

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



Date: 8.AUG.2018 17:00:26

CH20175_15M_1RB37_16-QAM



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

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



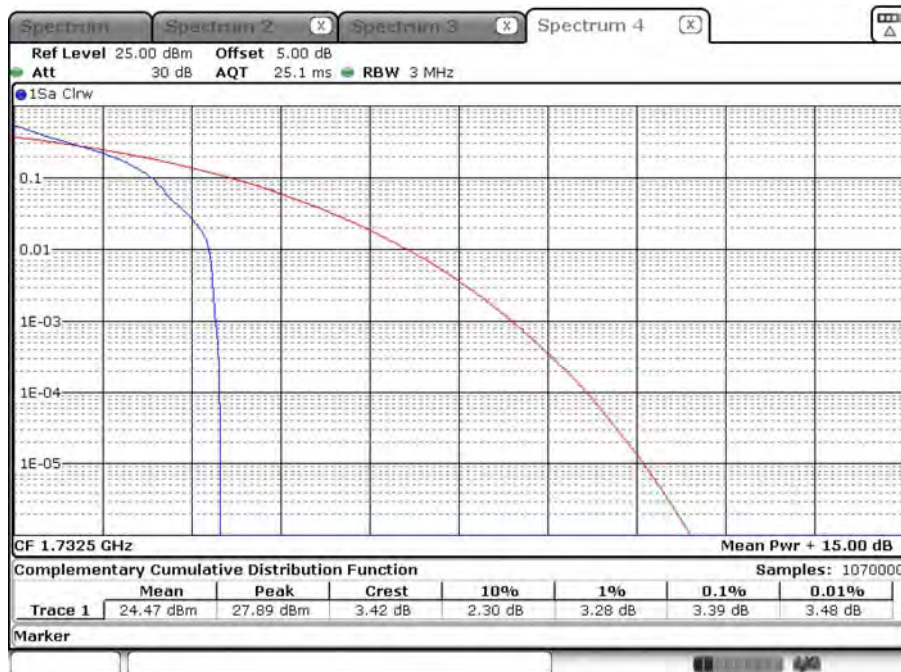
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Date: 8.AUG.2018 17:16:11

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



Date: 8.AUG.2018 17:20:58

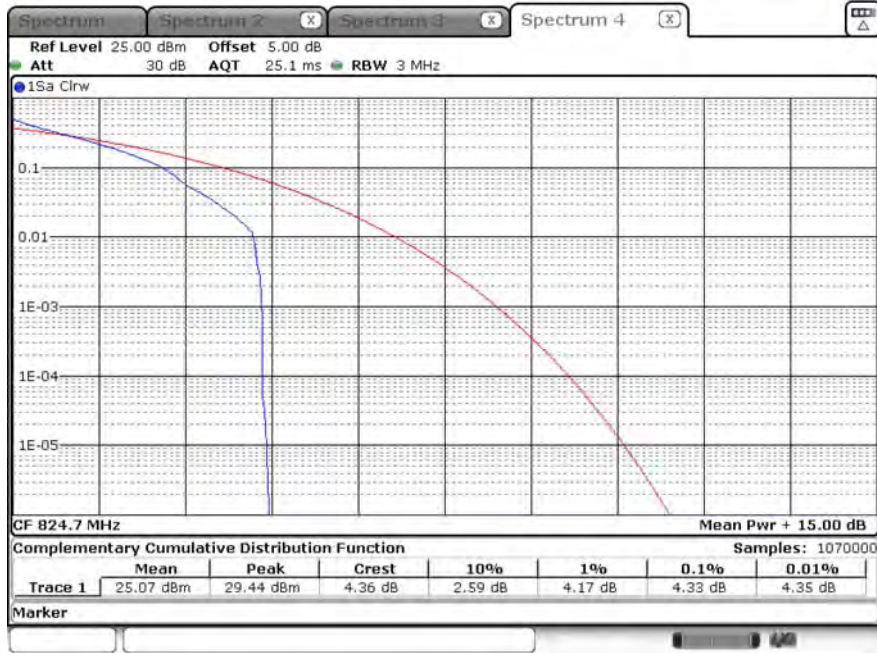
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Date: 8.AUG.2018 17:21:26

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



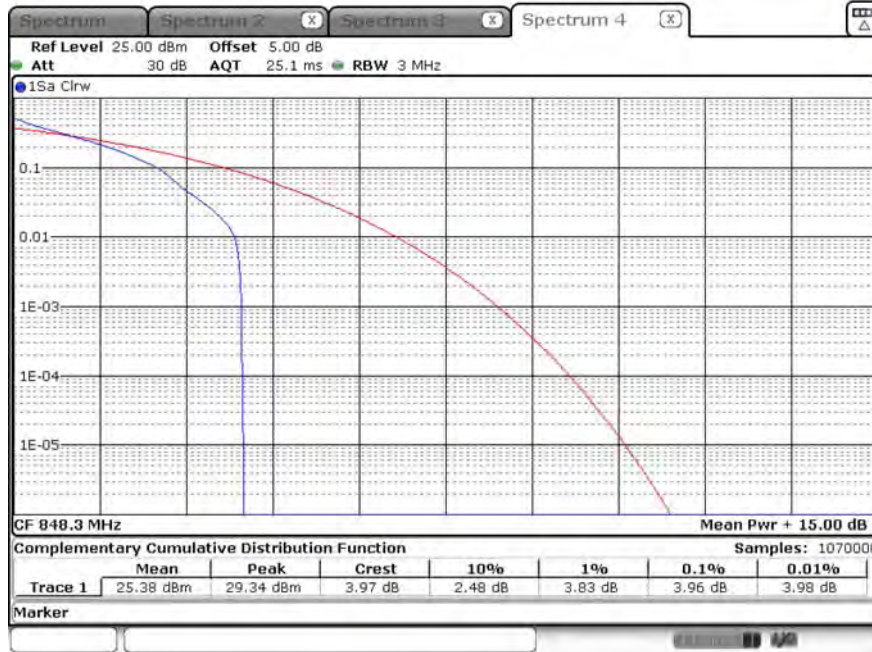
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Date: 8.AUG.2018 17:44:49

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



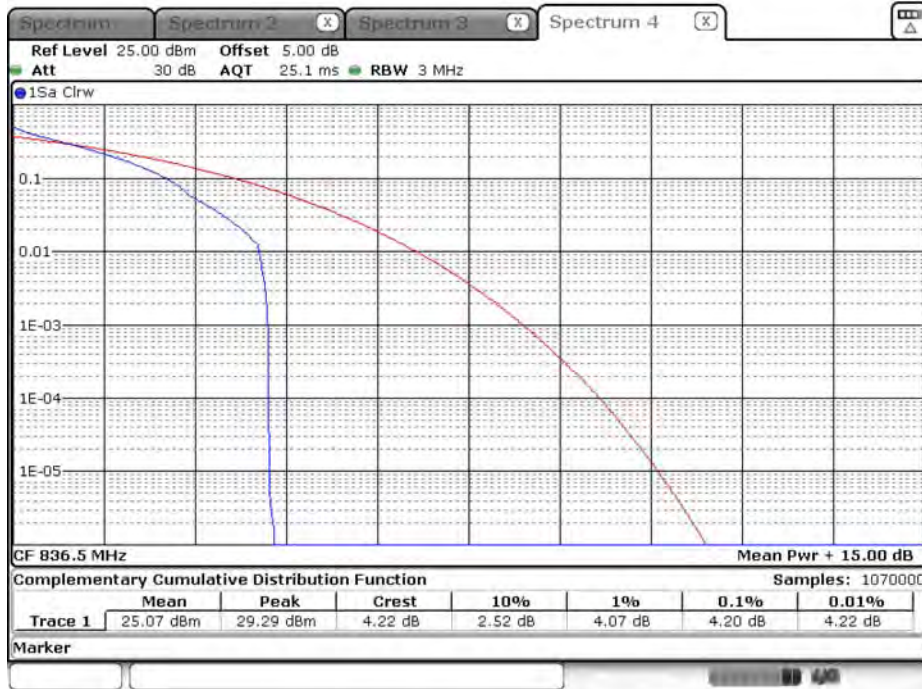
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CH20415_3M_1RB7_16-QAM



Date: 8 AUG.2018 17:50:12

CH20525_3M_1RB7_QPSK



Date: 8 AUG.2018 17:51:05

CH20525_3M_1RB7_16-QAM



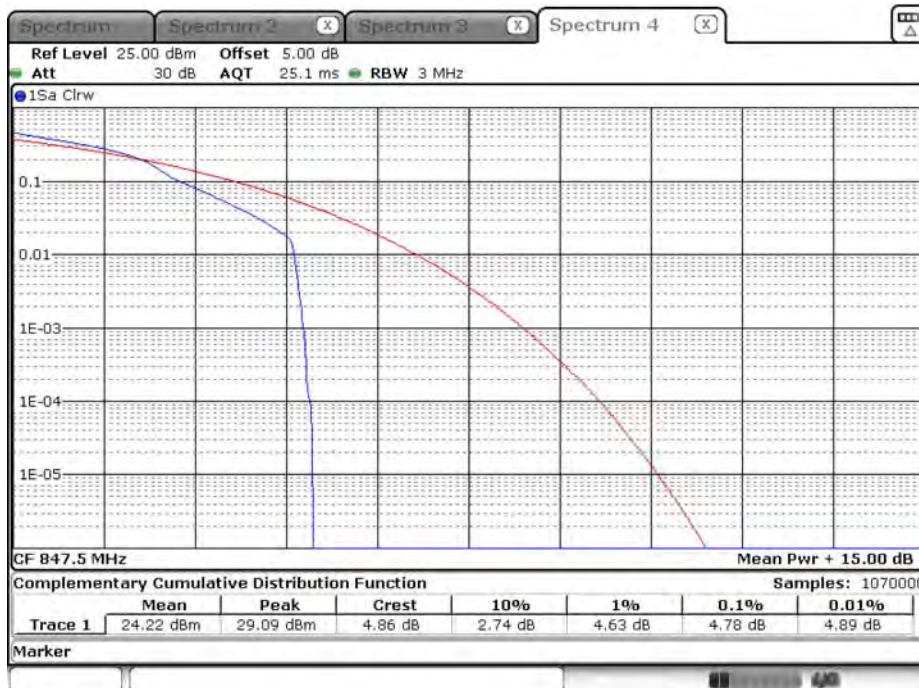
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CH20635_3M_1RB7_QPSK



Date: 8 AUG.2018 17:51:59

CH20635_3M_1RB7_16-QAM



Date: 8 AUG.2018 17:52:09

CH20425_5M_1RB12_QPSK



Date: 8.AUG.2018 17:53:13

CH20425_5M_1RB12_16-QAM



Date: 8.AUG.2018 17:53:27

CH20525_5M_1RB12_QPSK



Date: 8.AUG.2018 17:53:57

CH20525_5M_1RB12_16-QAM



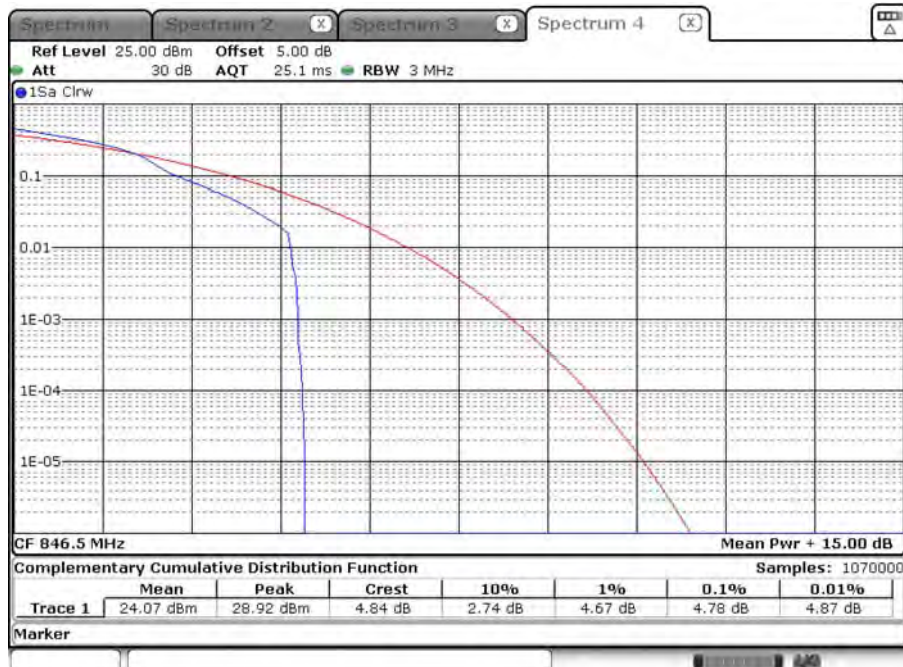
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CH20625_5M_1RB0_QPSK



