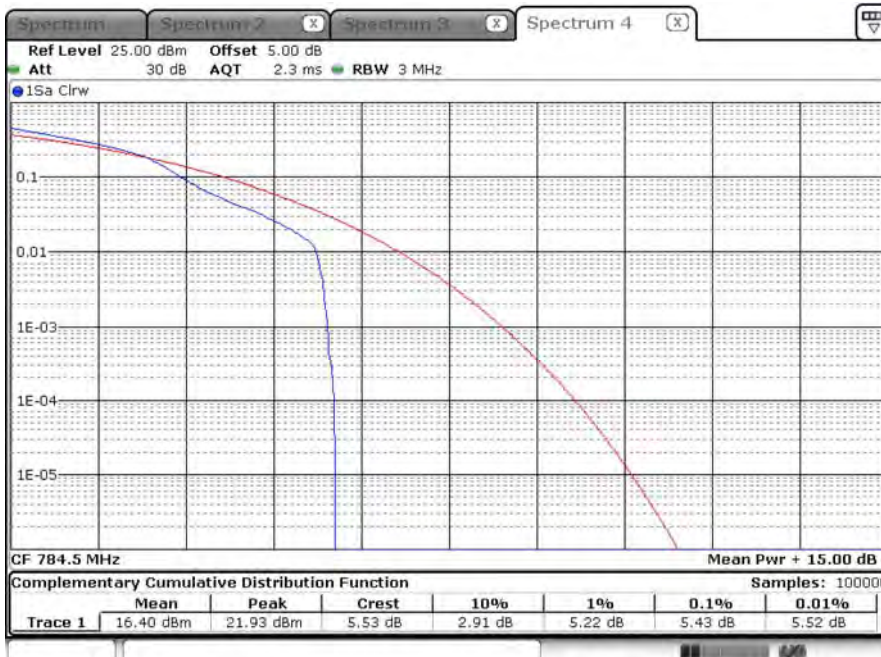
Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 6: LTE Band 13		
Date of Test	2018/05/15	Test Site	SR10-H

CH23230_5M_QPSK_1RB24



Date: 15 MAY 2018 15:42:56

CH23255_5M_16-QAM_1RB24



Date: 15 MAY 2018 15:41:41

CH23230_10M_QPSK_1RB49



Date: 15 MAY 2018 16:22:26

CH23230_10M_16-QAM_1RB49



Date: 15 MAY 2018 16:21:44

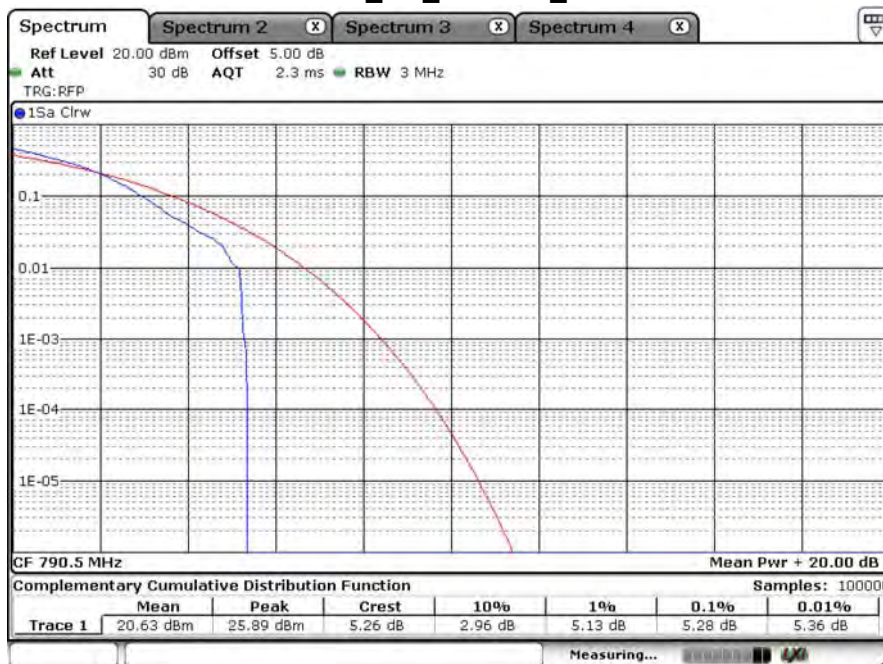
Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 7: LTE Band 14		
Date of Test	2018/05/13	Test Site	SR10-H

CH23305_5M_QPSK_1RB0



Date: 13.MAY.2018 03:50:30

CH23305_5M_16-QAM_1RB12



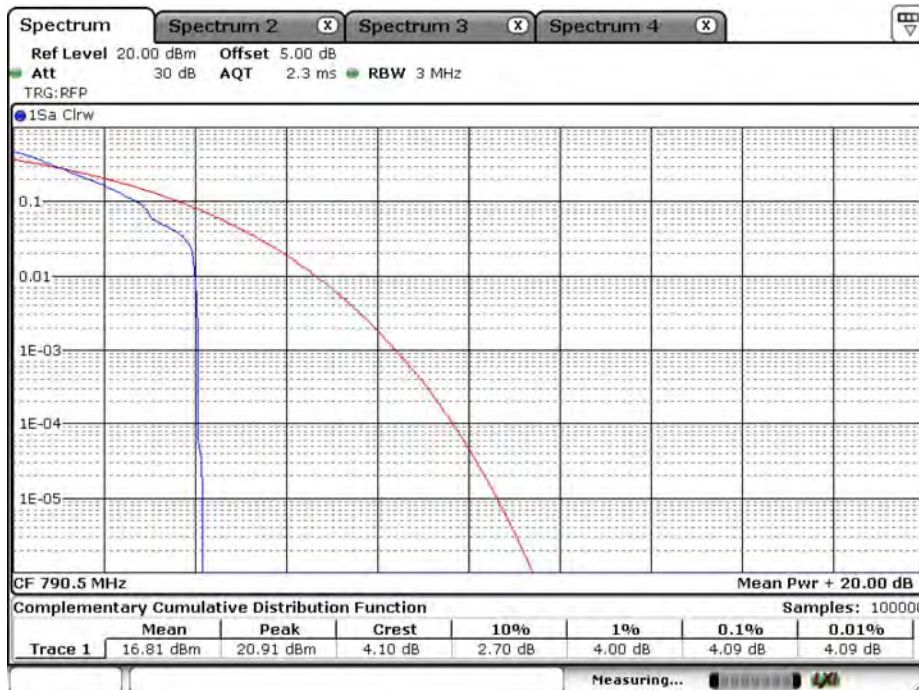
Date: 13.MAY.2018 03:49:43

CH23330_10M_16-QAM_1RB0



Date: 13 MAY 2018 03:53:15

CH23330_10M_QPSK_1RB0



Date: 13 MAY 2018 03:52:26

Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 8: LTE Band 17		
Date of Test	2018/05/24	Test Site	SR10-H

CH23755_5M_QPSK_1RB0



Date: 24 MAY 2018 09:51:08

CH23790_5M_16-QAM_1RB0



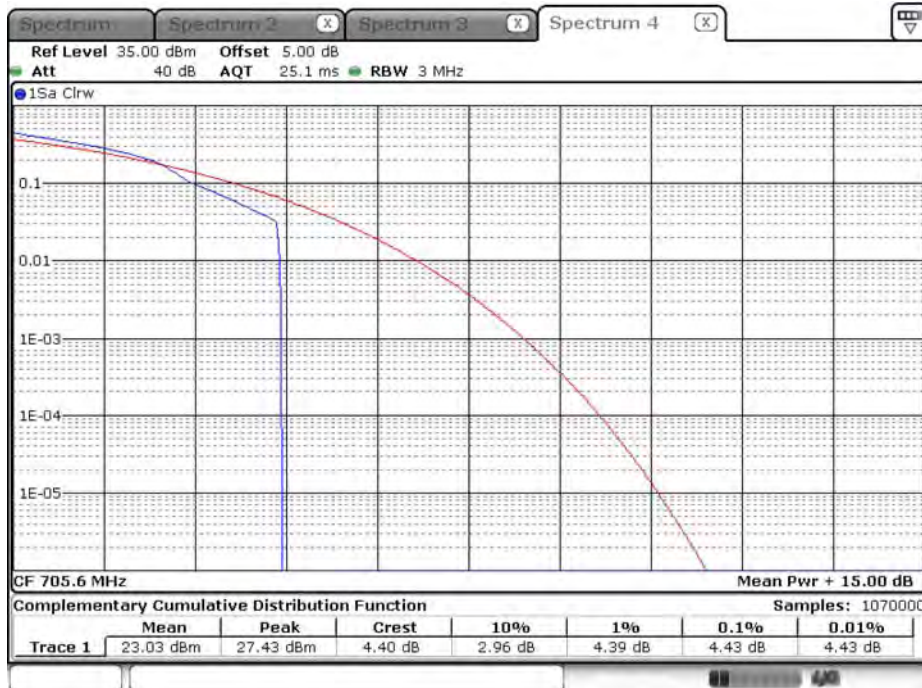
Date: 24 MAY 2018 09:52:46

CH23790_10M_QPSK_1RB0



Date: 24.MAY.2018 10:03:59

CH23790_10M_16-QAM_1RB0



Date: 24.MAY.2018 10:05:18

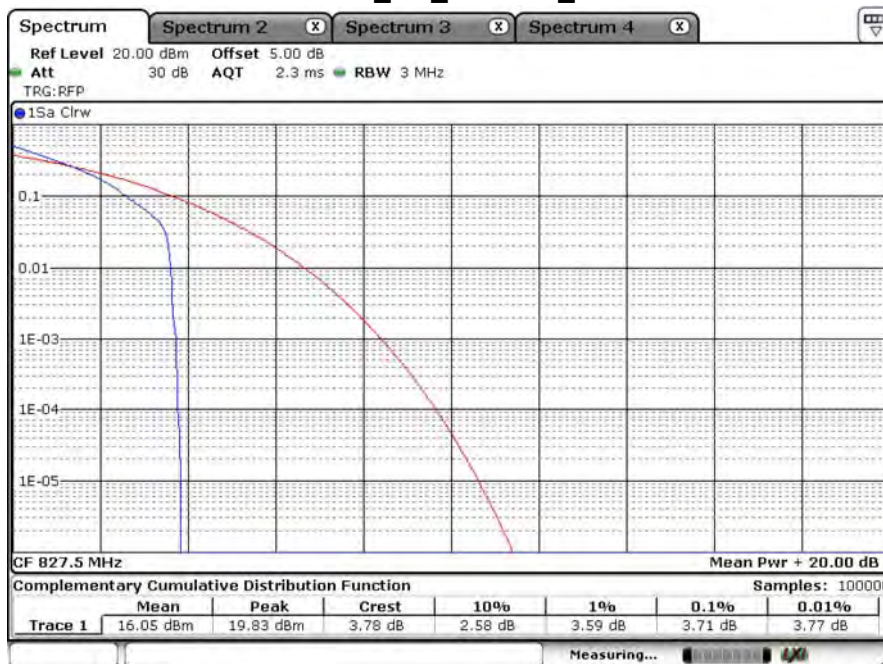
Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 9: LTE Band 18		
Date of Test	2018/05/13	Test Site	SR10-H