Date: 8 AUG.2018 17:55:12

CH20625_5M_1RB12_16-QAM



Date: 8 AUG.2018 17:55:27

CH20450_10M_1RB0_QPSK



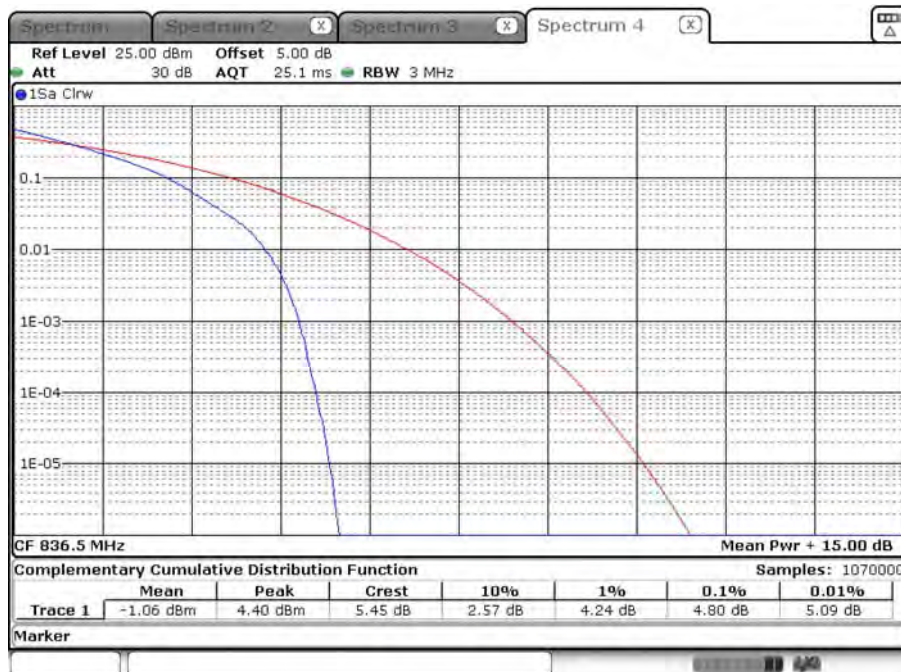
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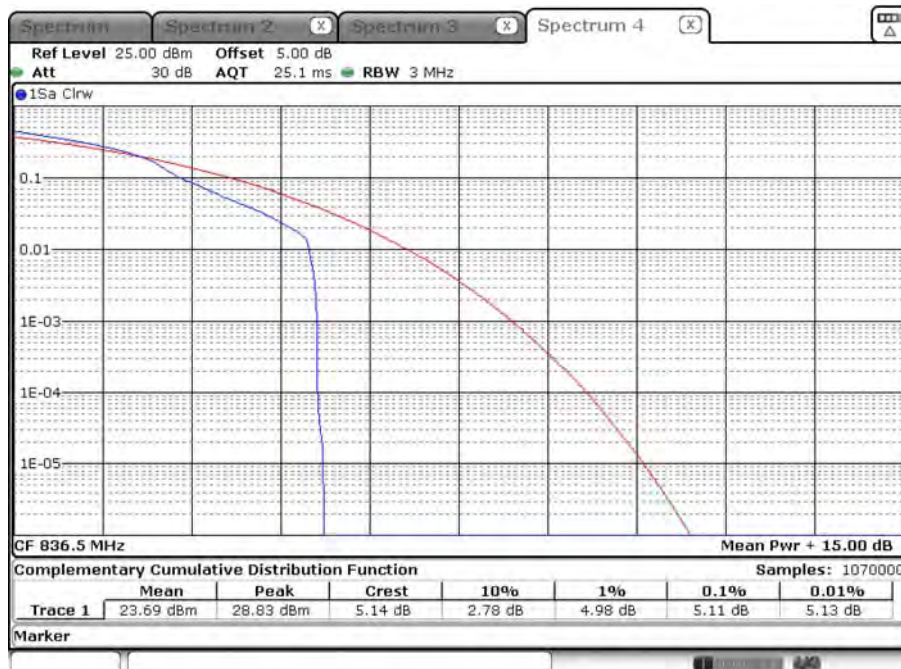
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Date: 8 AUG.2018 17:59:00

CH20525_10M_1RB24_16-QAM



Date: 8 AUG.2018 17:59:38

CH20600_10M_1RB24_QPSK



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

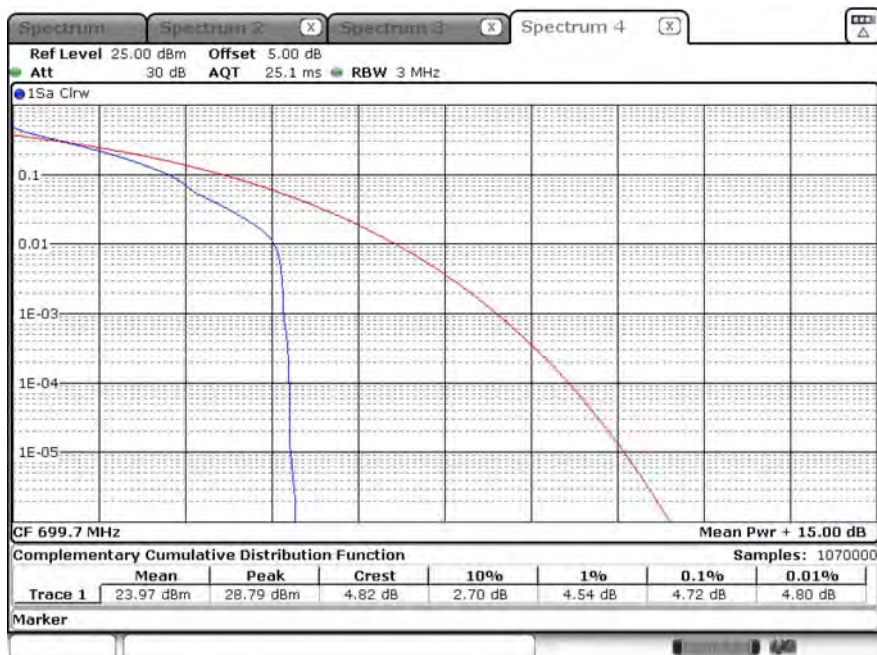
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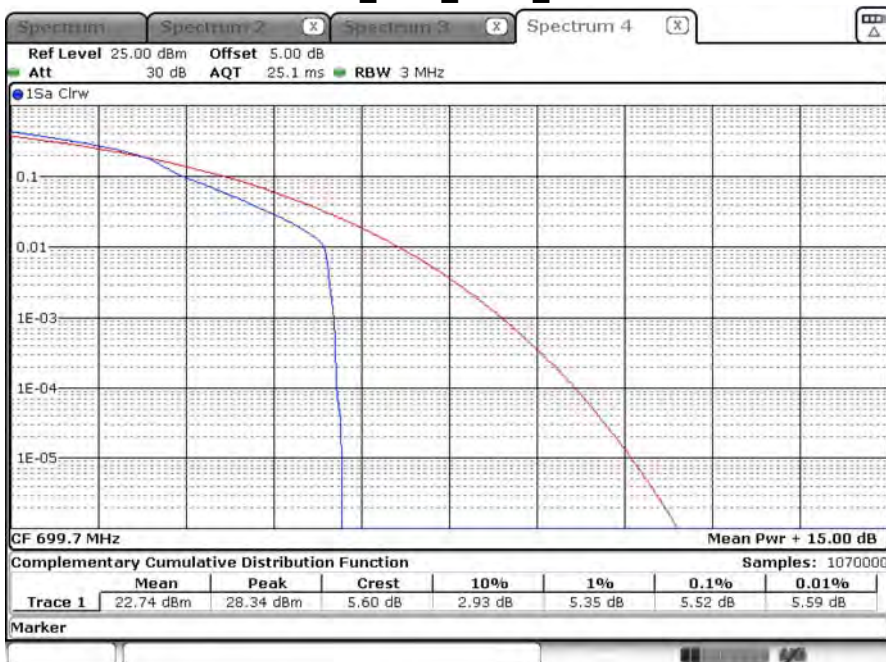
Product	LE910C4-NF		
Test Item	Peak To Average Ratio		
Test Mode	Mode 4: LTE Band 12		
Date of Test	2018/08/08	Test Site	SR10-H

CH23017_1.4M_1RB5_QPSK



Date: 8 AUG.2018 19:09:00

CH23017_1.4M_1RB5_16-QAM



Date: 8 AUG 2018 19:13:46

CH23097_1.4M_1RB2_QPSK



Date: 8.AUG.2018 19:16:25

CH23097_1.4M_1RB2_16-QAM



Date: 8.AUG.2018 19:18:59

CH23173_1.4M_1RB2_QPSK



Date: 8.AUG.2018 19:21:35

CH23173_1.4M_3RB1_16-QAM



Date: 8.AUG.2018 19:24:39

CH23025_3M_1RB7_QPSK



Date: 8.AUG.2018 19:26:27

CH23025_3M_1RB7_16-QAM



Date: 8.AUG.2018 19:27:10

CH23095_3M_1RB7_QPSK



Date: 8 AUG.2018 19:28:03

CH23095_3M_1RB0_16-QAM



Date: 8 AUG.2018 19:28:29

CH23165_3M_1RB7_QPSK



Date: 8 AUG.2018 19:29:36

CH23165_3M_1RB7_16-QAM



Date: 8 AUG.2018 19:30:39

CH23035_5M_1RB12_QPSK



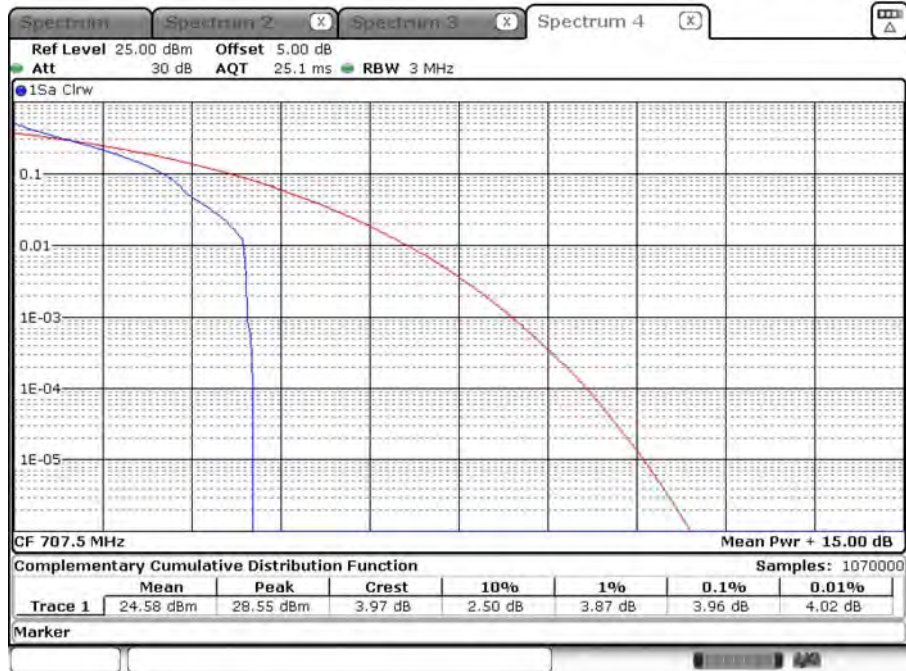
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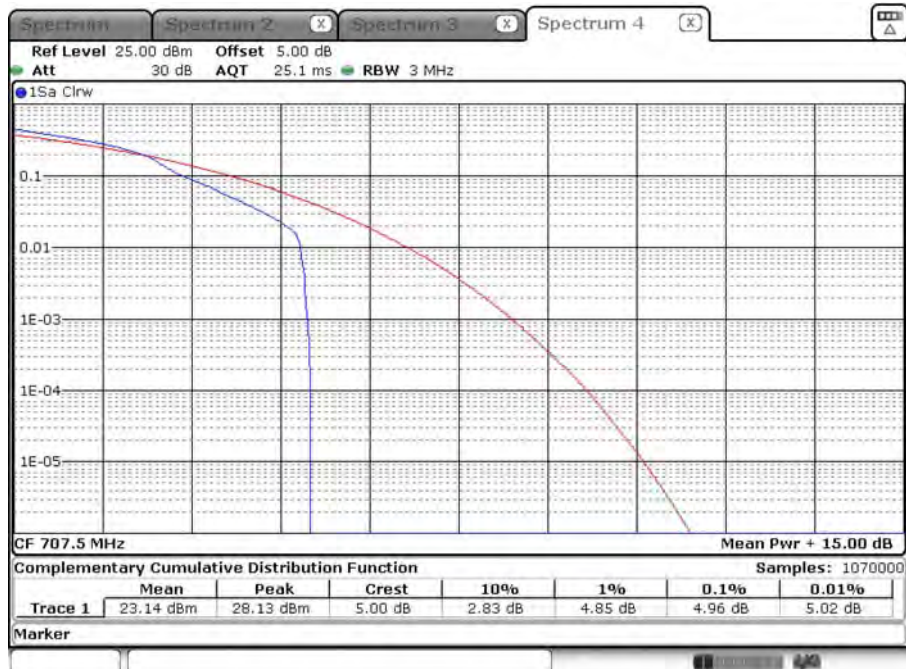
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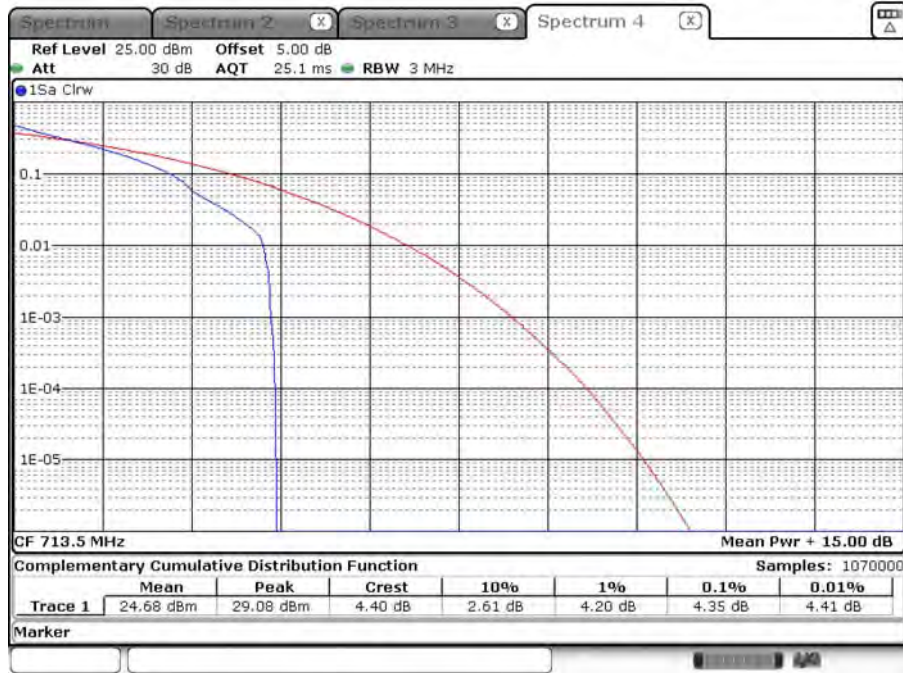
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CH23155_5M_1RB12_QPSK



Date: 8.AUG.2018 19:40:58

CH23155_5M_1RB12_16-QAM



Date: 8.AUG.2018 19:39:47

CH23060_10M_1RB24_QPSK



Date: 8.AUG.2018 19:47:24

CH23060_10M_1RB24_16-QAM



Date: 8.AUG.2018 19:48:40

CH23095_10M_1RB49_QPSK



Date: 8.AUG.2018 19:51:08

CH23095_10M_1RB49_16-QAM



Date: 8.AUG.2018 19:50:43

CH23130_10M_1RB49_QPSK



Date: 8 AUG.2018 19:52:02

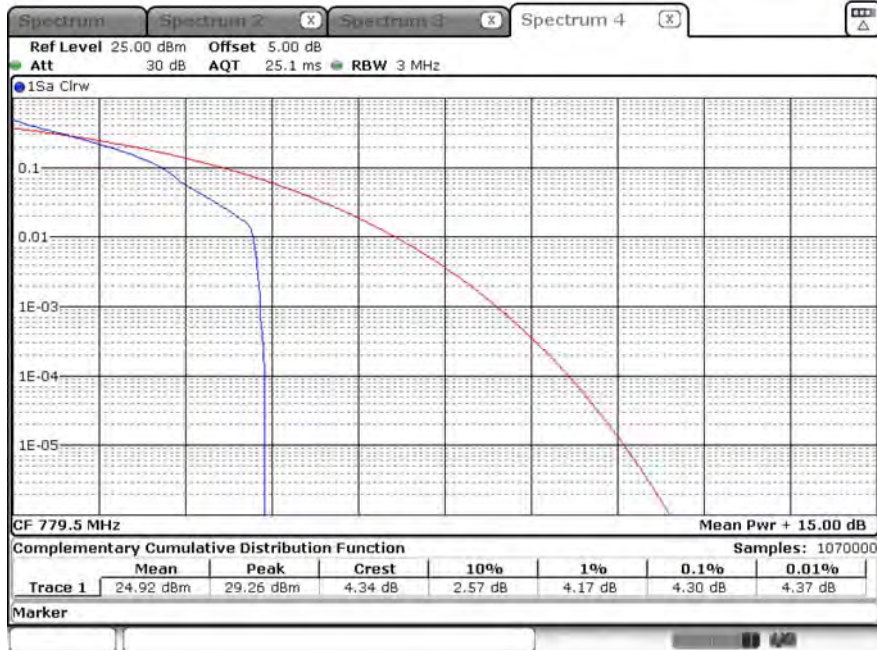
CH23130_10M_1RB49_16-QAM



Date: 8 AUG.2018 19:52:16

Product	LE910C4-NF		
Test Item	Peak To Average Ratio		
Test Mode	Mode 5: LTE Band 13		
Date of Test	2018/08/08	Test Site	SR10-H

CH23205_5M_1RB12_QPSK



Date: 8 AUG.2018 19:55:01

CH23205_5M_1RB24_16-QAM



Date: 8.AUG.2018 19:56:16

CH23230_5M_1RB12_QPSK



Date: 8.AUG.2018 19:58:43

CH23230_5M_1RB12_16-QAM



Date: 8.AUG.2018 19:57:26

CH23255_5M_1RB12_QPSK



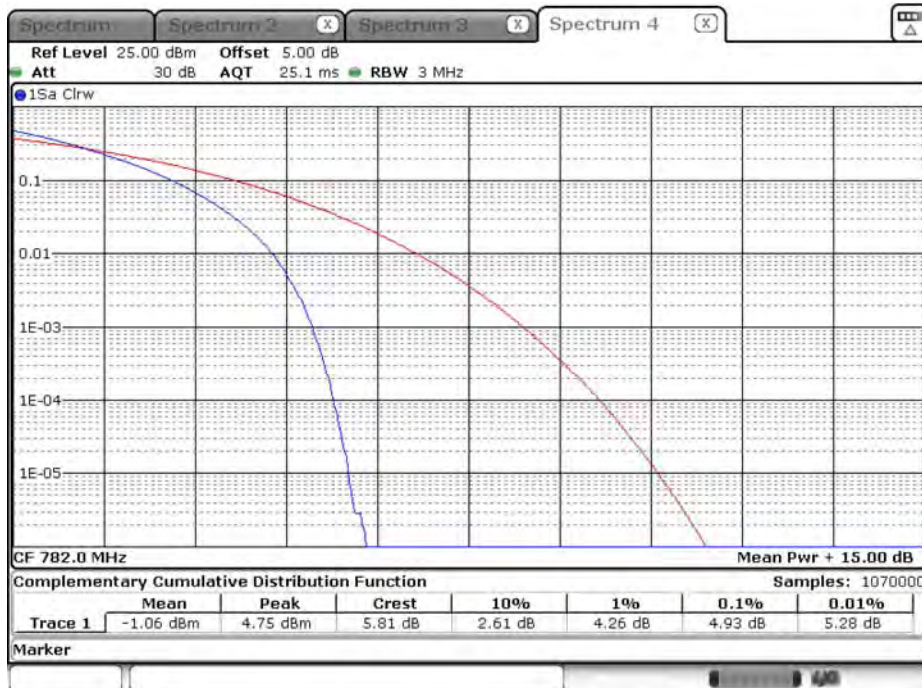
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CH23255_5M_1RB24_16-QAM



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CH23230_10M_1RB49_QPSK



Date: 8 AUG.2018 20:03:39

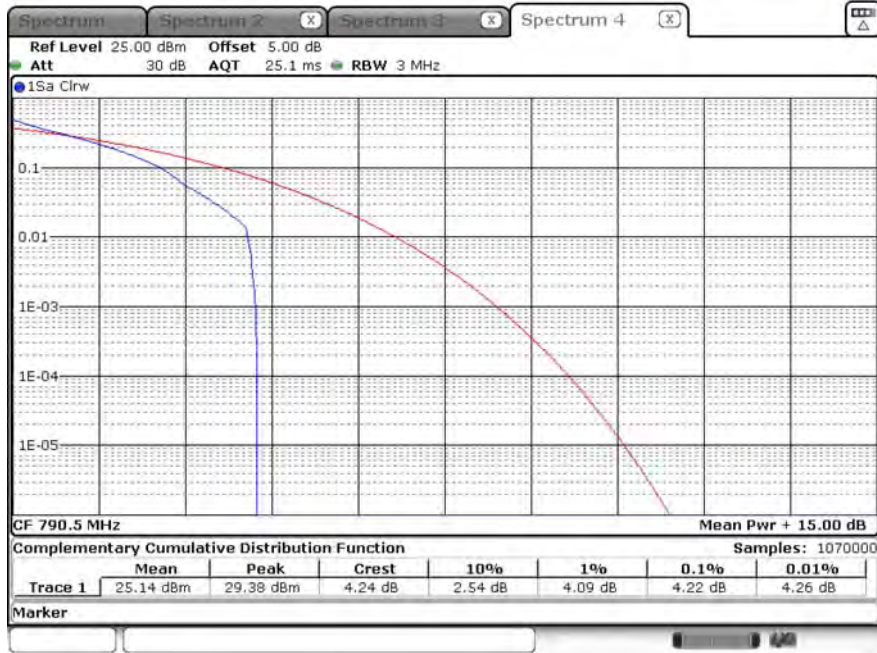
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Date: 8 AUG.2018 20:09:34

Product	LE910C4-NF		
Test Item	Peak To Average Ratio		
Test Mode	Mode 6: LTE Band 14		
Date of Test	2018/08/08	Test Site	SR10-H

CH23305_5M_1RB12_QPSK



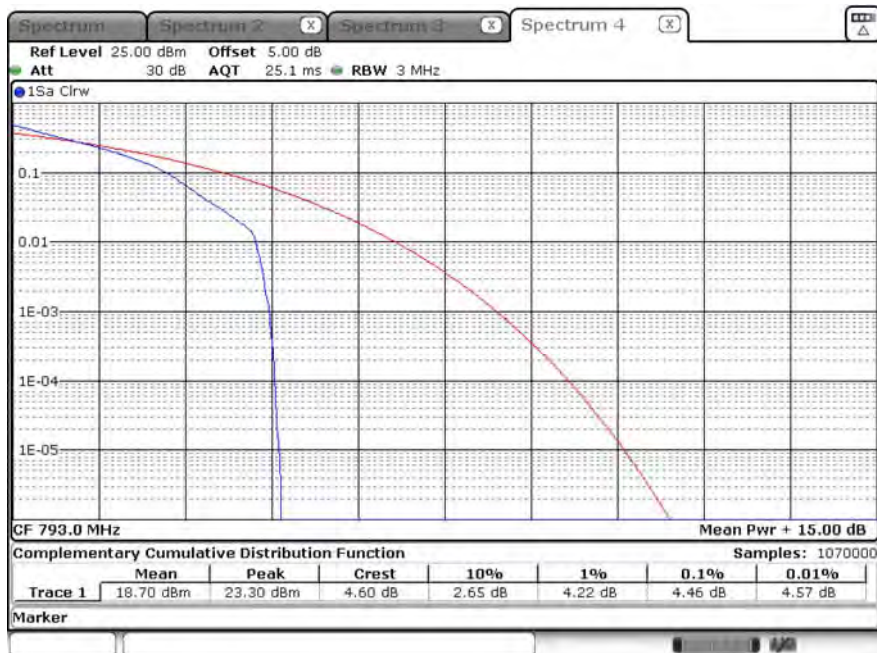
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Date: 8 AUG 2018 20:28:29

CH23330_5M_1RB24_QPSK



Date: 8.AUG.2018 20:35:28

CH23330_5M_1RB12_16-QAM



Date: 8.AUG.2018 20:31:56

CH23355_5M_1RB12_QPSK



Date: 8.AUG.2018 20:40:12

CH23355_5M_1RB12_16-QAM



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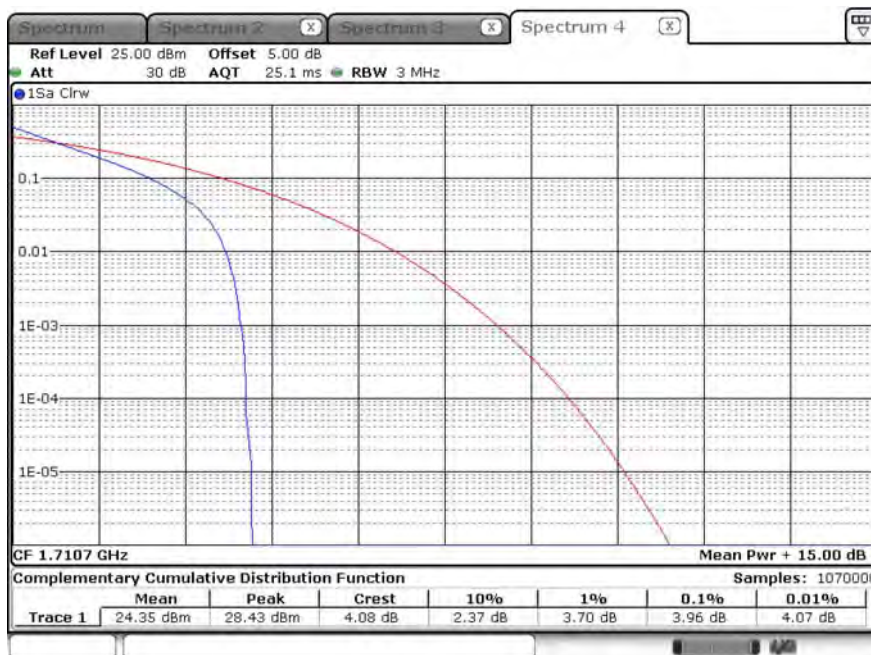
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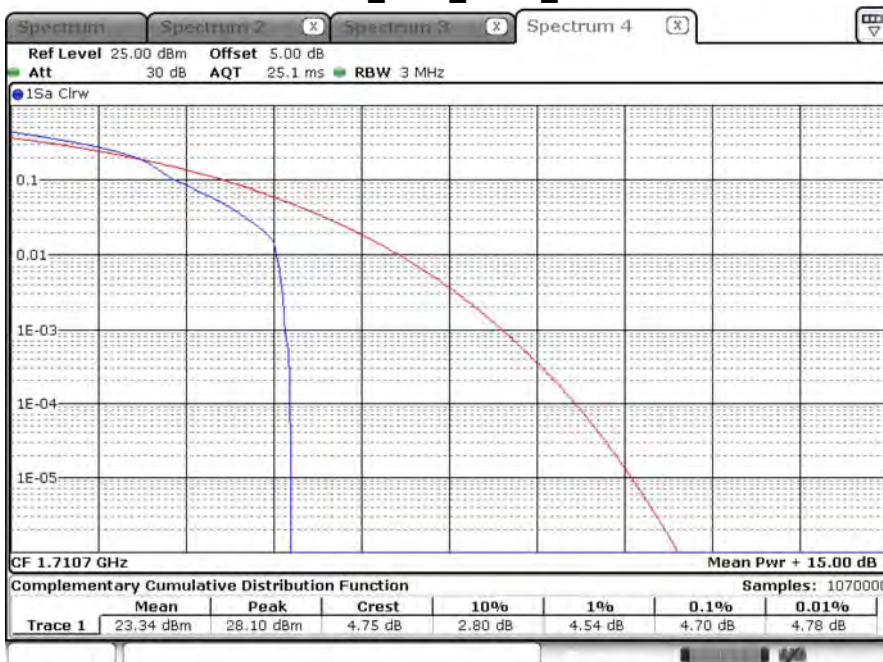
Product	LE910C4-NF		
Test Item	Peak To Average Ratio		
Test Mode	Mode 7: LTE Band 66		
Date of Test	2018/08/08	Test Site	SR10-H