CH23925_5M_QPSK_1RB0



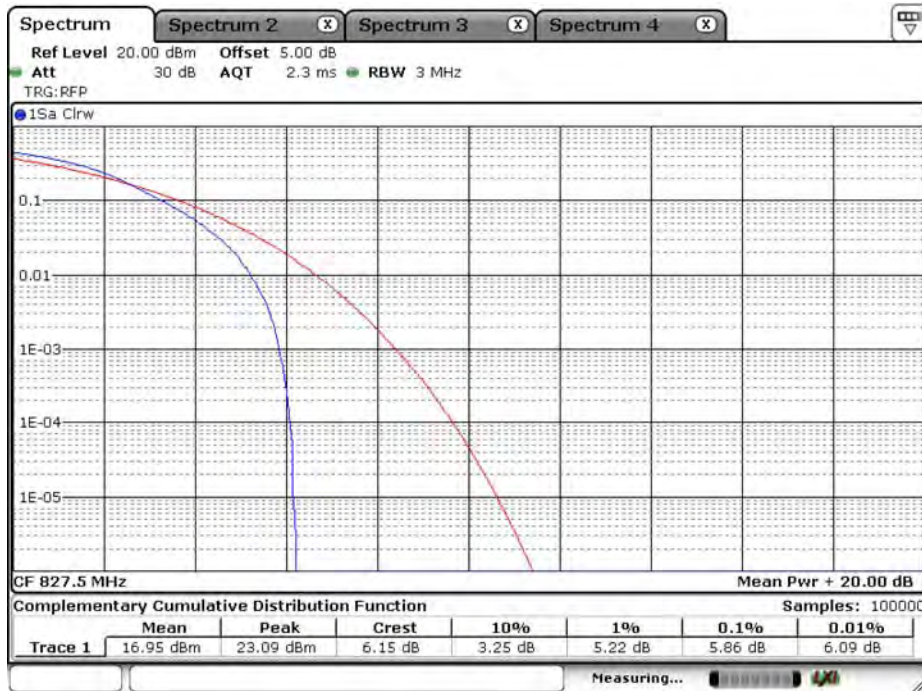
Date: 13.MAY.2018 03:57:09

CH23975_5M_16-QAM_1RB0



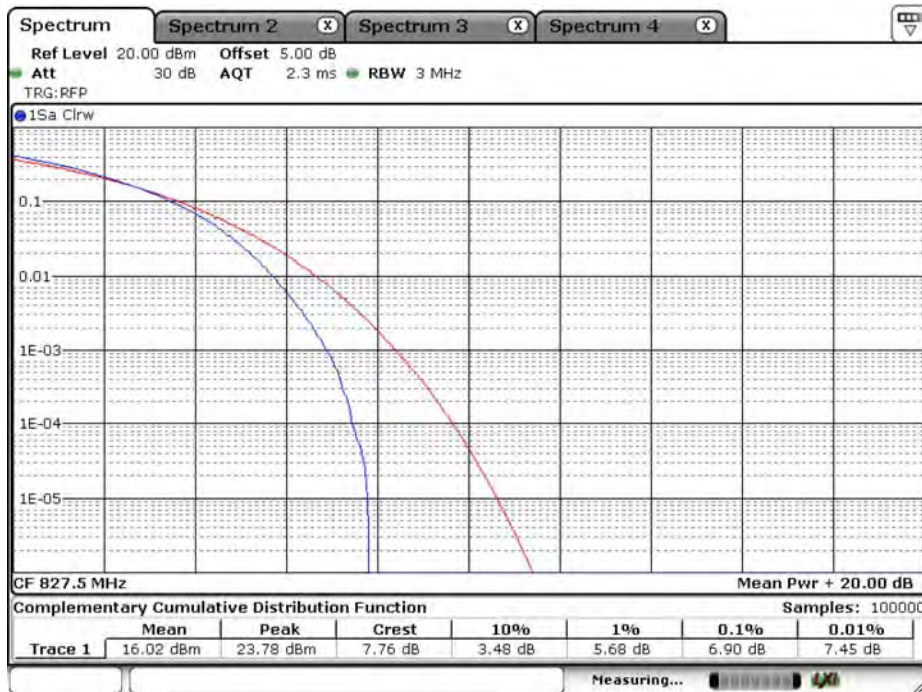
Date: 13.MAY.2018 03:59:02

CH23950_10M_QPSK_1RB0



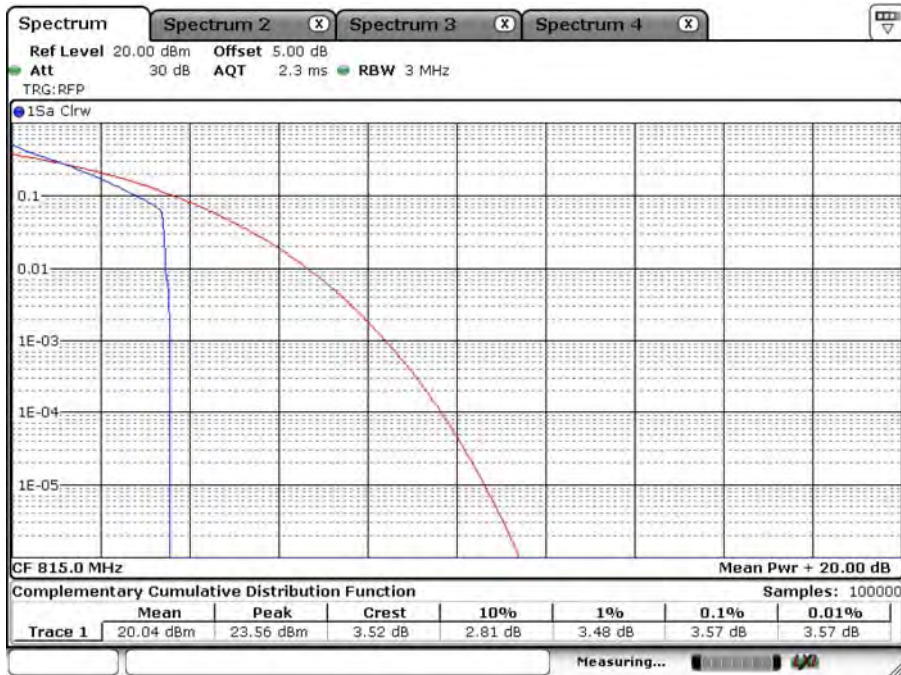
Date: 13.MAY.2018 04:01:12

CH23950_10M_16-QAM_1RB0



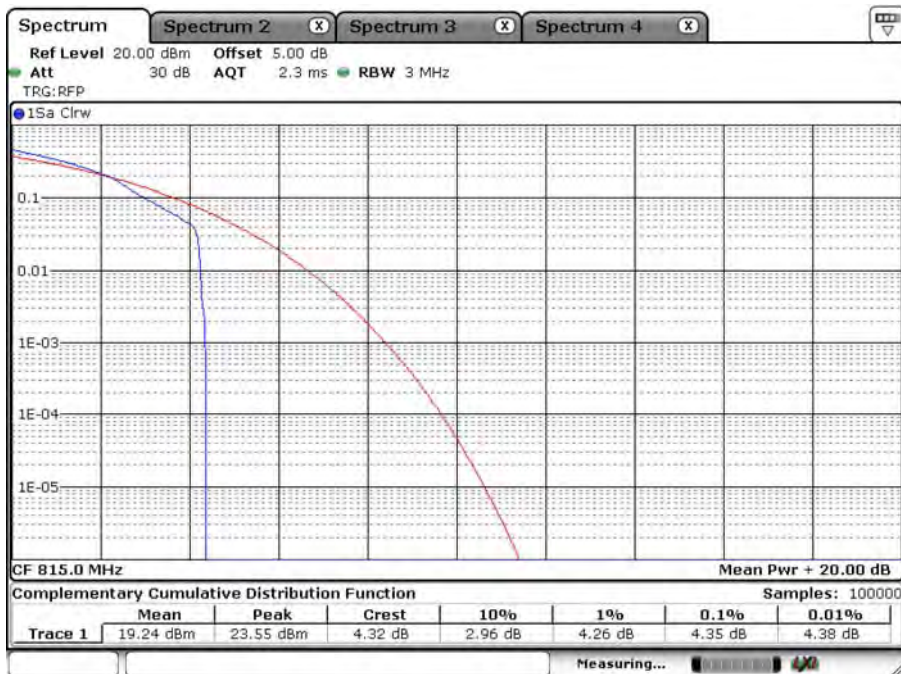
Date: 13.MAY.2018 04:01:50

CH23925_15M_QPSK_1RB0



Date: 13.MAY 2018 10:35:27

CH23925_15M_16-QAM_1RB0



Date: 13.MAY 2018 10:34:33

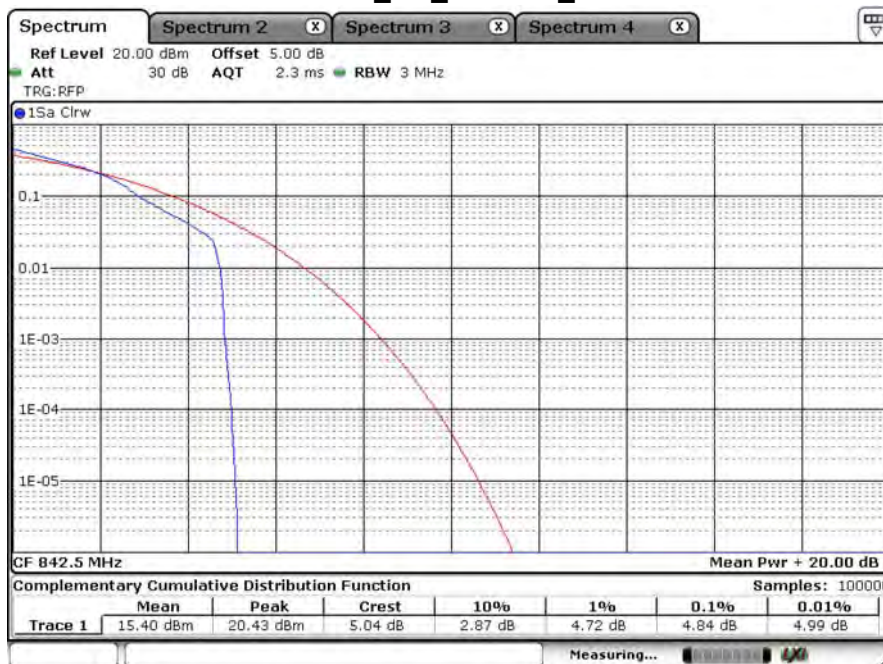
Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 10: LTE Band 19		
Date of Test	2018/05/13	Test Site	SR10-H