CH131979_1.4M_3RB2_QPSK



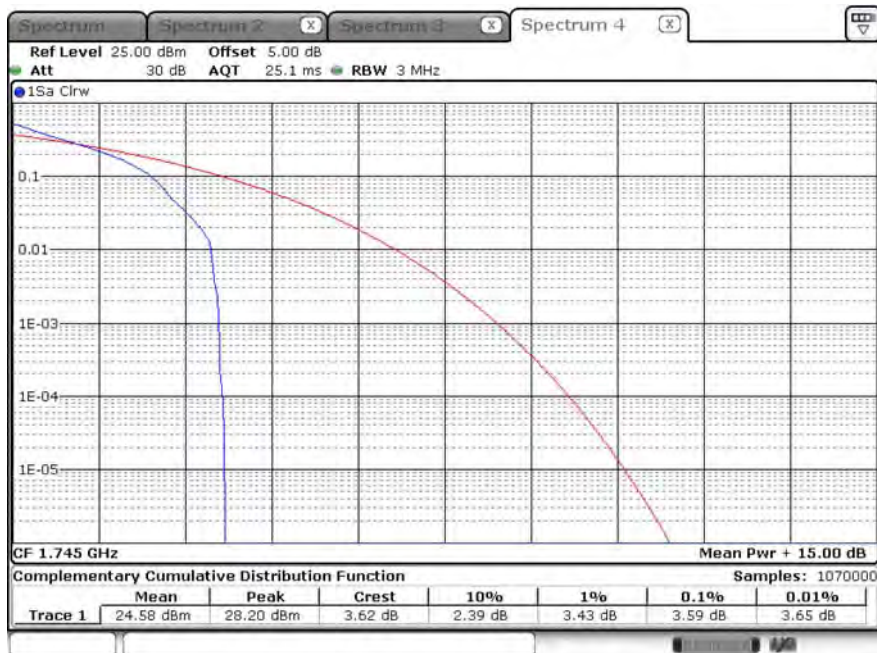
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CH131979_1.4M_1RB2_16-QAM



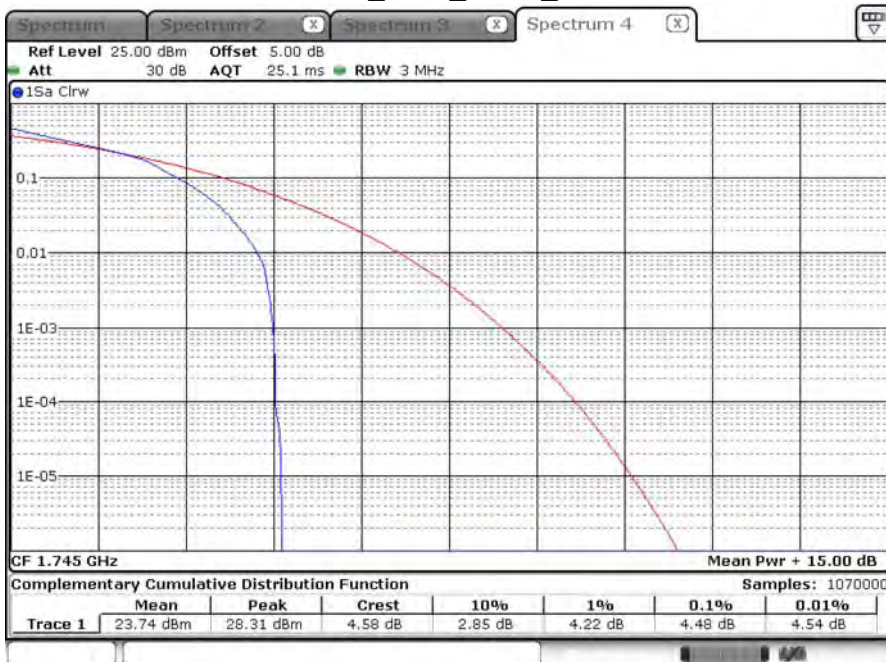
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CH132322_1.4M_1RB2_QPSK



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Date: 7.AUG.2018 16:23:51

CH132665_1.4M_2RB0_QPSK



Date: 7.AUG.2018 16:24:26

CH132665_1.4M_3RB2_16-QAM



Date: 7.AUG.2018 16:24:45

CH131987_3M_1RB7_QPSK



Date: 7.AUG.2018 16:19:11

CH131987_3M_1RB7_16-QAM



Date: 7.AUG.2018 16:19:41

CH132322_3M_1RB7_QPSK



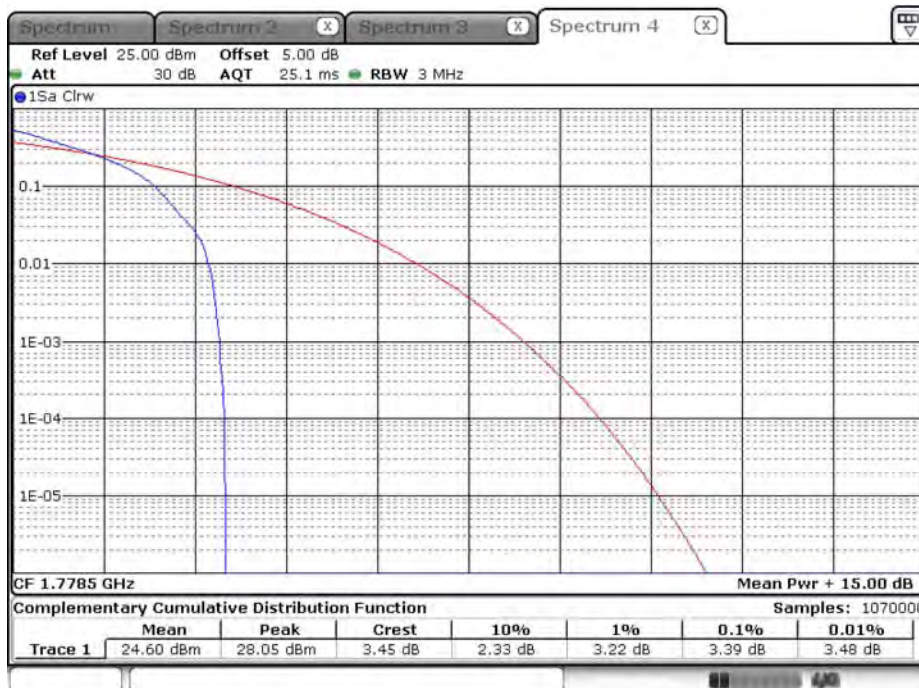
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CH132657_3M_1RB7_QPSK



Date: 7.AUG.2018 16:21:01

CH132657_3M_1RB7_16-QAM



Date: 7.AUG.2018 16:21:38

CH131997_5M_1RB12_QPSK



Date: 7.AUG.2018 16:14:39

CH131997_5M_1RB12_16-QAM



Date: 7.AUG.2018 16:15:15

CH132322_5M_1RB24_QPSK



Date: 7.AUG.2018 16:15:56

CH132322_5M_1RB12_16-QAM



Date: 7.AUG.2018 16:16:27

CH132647_5M_1RB0_QPSK



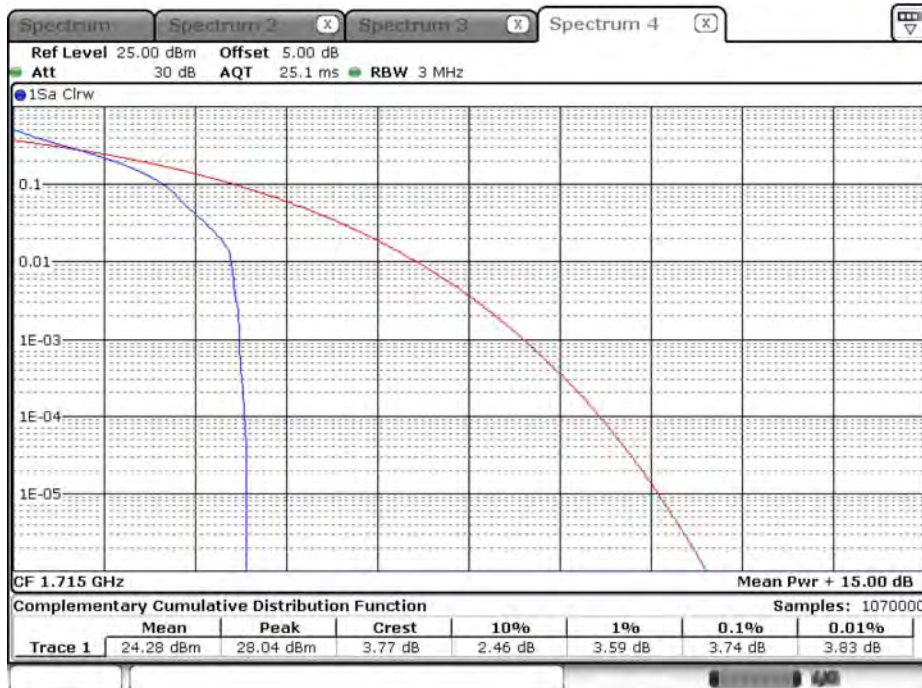
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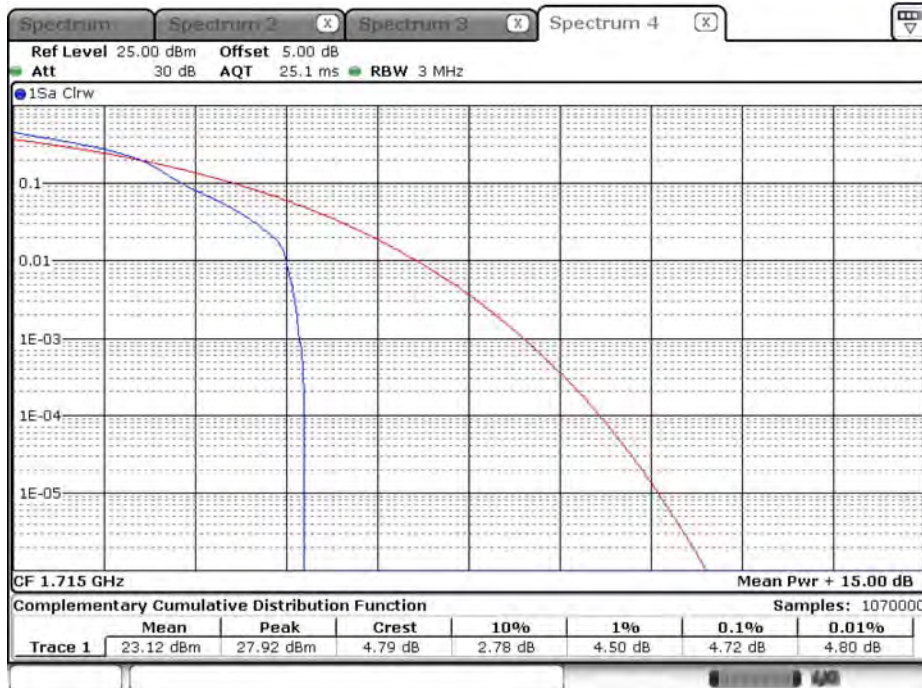
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CH132022_10M_1RB24_QPSK



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CH132022_10M_1RB24_16-QAM



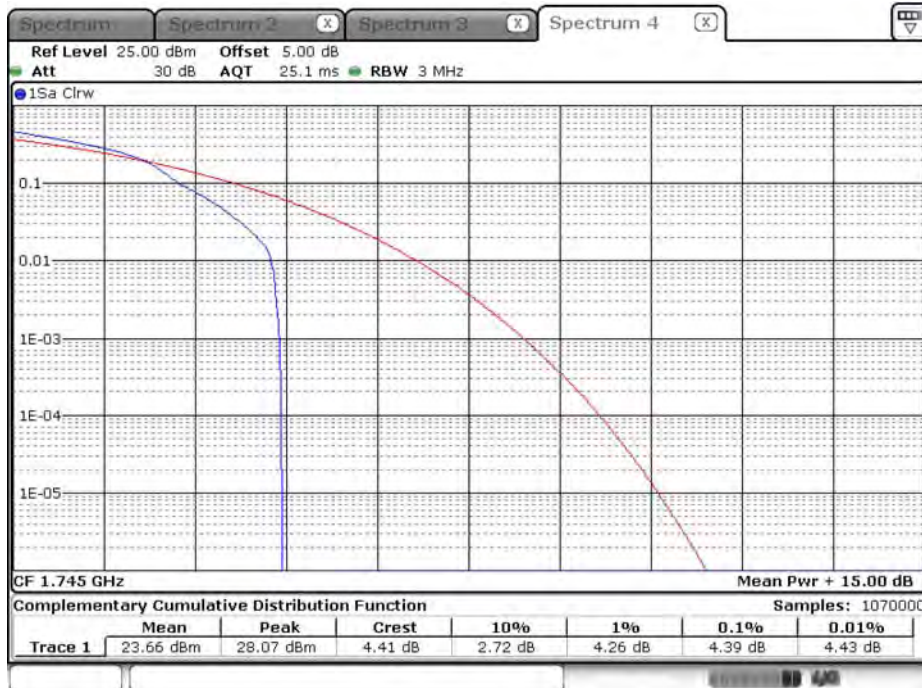
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Date: 7.AUG.2018 16:12:24