CH24025_5M_QPSK_1RB0



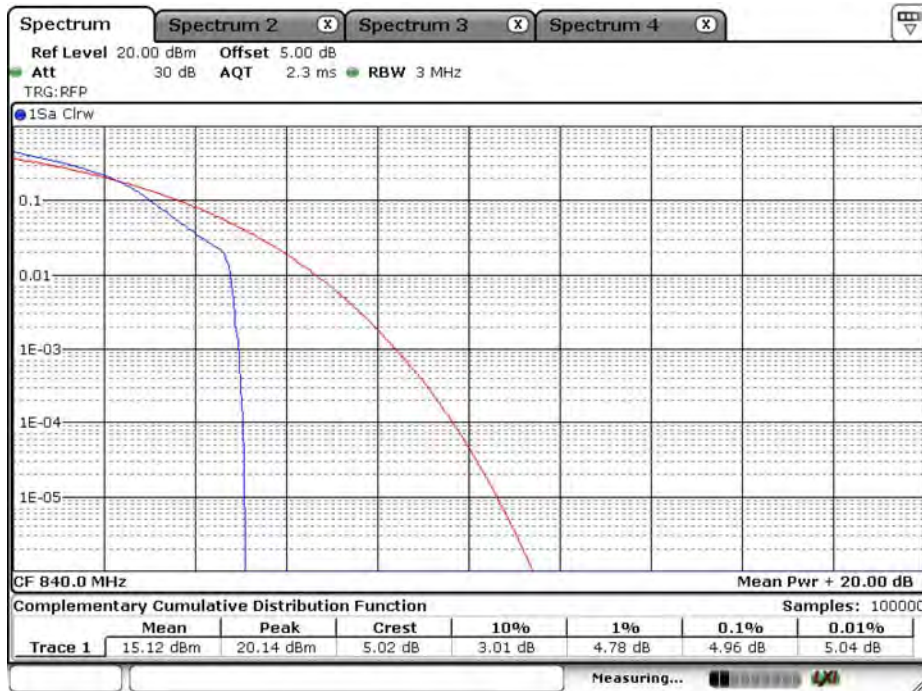
Date: 13.MAY.2018 04:23:04

CH24125_5M_16-QAM_1RB0



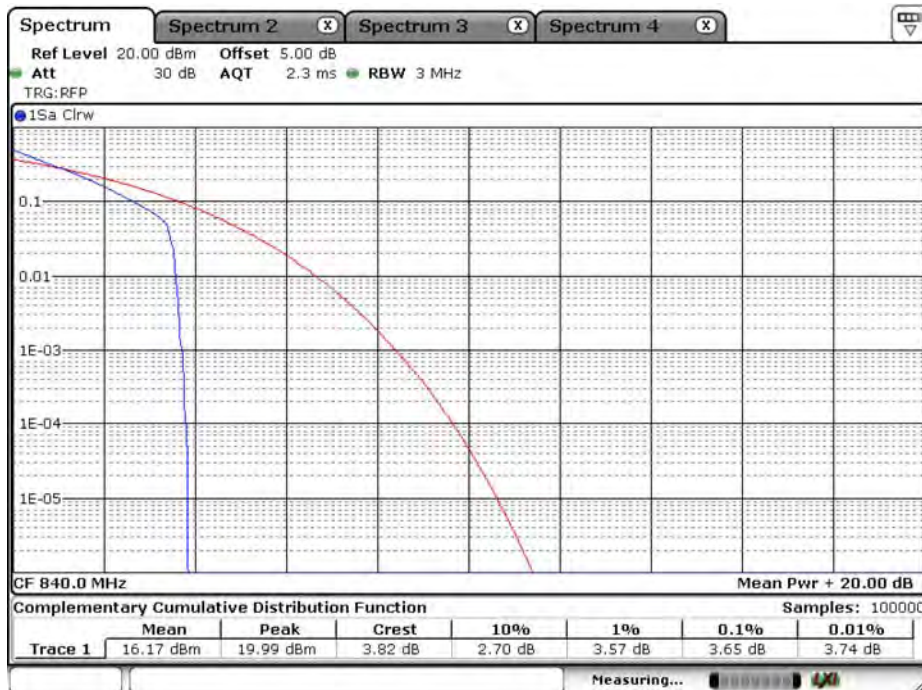
Date: 13.MAY.2018 05:20:39

CH24100_10M_QPSK_1RB0



Date: 13 MAY 2018 04:25:51

CH24100_10M_16-QAM_1RB0



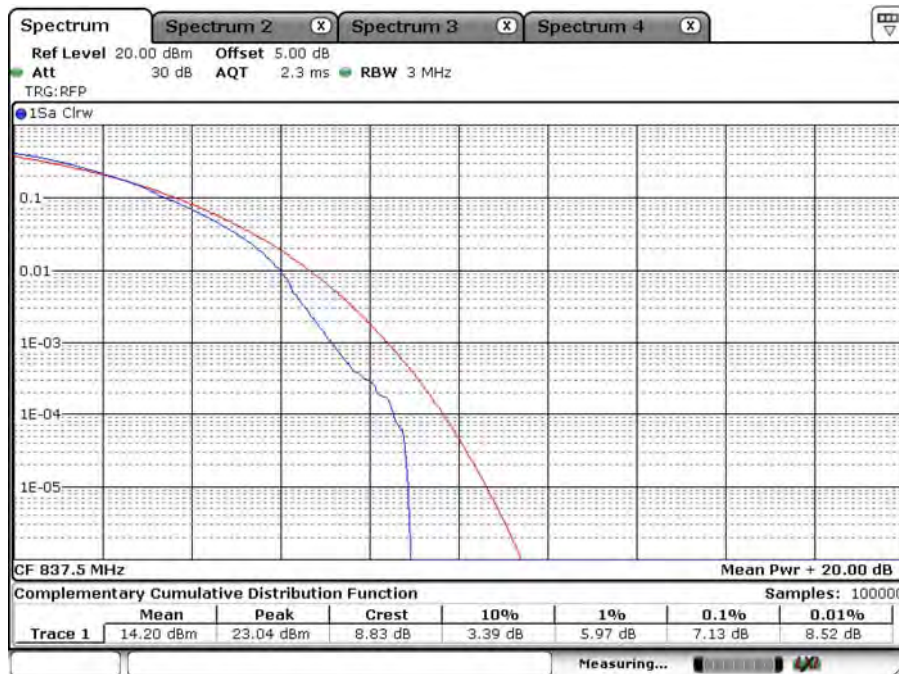
Date: 13 MAY 2018 04:25:01

CH24075_15M_QPSK_1RB0



Date: 13.MAY.2018 05:35:51

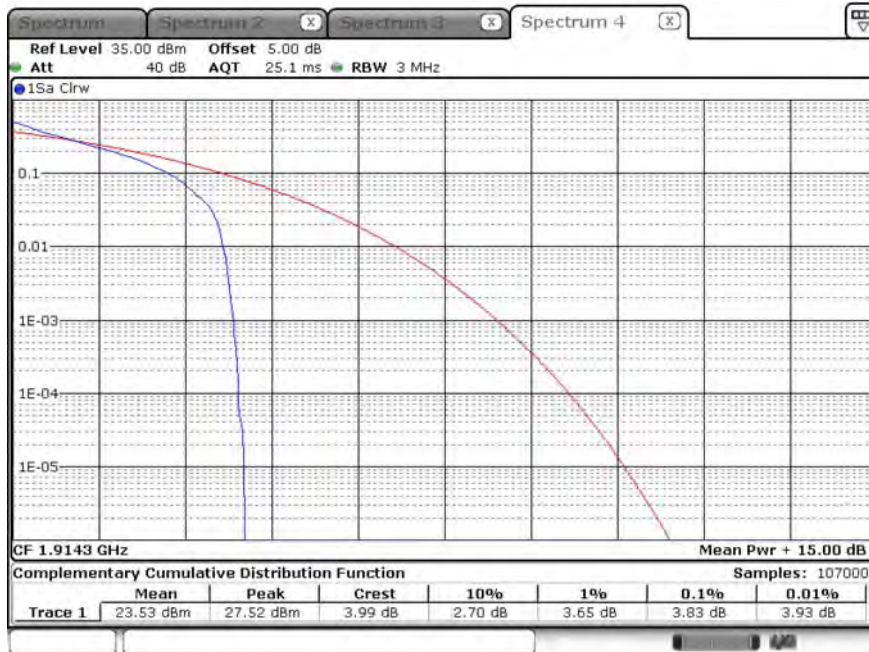
CH24075_15M_16-QAM_1RB0



Date: 13.MAY.2018 05:36:10

Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 11: LTE Band 25		
Date of Test	2018/05/24	Test Site	SR10-H

CH26683_1.4M_QPSK_1RB0



Date: 24 MAY 2018 10:14:51

CH26683_1.4M_16-QAM_1RB0



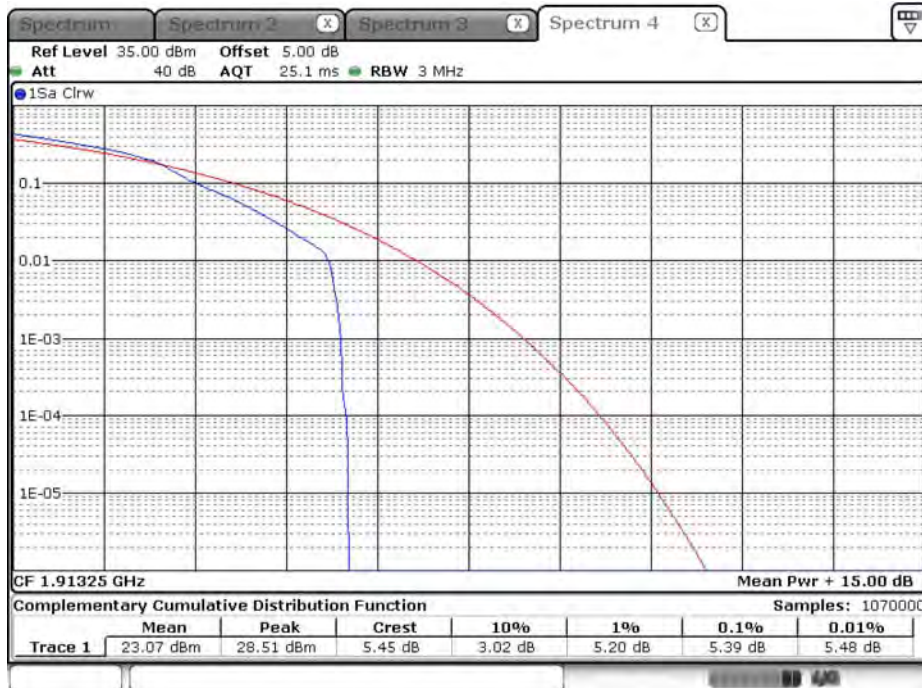
Date: 24 MAY 2018 10:15:40

CH26675_3M_QPSK_1RB7



Date: 24.MAY.2018 10:21:09

CH26675_3M_16-QAM_1RB7



Date: 24.MAY.2018 10:22:24

CH26665_5M_QPSK_1RB0



Date: 24 MAY 2018 10:28:15

CH26665_5M_16-QAM_1RB0



Date: 24 MAY 2018 10:29:03

CH26640_10M_QPSK_1RB0



Date: 24 MAY 2018 10:42:42

CH26640_10M_16-QAM_1RB0



Date: 24 MAY 2018 10:43:15

CH26615_15M_QPSK_1RB0



Date: 24 MAY 2018 10:51:28

CH26615_15M_16-QAM_1RB0



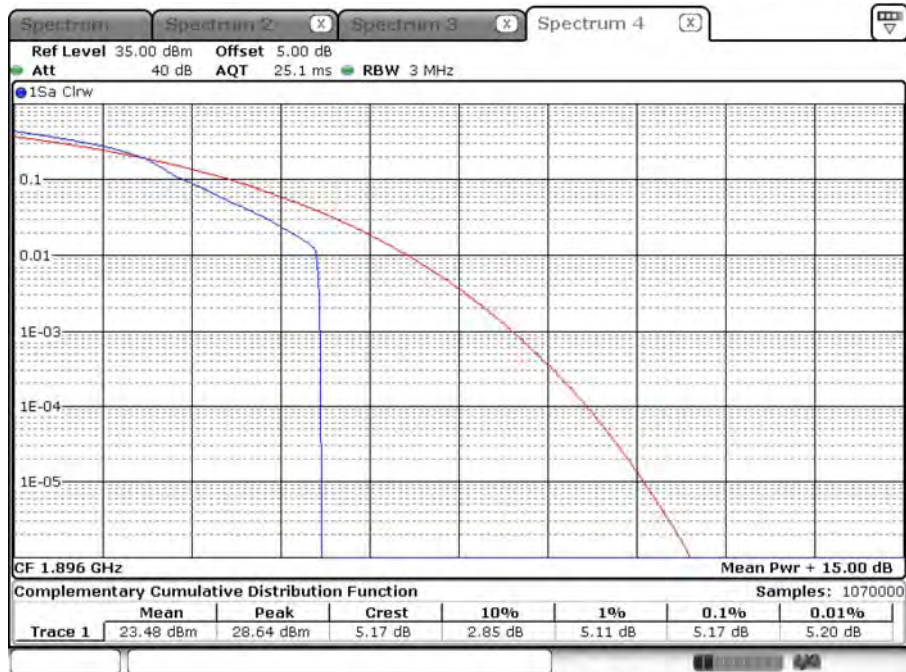
Date: 24 MAY 2018 10:52:31

CH26590_20M_QPSK_1RB0



Date: 24 MAY 2018 11:00:47

CH26590_20M_16-QAM_1RB0



Date: 24 MAY 2018 11:01:24

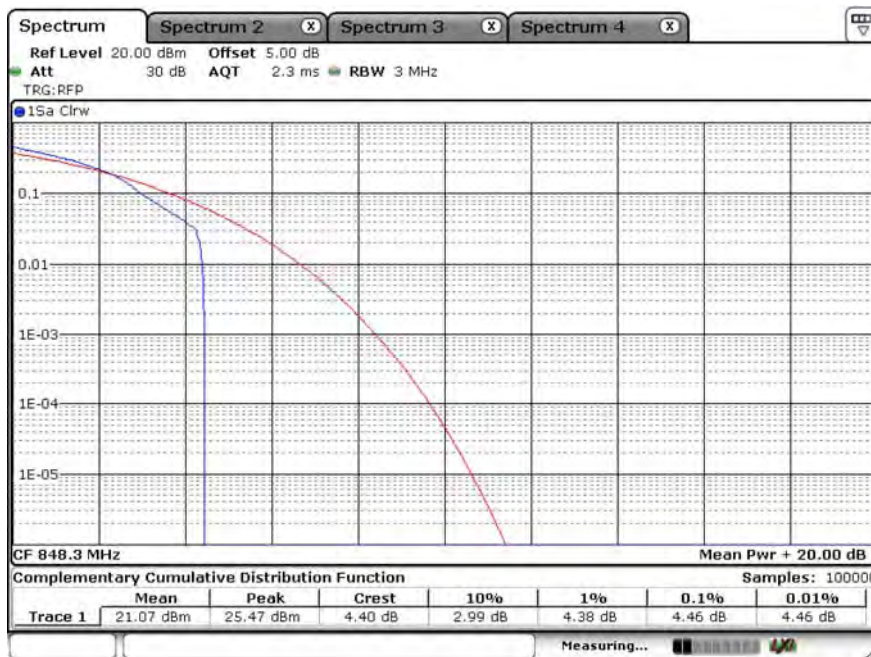
Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 12: LTE Band 26		
Date of Test	2018/05/13	Test Site	SR10-H