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Date: 7.AUG.2018 16:12:57

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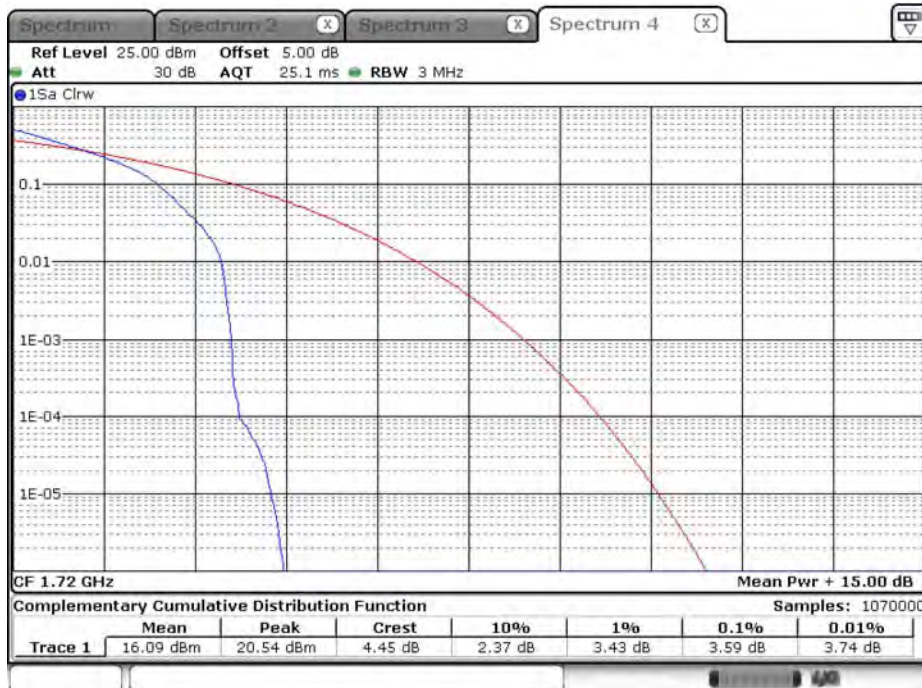
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CH132047_15M_1RB37_QPSK



Date: 7.AUG.2018 16:07:22

CH132047_15M_1RB37_16-QAM



Date: 7.AUG.2018 16:07:56

CH132322_15M_1RB37_QPSK



Date: 7.AUG.2018 16:08:17

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Date: 7.AUG.2018 16:08:32

CH132597_15M_1RB37_QPSK



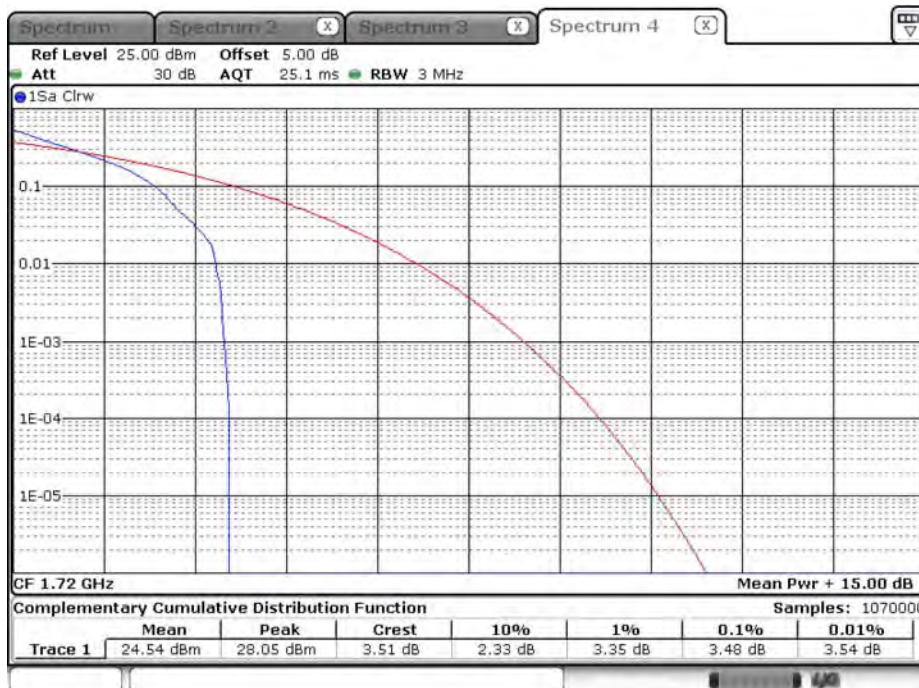
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Date: 7.AUG.2018 16:09:10

CH132072_20M_1RB49_QPSK



Date: 7.AUG.2018 16:04:25

CH132072_20M_1RB49_16-QAM



Date: 7.AUG.2018 16:04:43

CH132322_20M_1RB0_QPSK



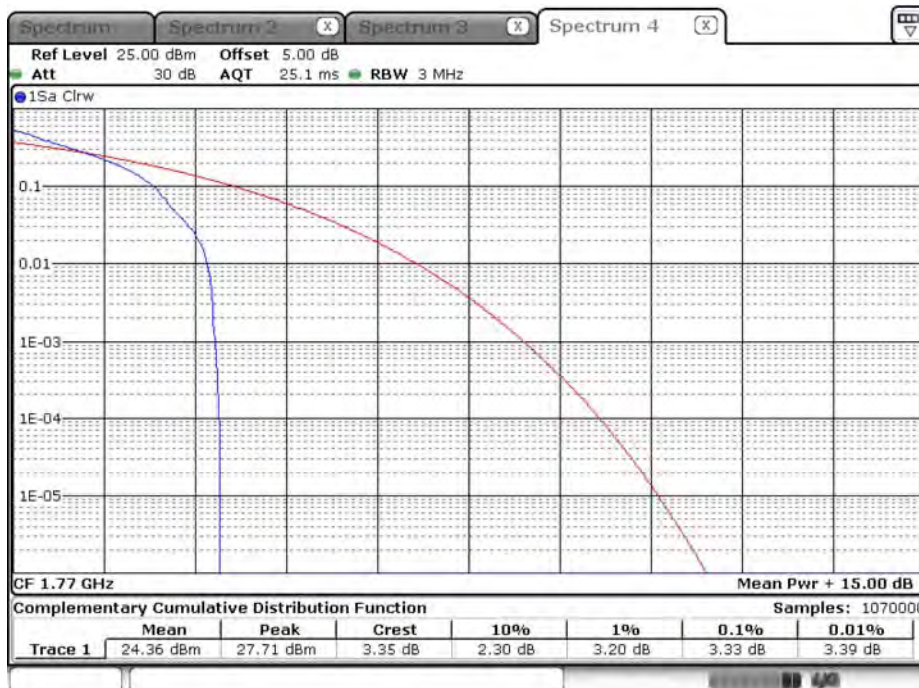
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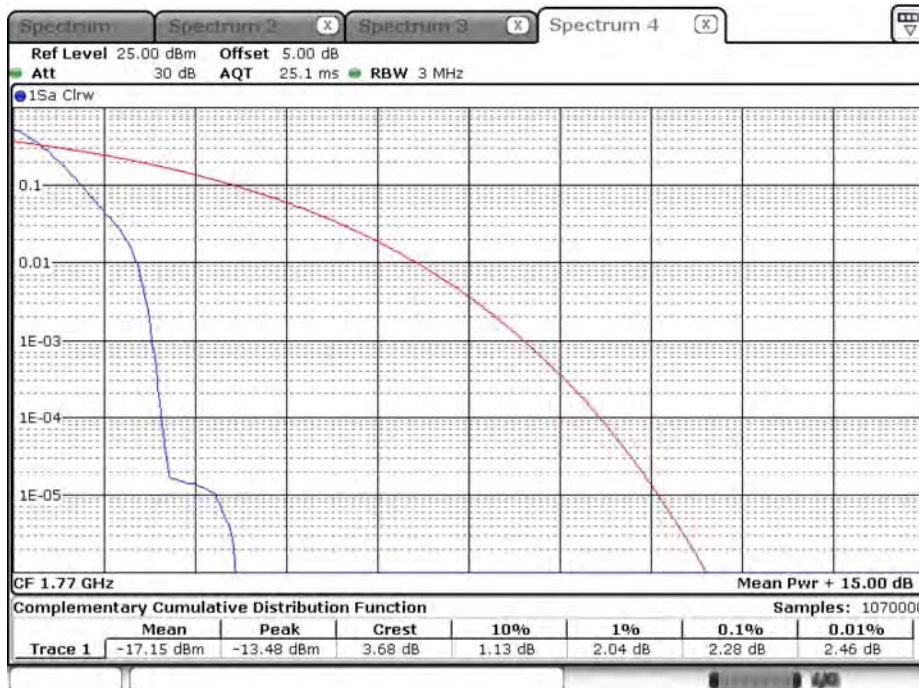
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Date: 7.AUG.2018 16:01:26

CH132572_20M_1RB0_16-QAM



Date: 7.AUG.2018 16:00:48

Product	LE910C4-NF		
Test Item	Peak To Average Ratio		
Test Mode	Mode 8: LTE Band 71		
Date of Test	2018/08/08	Test Site	SR10-H

CH133147_5M_1RB12_QPSK



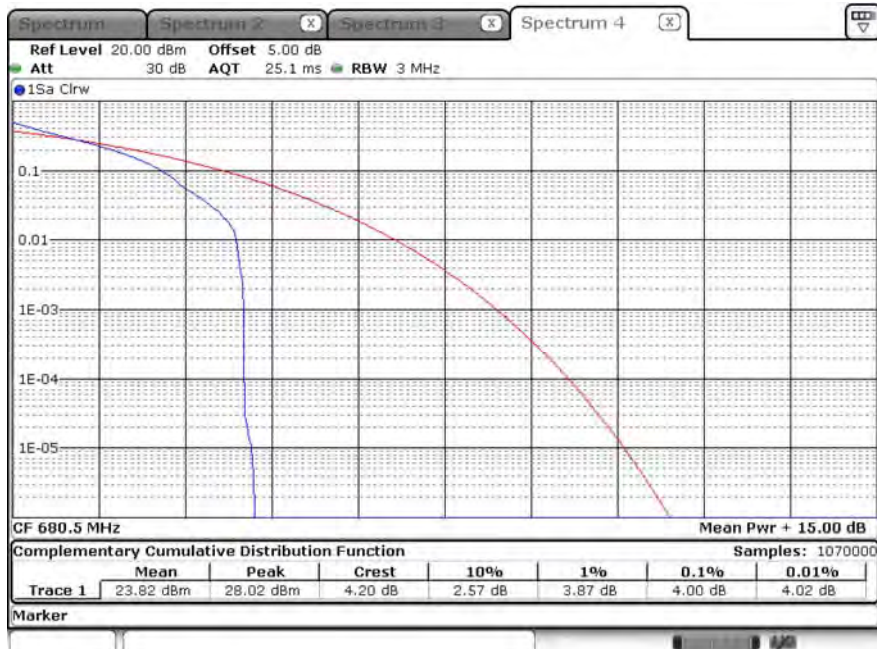
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Date: 6 AUG 2018 14:26:03

CH133297_5M_1RB12_QPSK



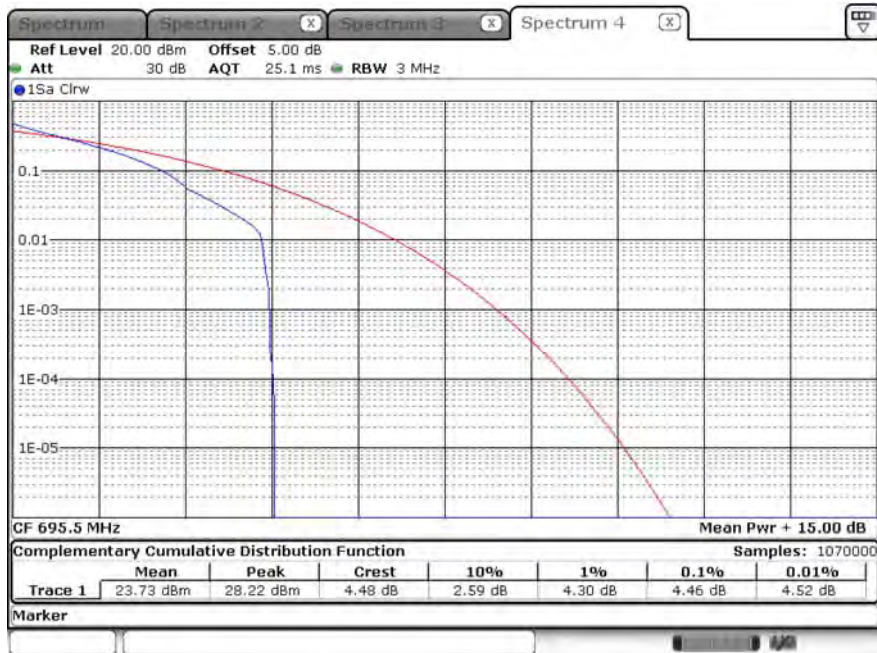
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CH133297_5M_1RB12_16-QAM



Date: 6 AUG 2018 14:26:37

CH133447_5M_1RB12_QPSK



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CH133447_5M_1RB12_16-QAM



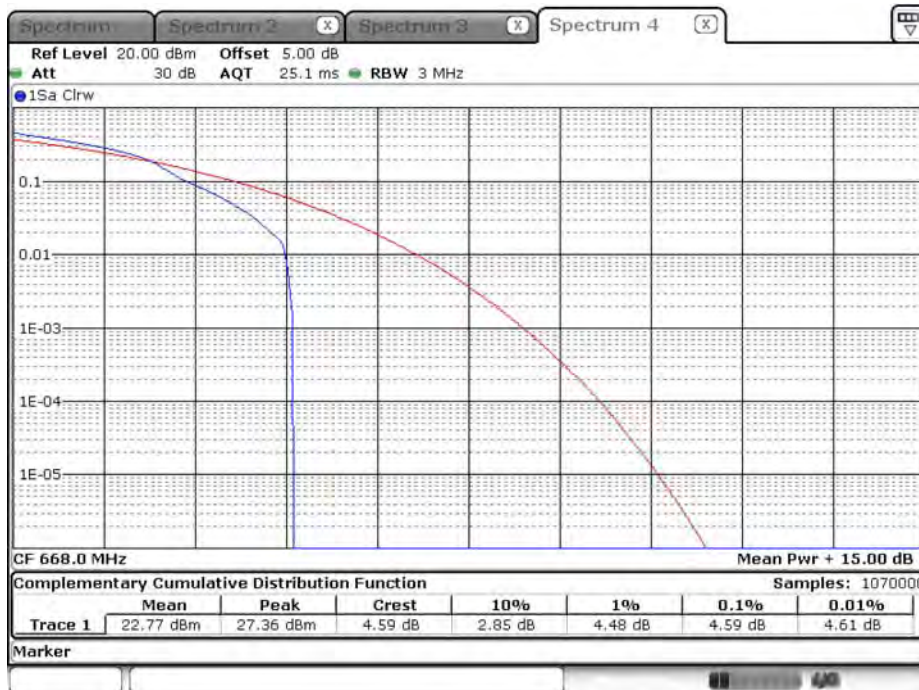
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CH133172_10M_1RB24_16-QAM



Date: 6.AUG.2018 14:20:12

CH133297_10M_1RB0_QPSK



Date: 6.AUG.2018 14:22:02

CH133297_10M_1RB24_16-QAM



Date: 6.AUG.2018 14:22:22

CH133421_10M_1RB0_QPSK



Date: 6.AUG.2018 14:23:08

CH133421_10M_1RB0_16-QAM



Date: 6.AUG.2018 14:23:27

CH133197_15M_1RB37_QPSK



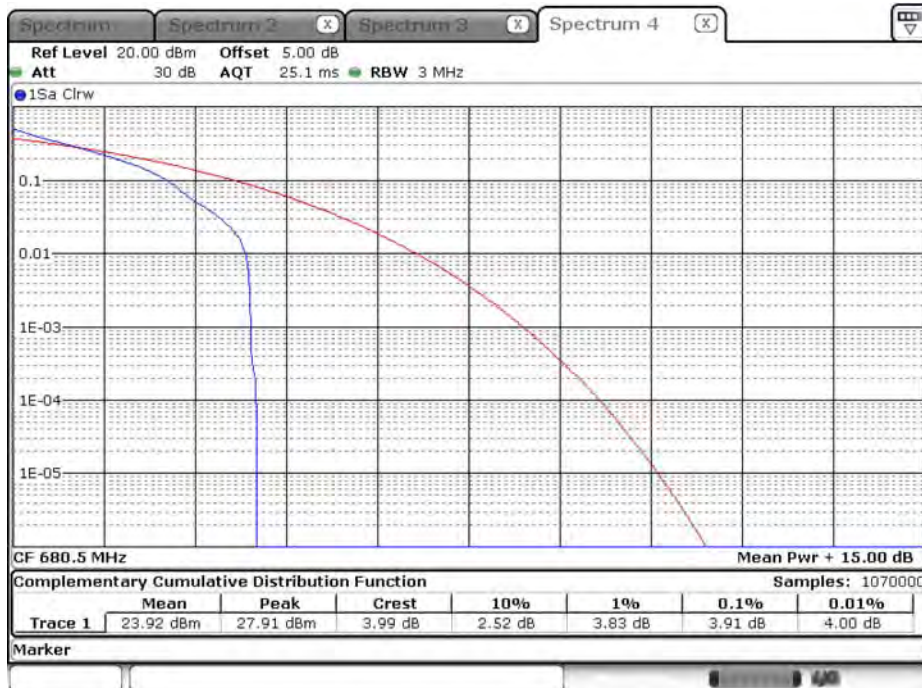
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CH133197_15M_1RB37_16-QAM



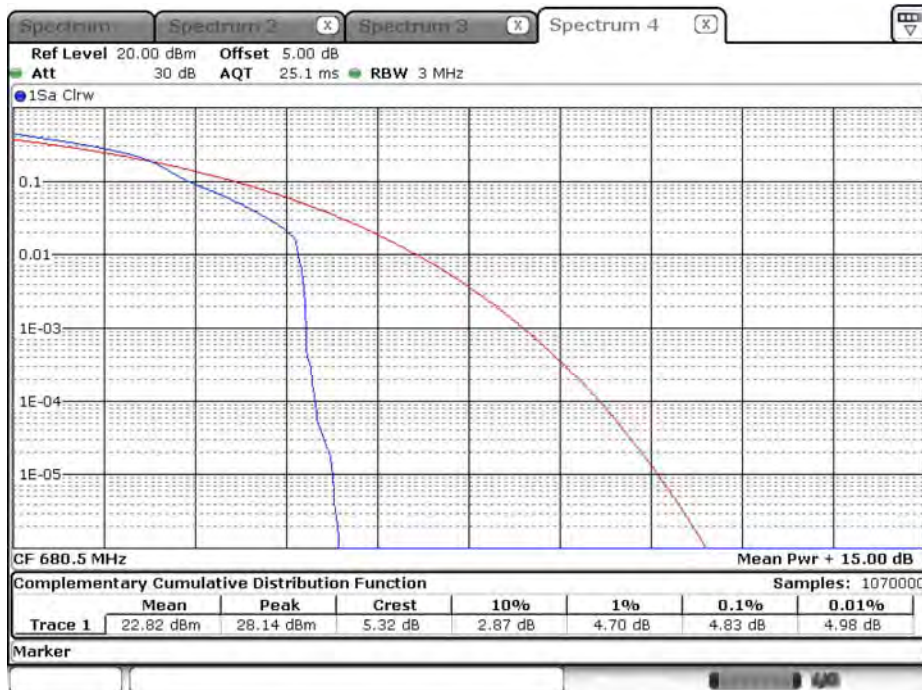
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CH133297_15M_1RB37_16-QAM



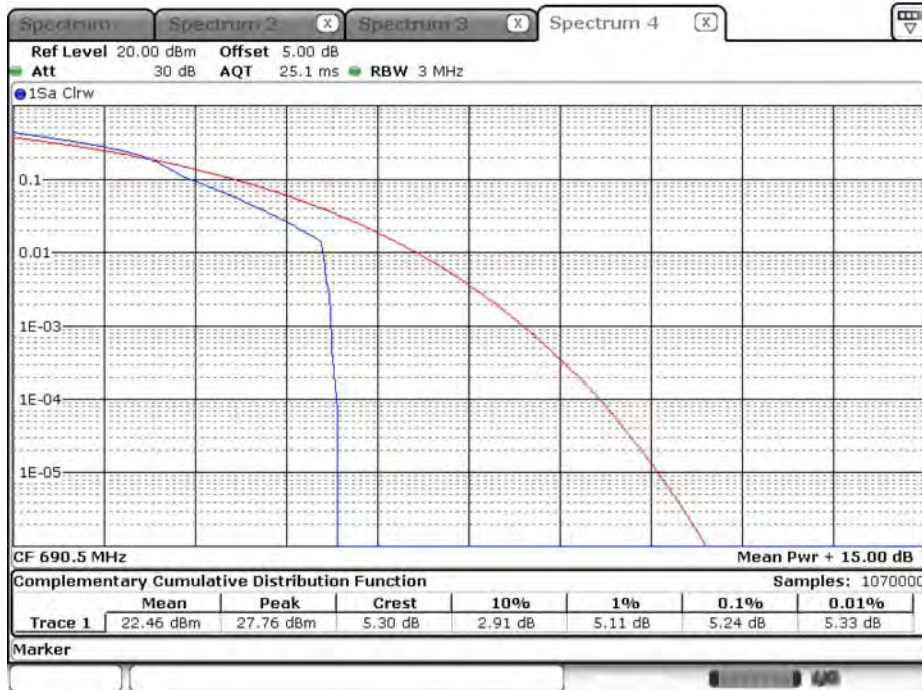
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Date: 6.AUG.2018 14:17:46

CH133397_15M_1RB37_16-QAM



Date: 6.AUG.2018 14:18:10

CH133222_20M_1RB49_QPSK



Date: 6.AUG.2018 14:00:21

CH133222_20M_1RB49_16-QAM



Date: 6.AUG.2018 14:02:30

CH133297_20M_1RB49_QPSK



Date: 6.AUG.2018 14:03:32

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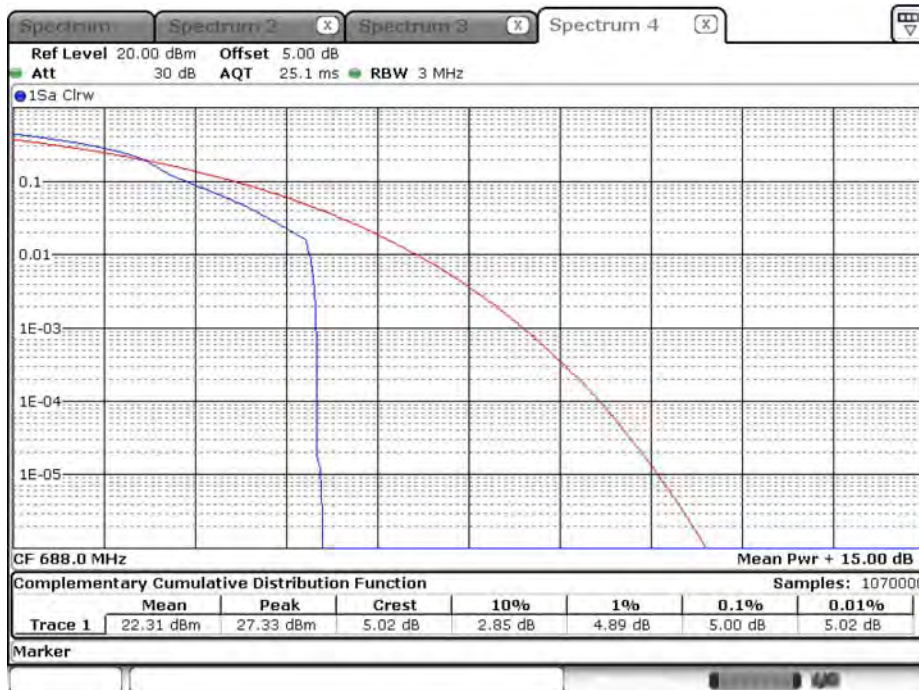
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CH133371_20M_1RB49_QPSK



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CH133371_20M_1RB49_16-QAM

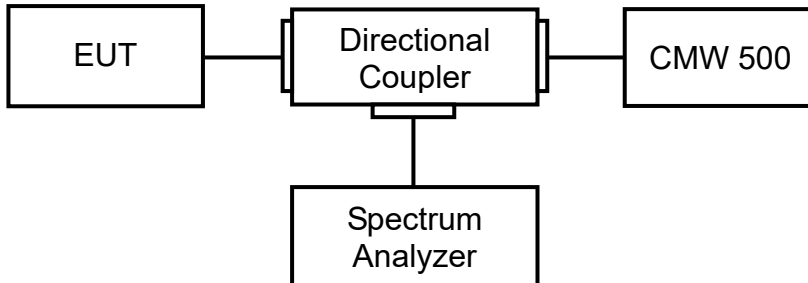


Date: 6.AUG.2018 14:06:14

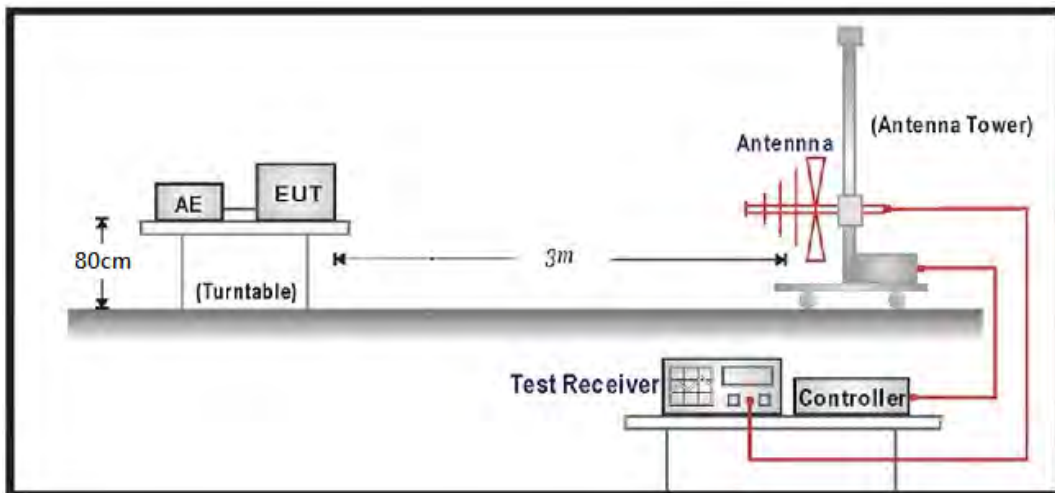
6. Spurious Emissions

6.1. Test Setup

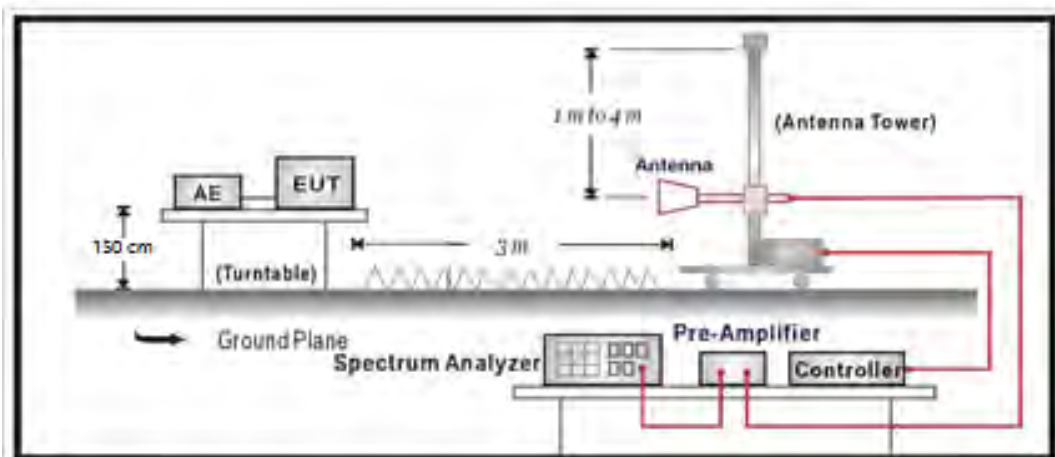
Conducted Spurious Measurement:



Radiated Spurious Measurement: below 1GHz



Radiated Spurious Measurement: above 1GHz



6.2. Test Procedure

Conducted Spurious Measurement:

- a) Place the EUT on a bench and set it in transmitting mode.
- b) Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW500 by a Directional Couple.
- c) EUT Communicate with CMW500, then select a channel for testing.
- d) Add a correction factor to the display of spectrum, and then test.
- e) The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic.