CH27033_1.4M_QPSK_3RB0



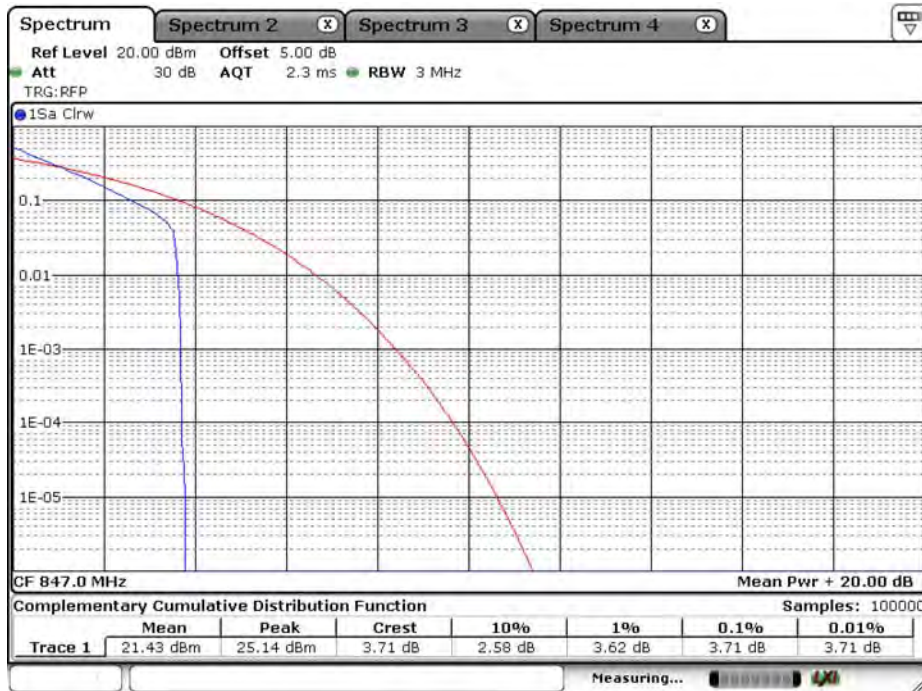
Date: 13.MAY.2018 10:39:05

CH27033_1.4M_16-QAM_1RB0



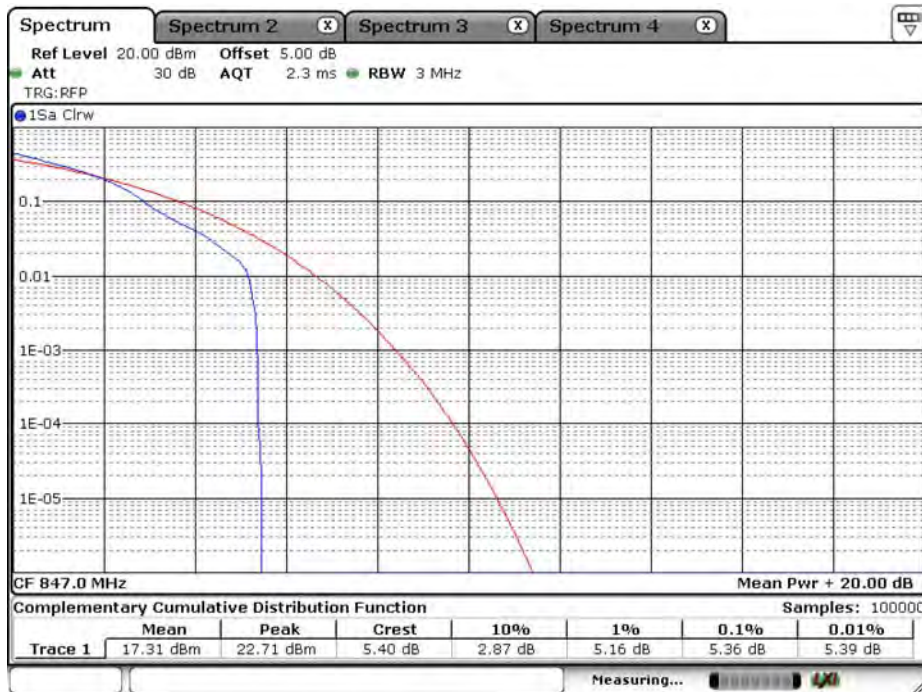
Date: 13.MAY.2018 10:51:11

CH27025_3M_QPSK_1RB0



Date: 13 MAY 2018 10:53:12

CH27025_3M_16-QAM_1RB14



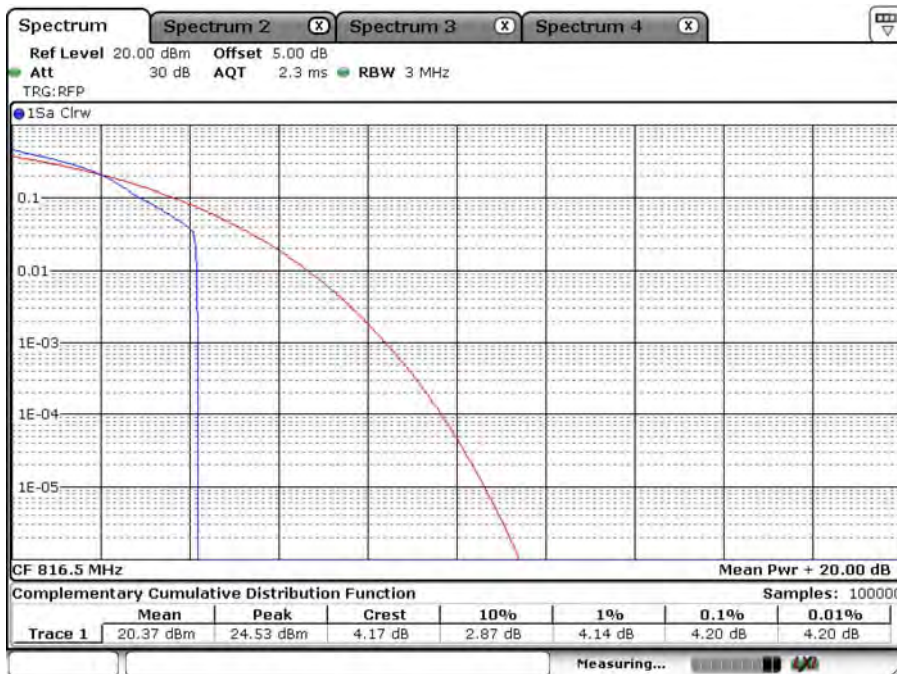
Date: 13 MAY 2018 10:54:05

CH27015_5M_QPSK_1RB12



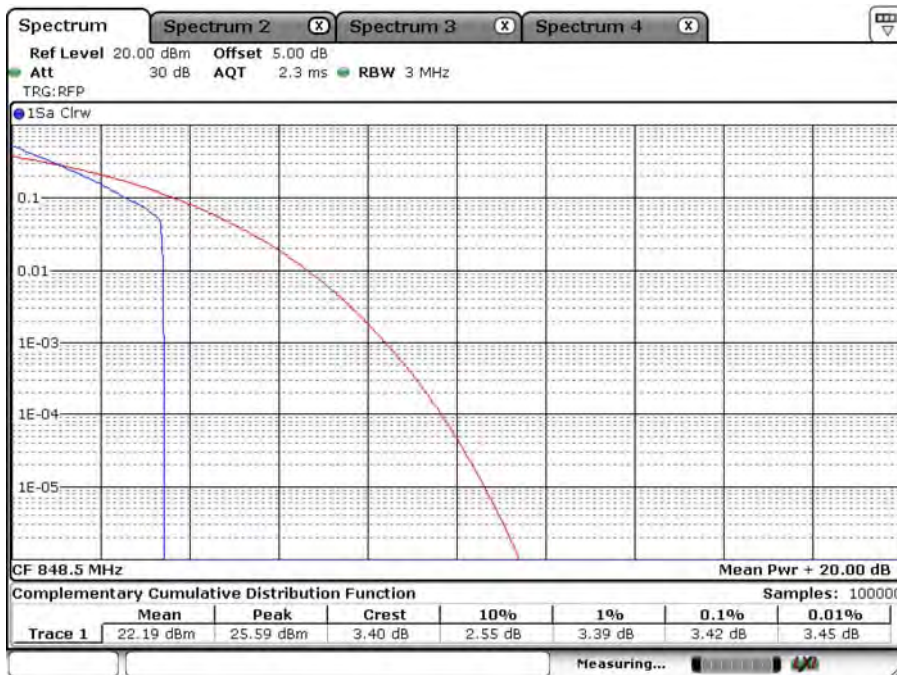
Date: 13.MAY.2018 10:58:28

CH26715_5M_16-QAM_1RB12



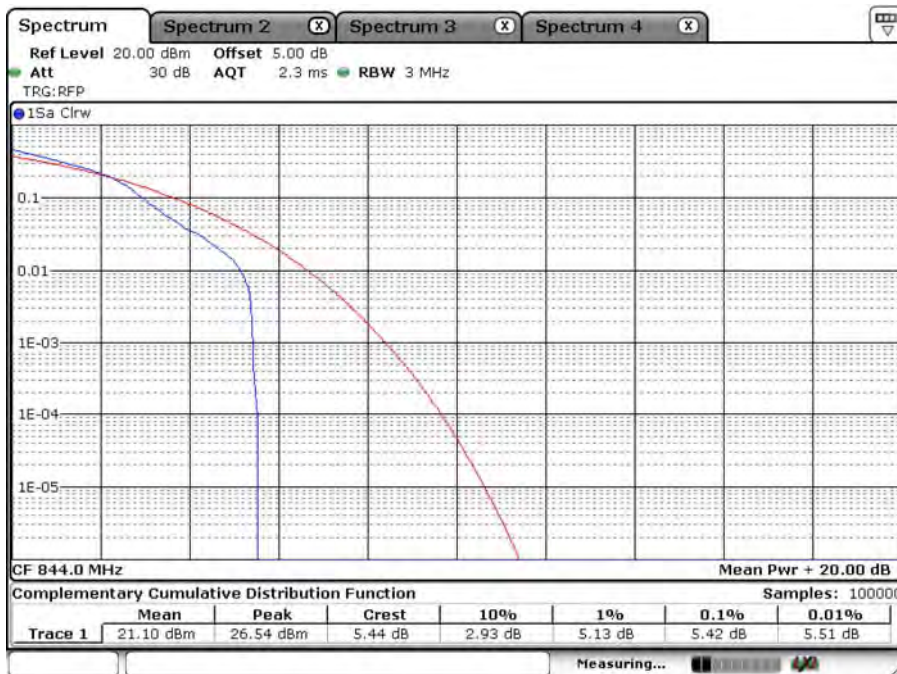
Date: 13.MAY.2018 10:57:21

CH26990_10M_QPSK_1RB49



Date: 13.MAY.2018 11:00:16

CH26990_10M_16-QAM_1RB24



Date: 13.MAY.2018 11:01:05

CH26965_15M_QPSK_1RB74



Date: 13.MAY 2018 11:02:46

CH26965_15M_16-QAM_1RB37



Date: 13.MAY 2018 11:03:30

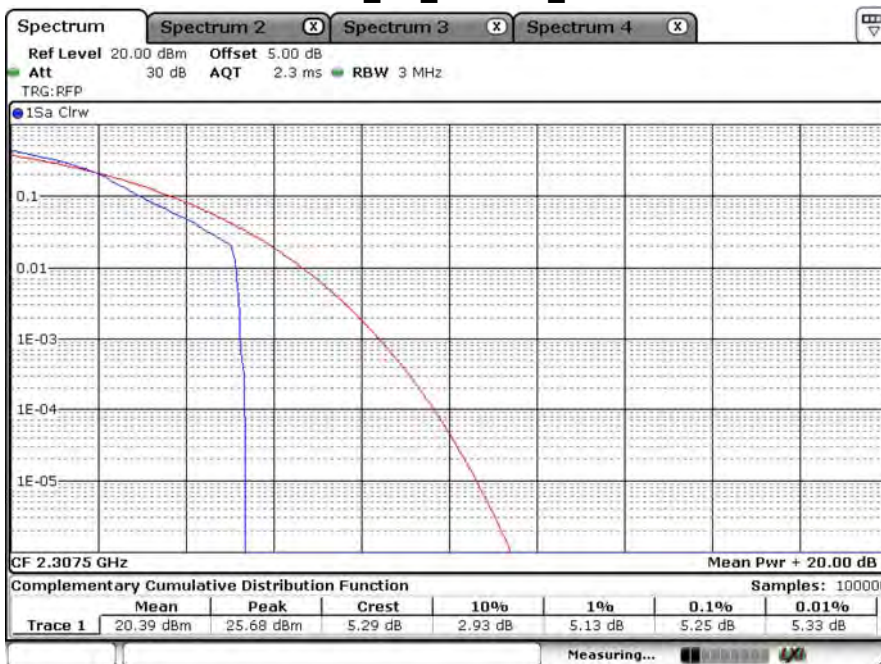
Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 13: LTE Band 30		
Date of Test	2018/05/13	Test Site	SR10-H

CH27685_5M_QPSK_1RB0



Date: 13.MAY.2018 11:06:12

CH27685_5M_16-QAM_1RB12



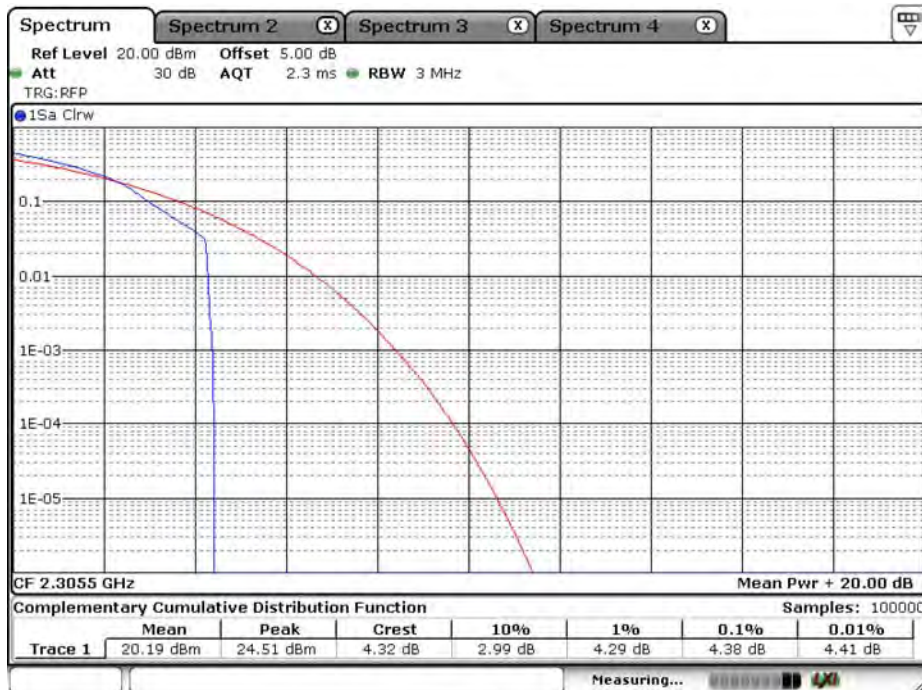
Date: 13.MAY.2018 11:05:26

CH27710_10M_QPSK_1RB0



Date: 13.MAY.2018 11:08:21

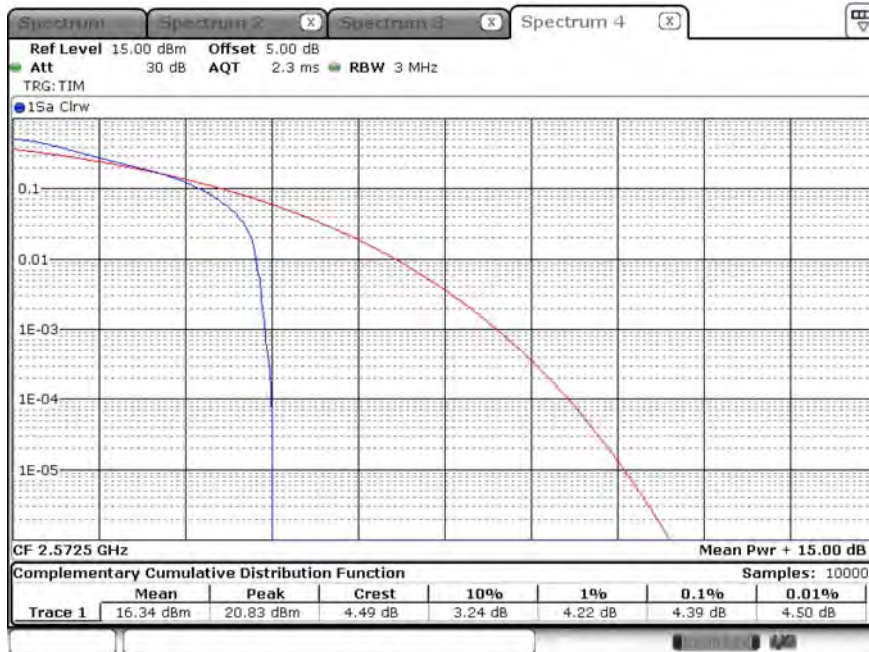
CH27710_10M_16-QAM_1RB0



Date: 13.MAY.2018 11:07:48

Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 14: LTE Band 38		
Date of Test	2018/05/15	Test Site	SR10-H