Radiated Spurious Measurement:

- a) The EUT was placed on a rotatable wooden table with 1.5 meter above ground.
- b) The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
- c) The table was rotated 360 degrees to determine the position of the highest spurious emission.
- d) The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
- e) Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 1MHz, Sweep 500ms, Taking the record of maximum spurious emission.
- f) A horn antenna was substituted in place of the EUT and was driven by a signal generator.
- g) Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- h) Taking the record of output power at antenna port
- i) Repeat step 7 to step 8 for another polarization.
- j) $EIRP = SG - \text{Cable loss} + \text{Antenna Gain}$

6.3. Test Method

Conducted Spurious Measurement:

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 6.1
ANSI C63.26: 2015 Sub-clause 5.7

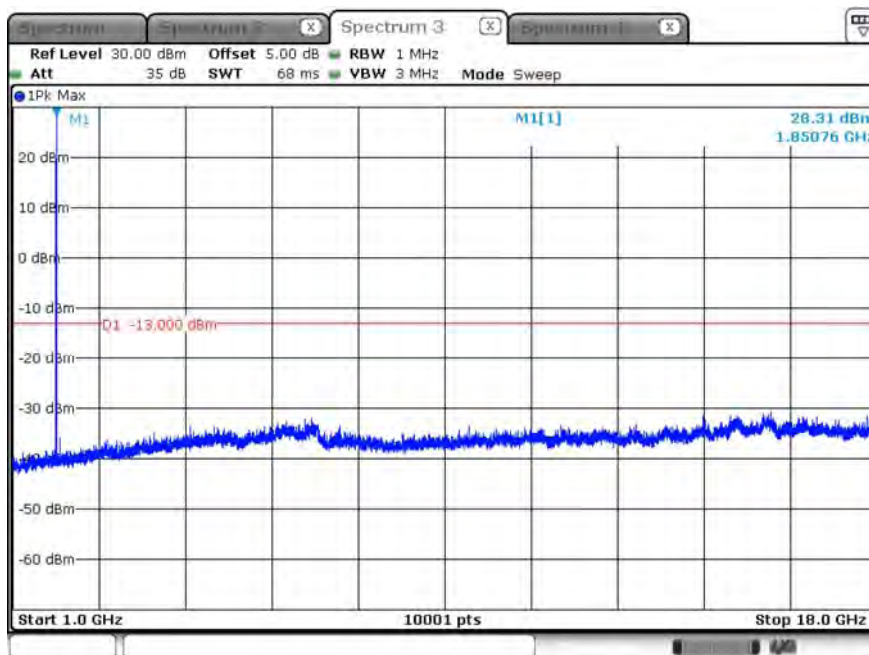
Radiated Spurious Measurement:

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 5.8
ANSI C63.26: 2015 Sub-clause 5.5.3.2

6.4. Test Result

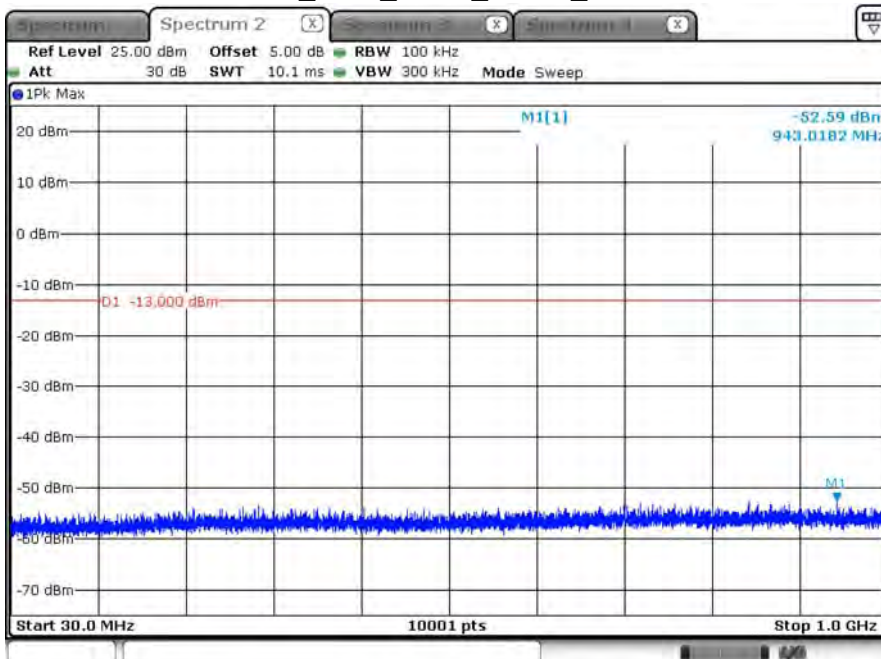
Product	LE910C4-NF		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/08/08	Test Site	SR10-H