CH37775_5M_QPSK_1RB0



Date: 15 MAY 2018 20:11:00

CH37775_5M_16-QAM_1RB0



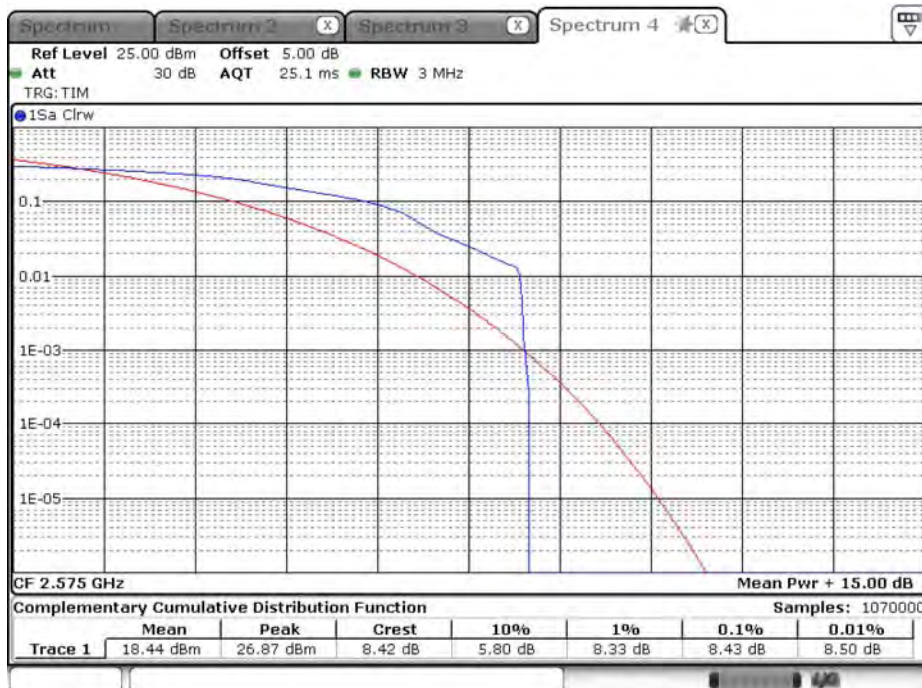
Date: 15 MAY 2018 20:09:16

CH37800_10M_QPSK_1RB24



Date: 18.MAY.2018 10:46:54

CH37800_10M_16-QAM_1RB24



Date: 18.MAY.2018 10:46:08

CH37825_15M_QPSK_1RB37



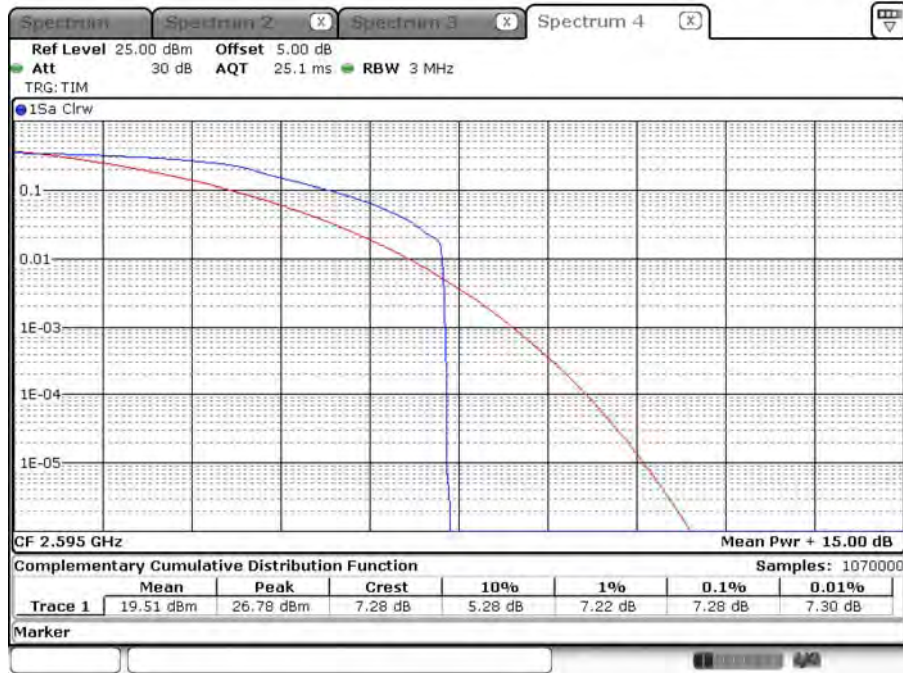
Date: 22 MAY 2018 20:54:37

CH38000_15M_16-QAM_1RB37



Date: 22 MAY 2018 20:55:06

CH38000_20M_QPSK_1RB99



Date: 22 MAY 2018 20:53:29

CH37850_20M_16-QAM_1RB49



Date: 22 MAY 2018 20:52:12

Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 15: LTE Band 41		
Date of Test	2018/05/18	Test Site	SR10-H

CH39675_5M_QPSK_1RB0



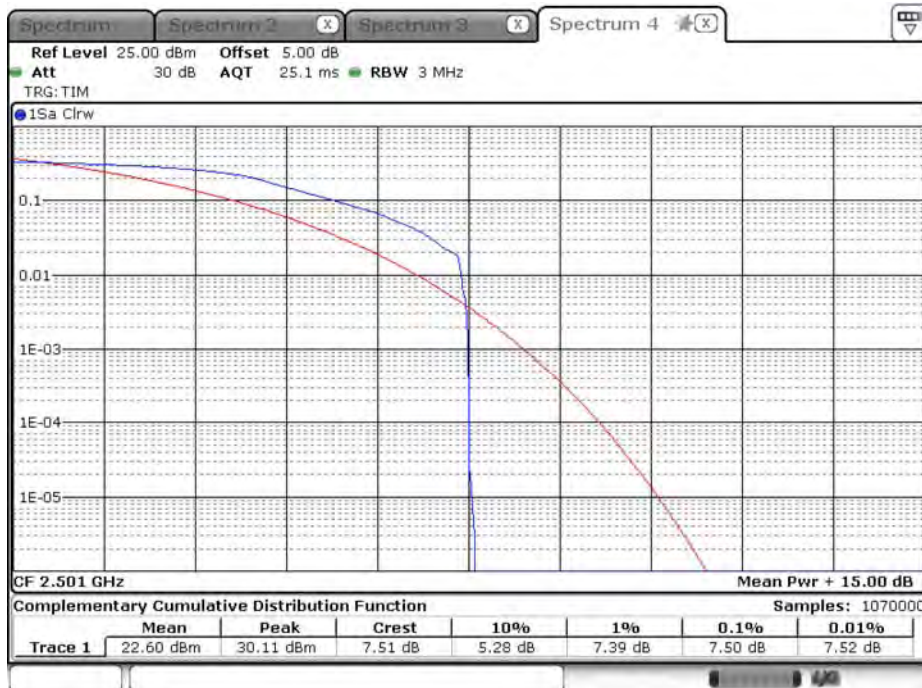
Date: 18.MAY.2018 16:28:02

CH39675_5M_16-QAM_1RB0



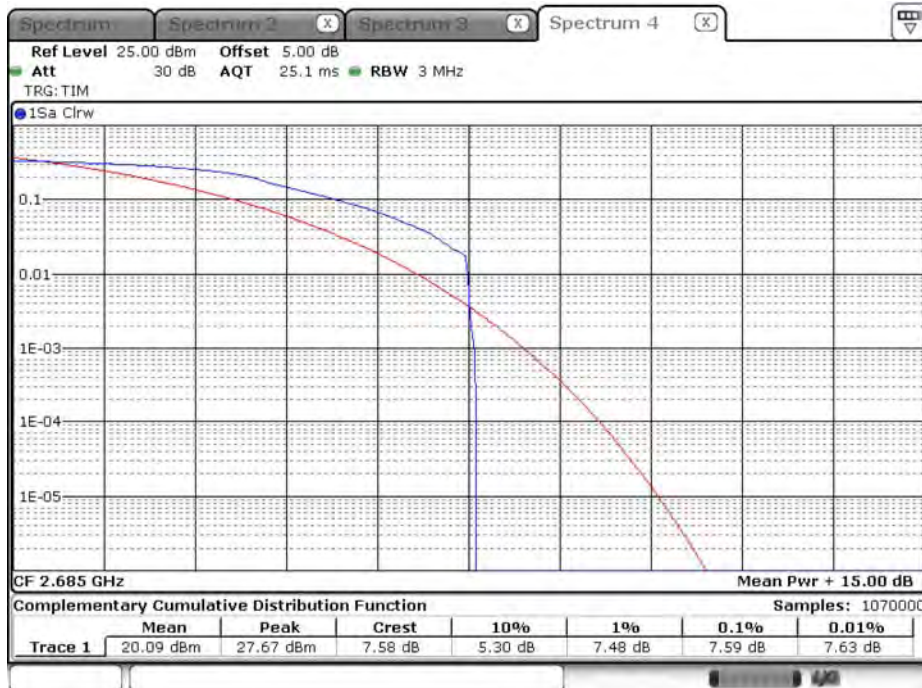
Date: 18.MAY.2018 16:29:20

CH39700_10M_QPSK_1RB24



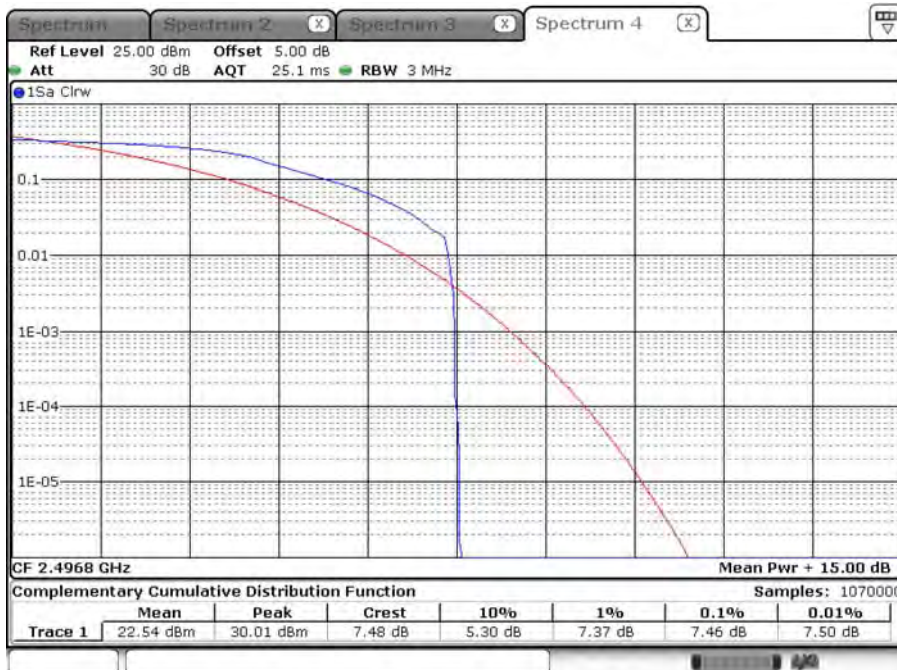
Date: 18.MAY.2018 11:55:23

CH41540_10M_16-QAM_1RB24



Date: 18.MAY.2018 11:56:20

CH39725_15M_QPSK_1RB0



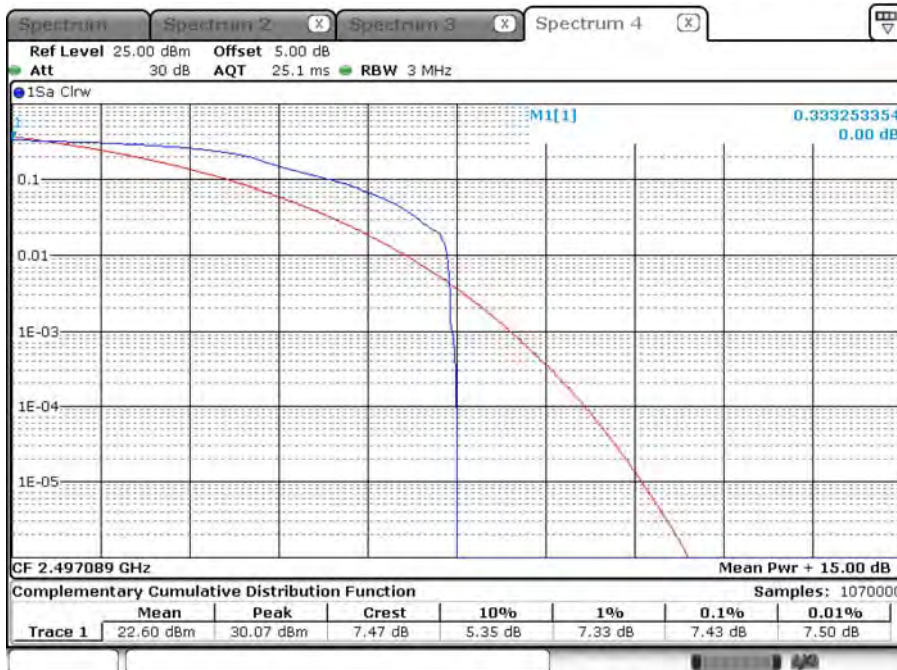
Date: 18.MAY.2018 17:46:10

CH39725_15M_16-QAM_1RB0



Date: 18.MAY.2018 17:44:55

CH39750_20M_QPSK_1RB0



Date: 18.MAY.2018 17:56:08

CH39750_20M_16-QAM_1RB0



Date: 18.MAY.2018 17:56:47

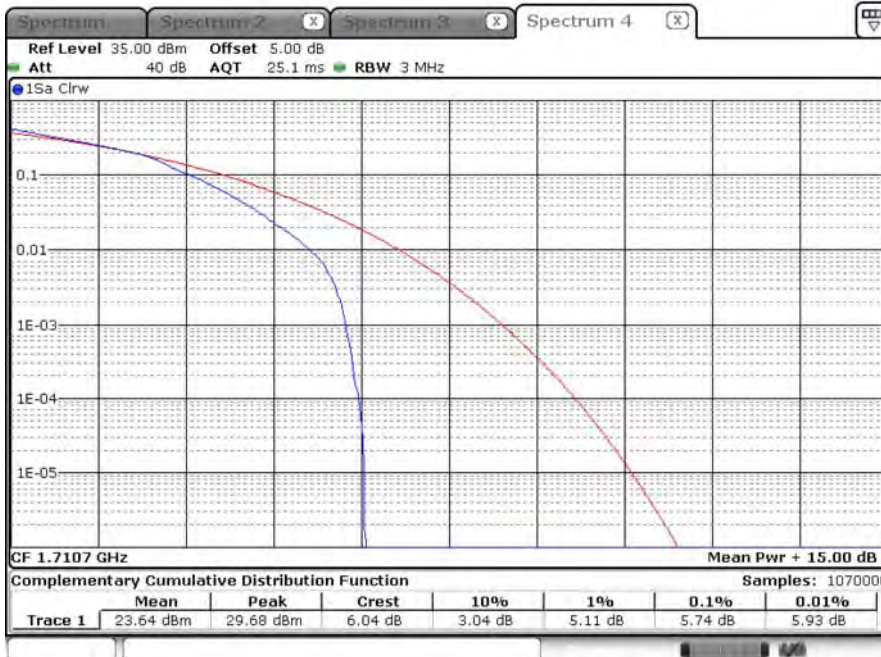
Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 16: LTE Band 66		
Date of Test	2018/05/24	Test Site	SR10-H

CH131979_1.4M_QPSK_3RB1



Date: 24 MAY 2018 11:11:52

CH131979_1.4M_16-QAM_3RB1



Date: 24 MAY 2018 11:12:35

CH131987_3M_QPSK_1RB7



Date: 24.MAY.2018 11:36:53

CH132322_3M_16-QAM_1RB7



Date: 24.MAY.2018 11:38:20

CH131997_5M_QPSK_1RB0



Date: 24.MAY.2018 11:42:40

CH132647_5M_16-QAM_12RB6



Date: 24.MAY.2018 11:43:27

CH132022_10M_QPSK_1RB0



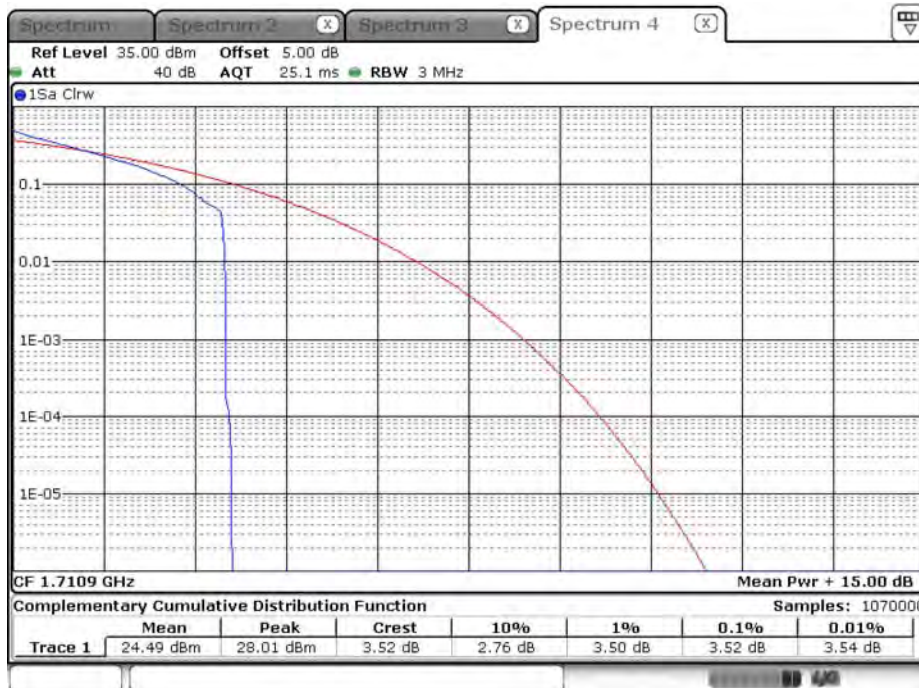
Date: 24.MAY.2018 11:50:13

CH132022_10M_16-QAM_1RB49



Date: 24.MAY.2018 11:51:23

CH132047_15M_QPSK_1RB0



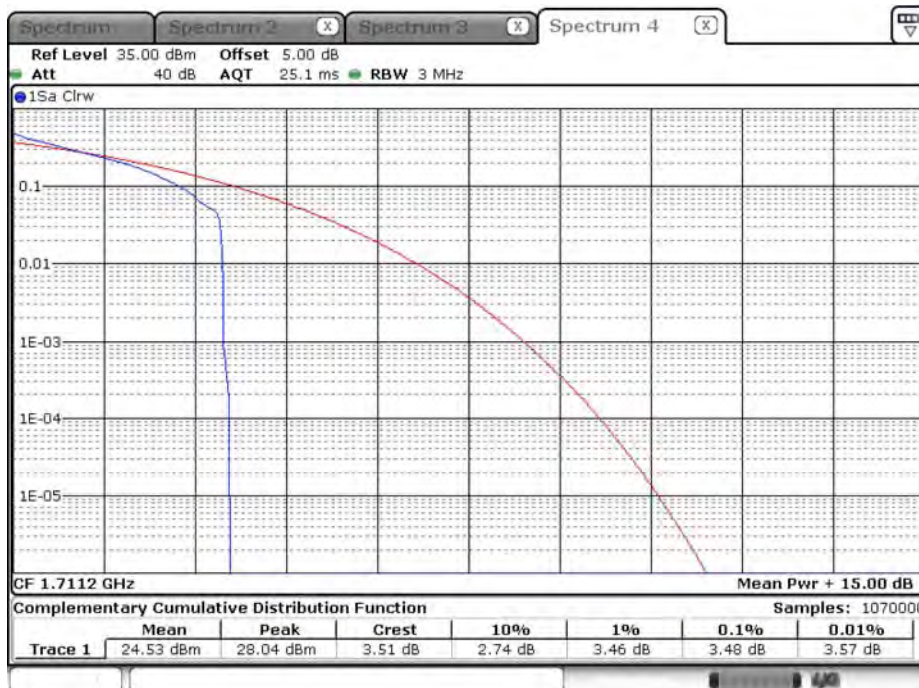
Date: 24.MAY.2018 13:08:47

CH132047_15M_16-QAM_1RB37



Date: 24.MAY.2018 13:10:38

CH132072_20M_QPSK_1RB0



Date: 24.MAY.2018 13:21:37

CH132072_20M_16-QAM_1RB49



Date: 24.MAY.2018 13:23:03

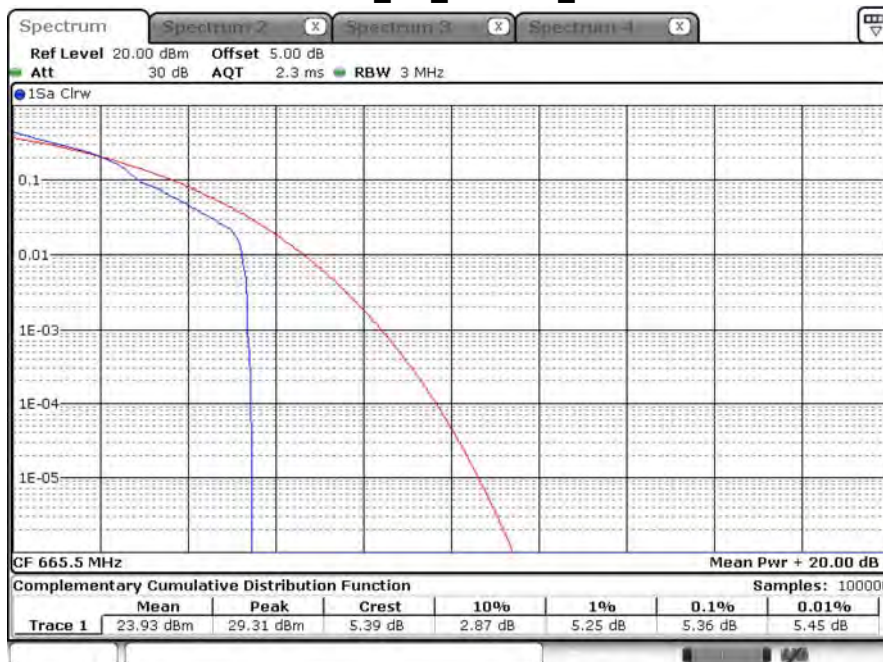
Product	LM960		
Test Item	Peak To Average Ratio		
Test Mode	Mode 17: LTE Band 71		
Date of Test	2018/05/22	Test Site	SR10-H