CH18607_1.4M_1RB2_QPSK_Above 1G



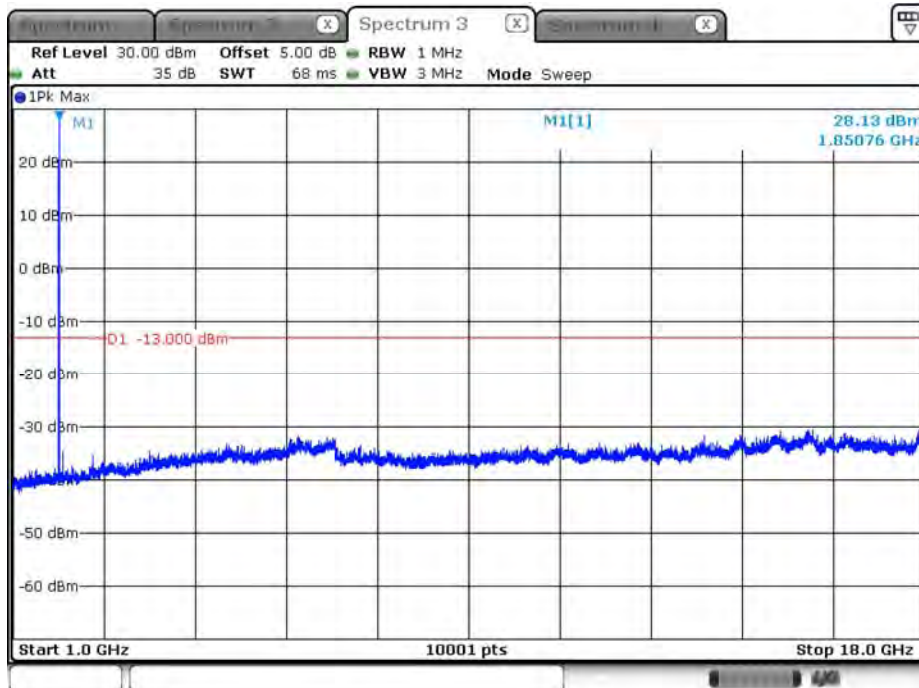
Date: 9 AUG.2018 10:47:11

CH18607_1.4M_1RB2_QPSK_Below 1G



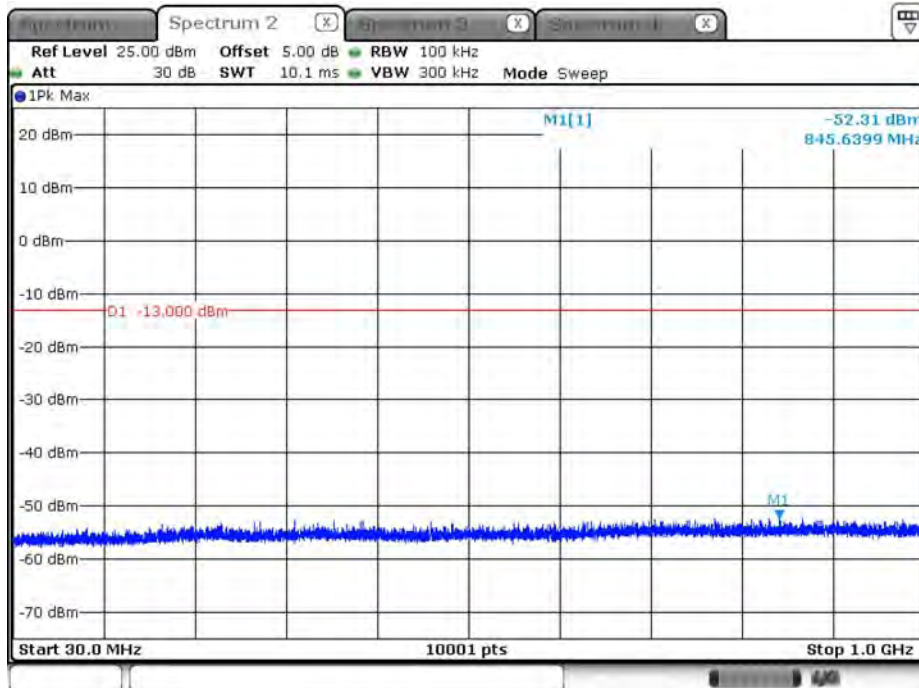
Date: 9 AUG 2018 10:51:40

CH18607_1.4M_3RB1_16-QAM_Above 1G



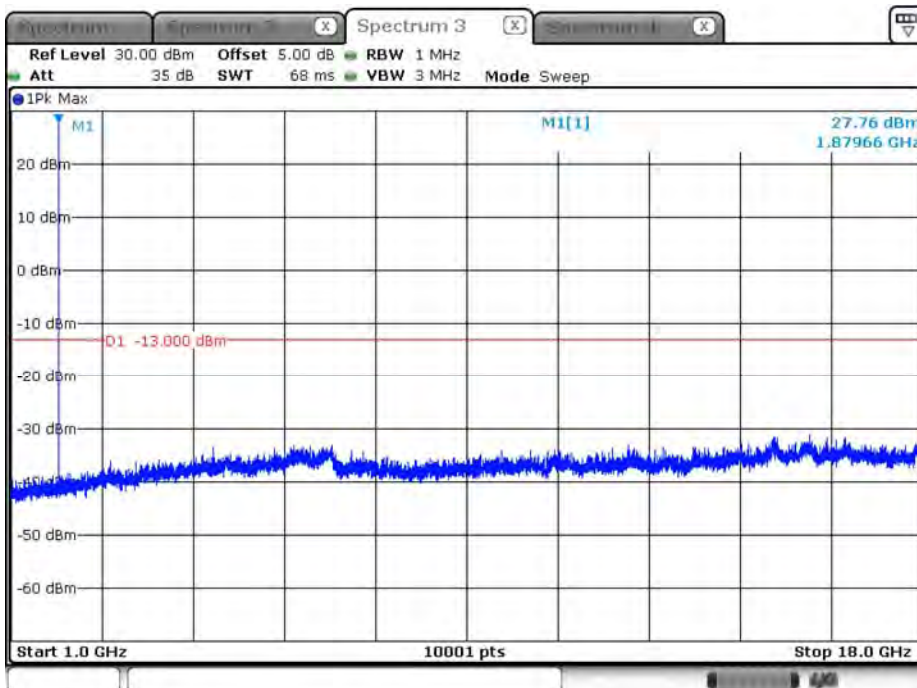
Date: 9 AUG.2018 10:57:51

CH18607_1.4M_3RB1_16-QAM_Below 1G



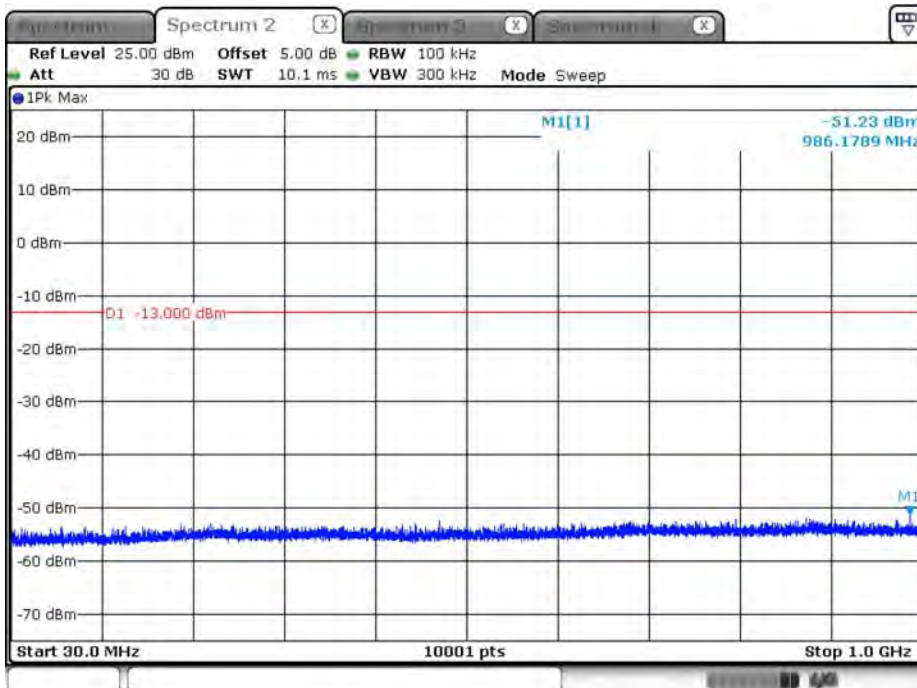
Date: 9 AUG.2018 10:55:41

CH18900_1.4M_3RB2_QPSK_Above 1G



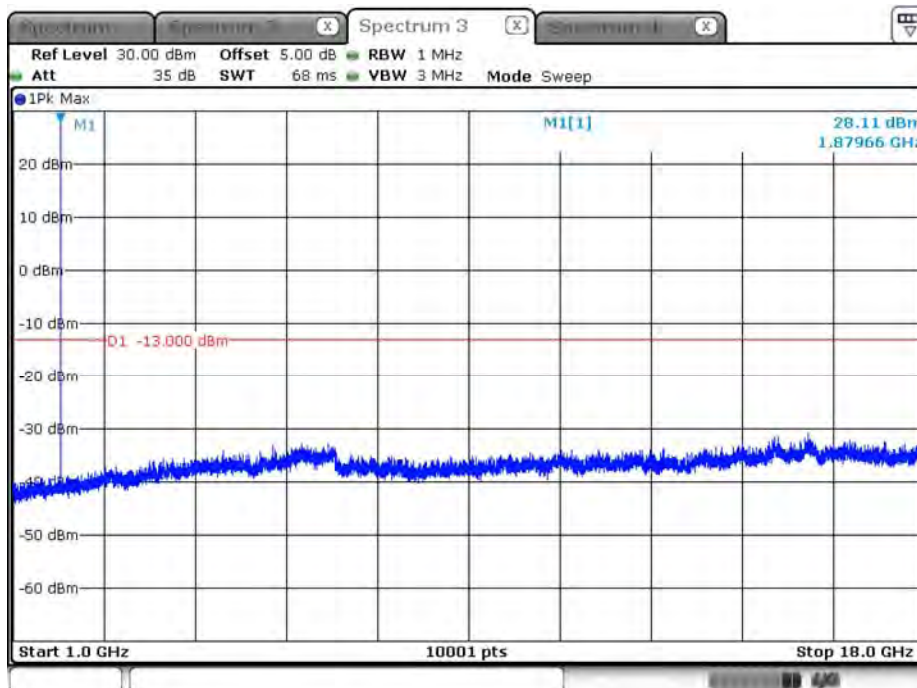
Date: 9 AUG.2018 11:05:18

CH18900_1.4M_3RB2_QPSK_Below 1G



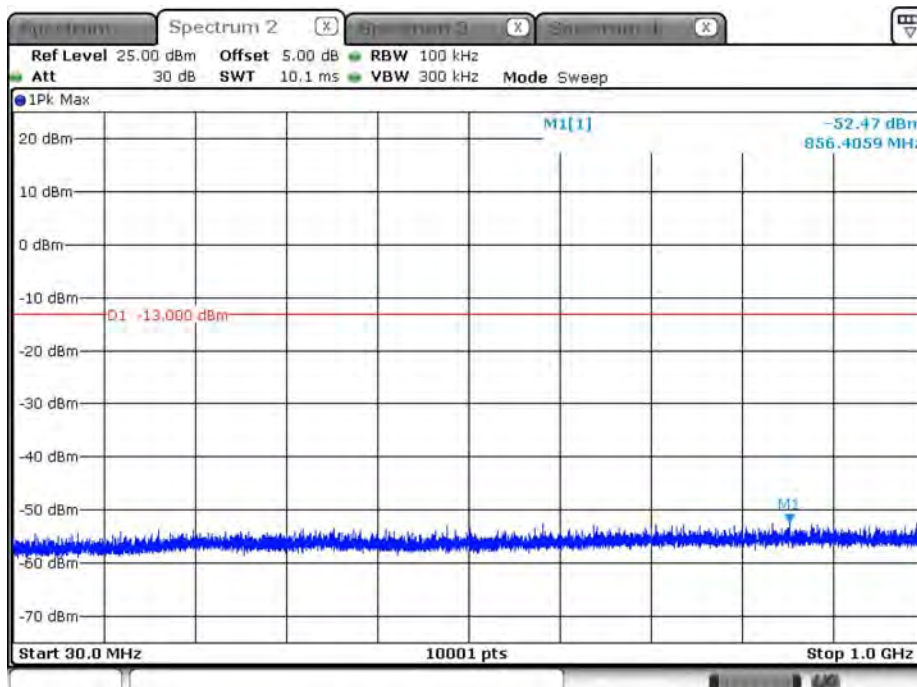
Date: 9 AUG.2018 11:04:52

CH18900_1.4M_3RB1_16-QAM_Above 1G



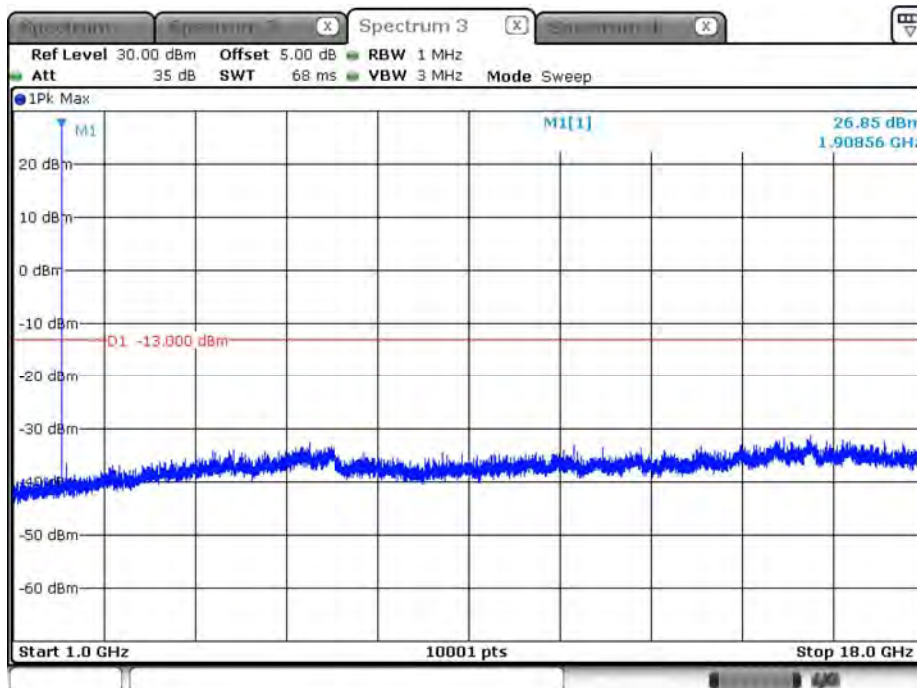
Date: 9 AUG.2018 11:06:16

CH18900_1.4M_3RB1_16-QAM_Below 1G



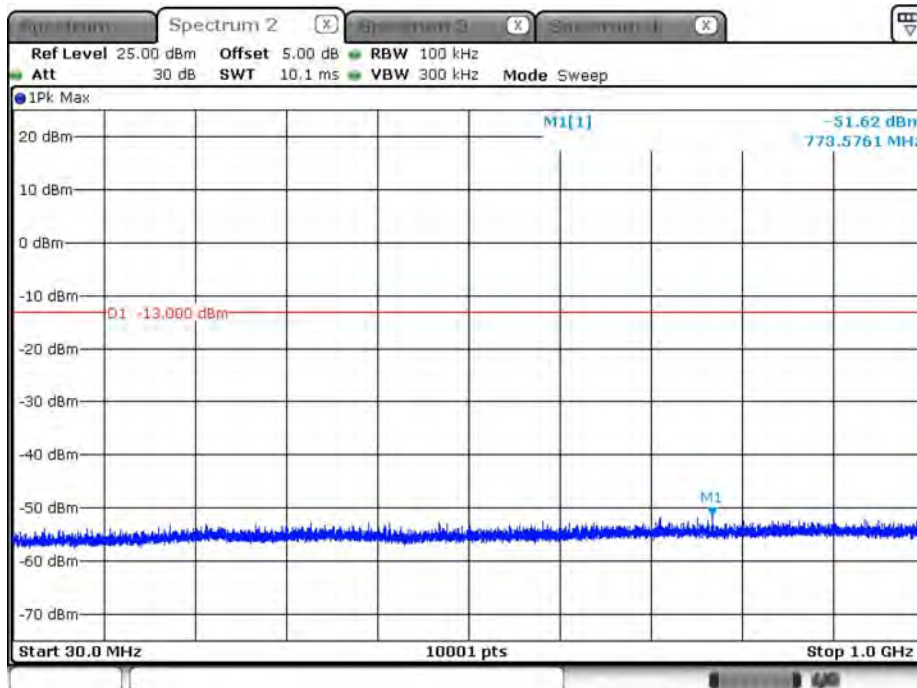
Date: 9 AUG.2018 11:07:01

CH19193_1.4M_1RB2_QPSK_Above 1G



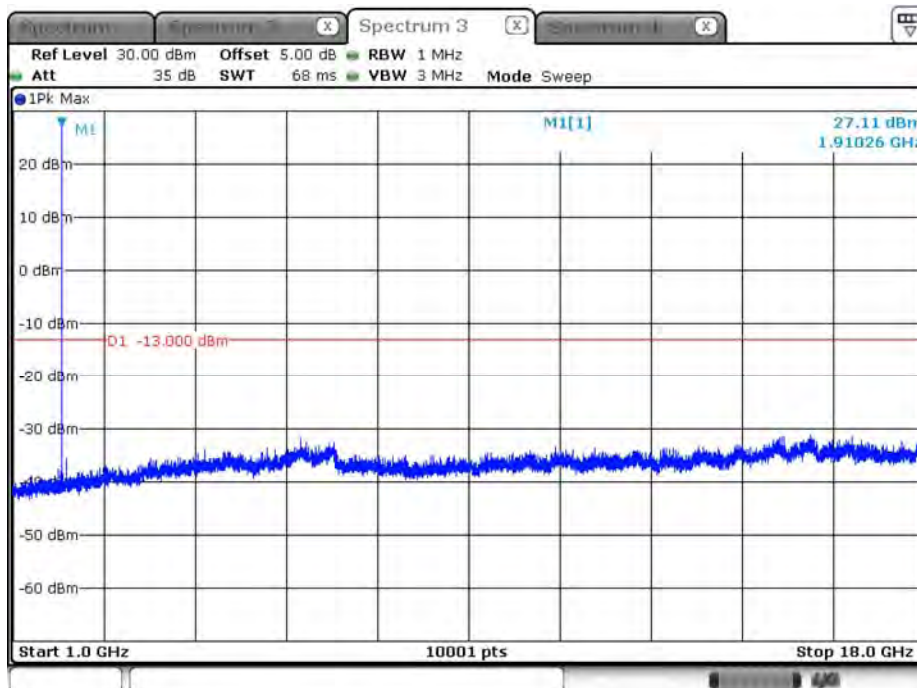
Date: 9 AUG.2018 11:09:53

CH19193_1.4M_1RB2_QPSK_Below 1G



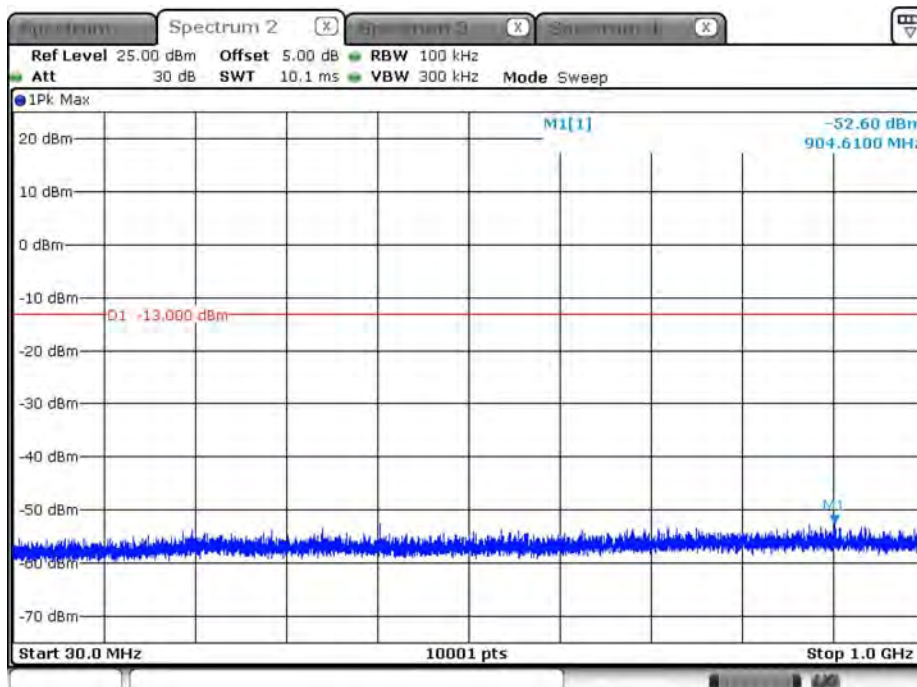
Date: 9 AUG.2018 11:09:19

CH19193_1.4M_3RB2_16-QAM_Above 1G



Date: 9 AUG.2018 11:10:31

CH19193_1.4M_3RB2_16-QAM_Below 1G



Date: 9 AUG.2018 11:11:08