CH133147_5M_QPSK_1RB12



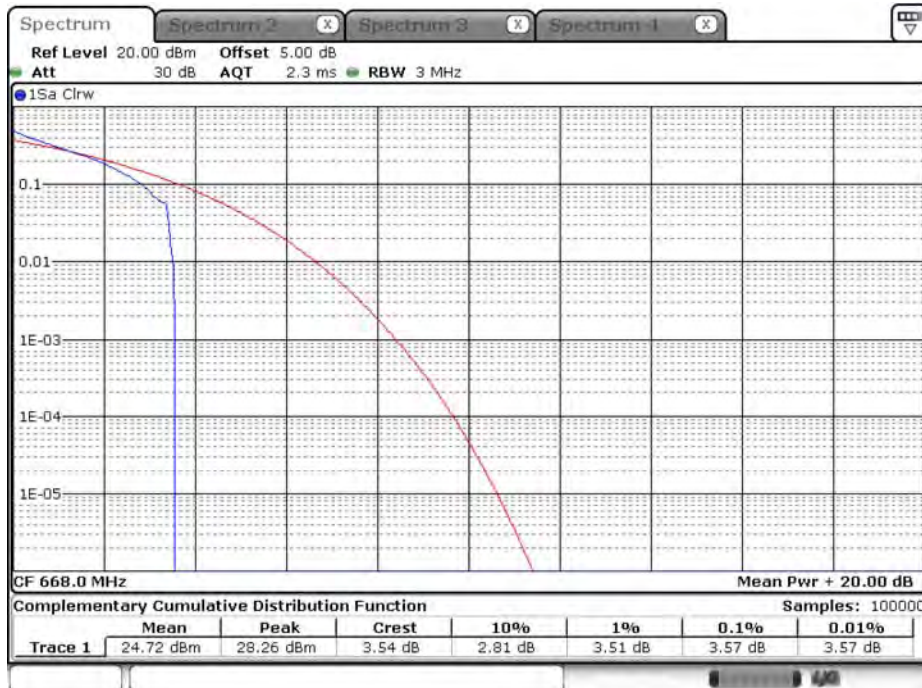
Date: 22 MAY 2018 10:27:42

CH133147_5M_16-QAM_1RB12



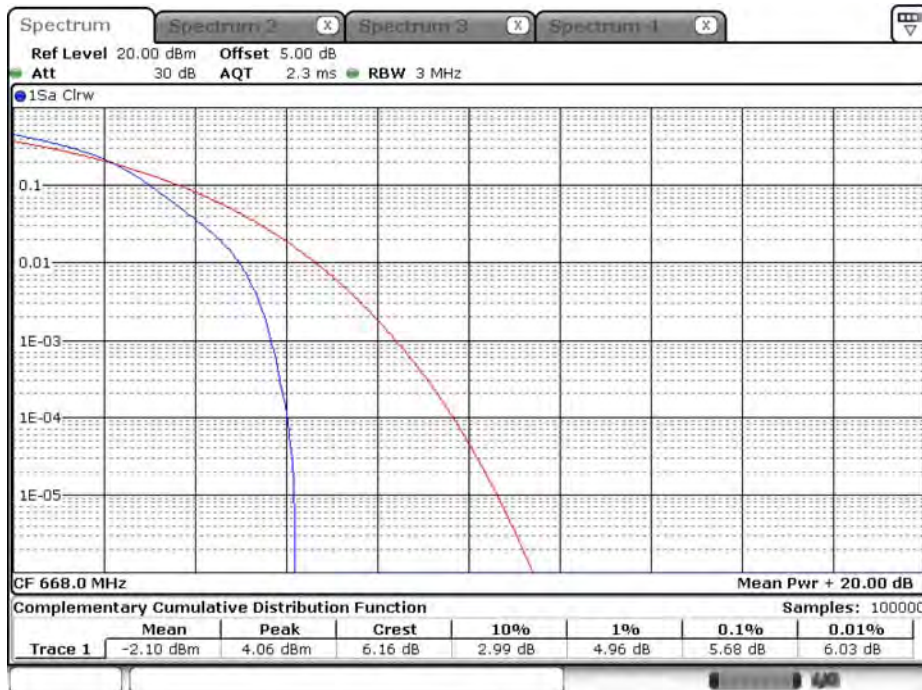
Date: 22 MAY 2018 10:28:48

CH133172_10M_QPSK_1RB24



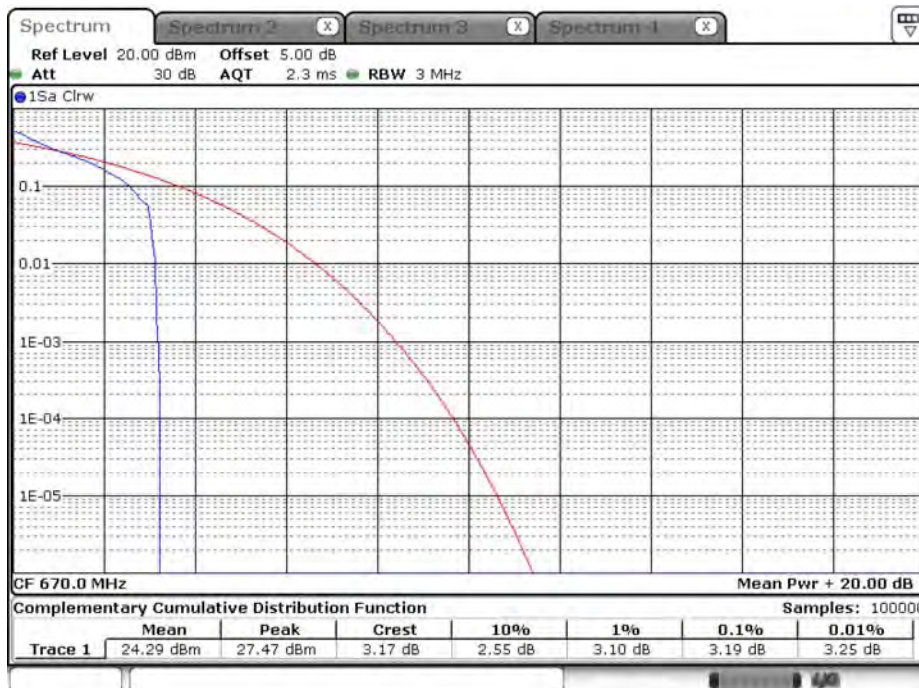
Date: 22.MAY.2018 10:36:02

CH133172_10M_16-QAM_1RB49



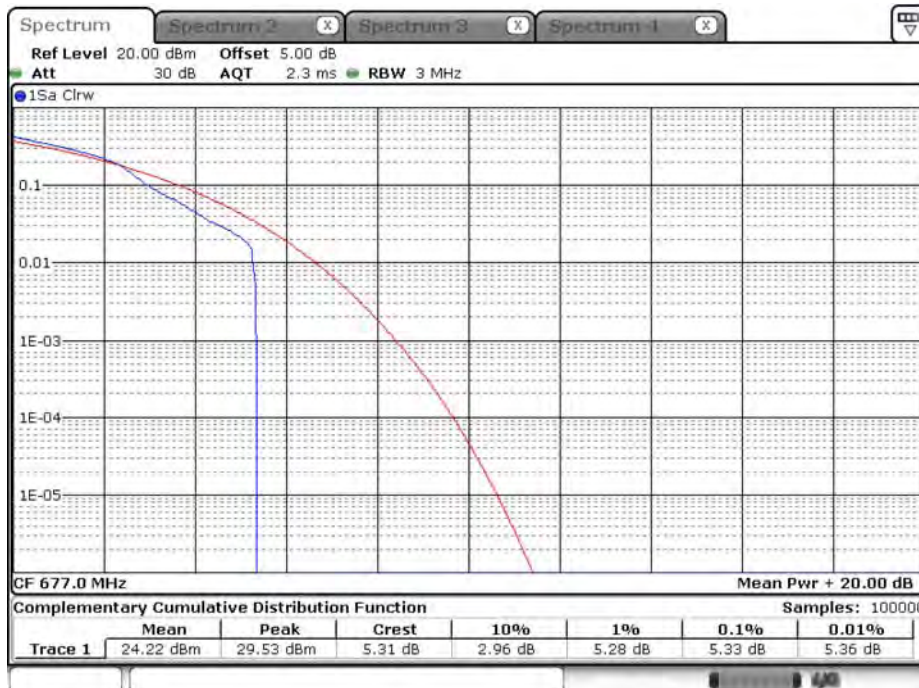
Date: 22.MAY.2018 10:38:48

CH133197_15M_QPSK_1RB37



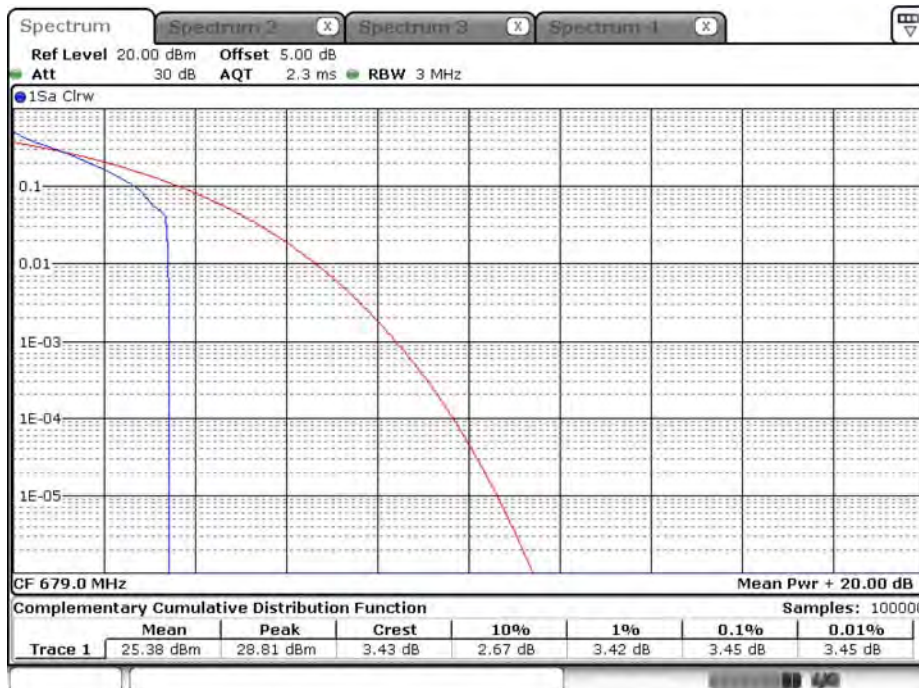
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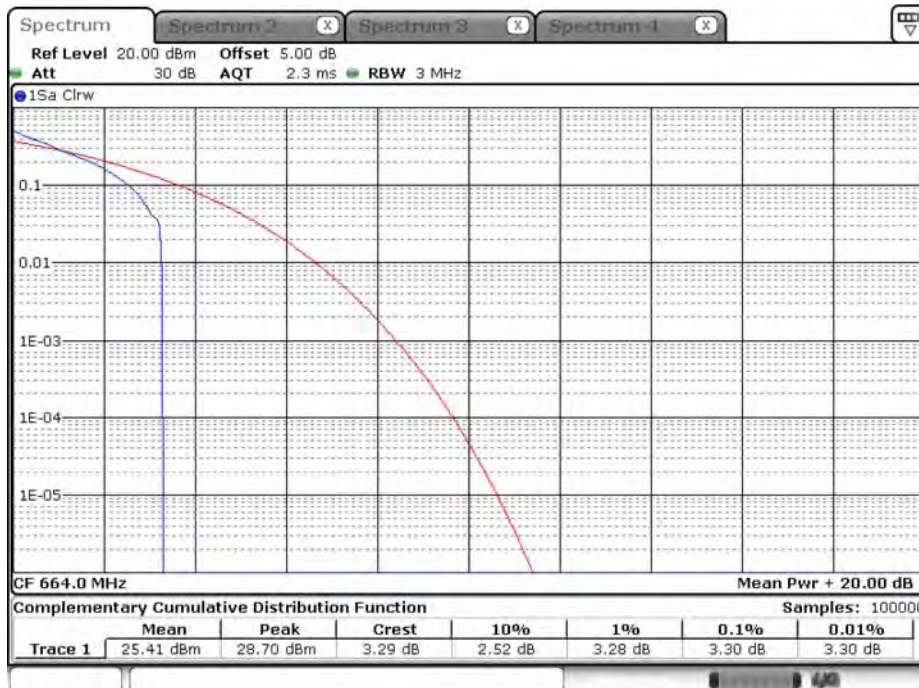
Date: 22.MAY.2018 13:36:59

CH133371_20M_QPSK_1RB0



Date: 22.MAY.2018 13:50:16

CH133222_20M_16-QAM_1RB0



Date: 22.MAY.2018 13:46:15