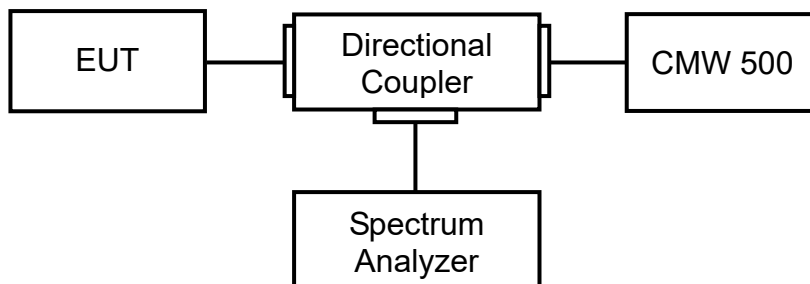


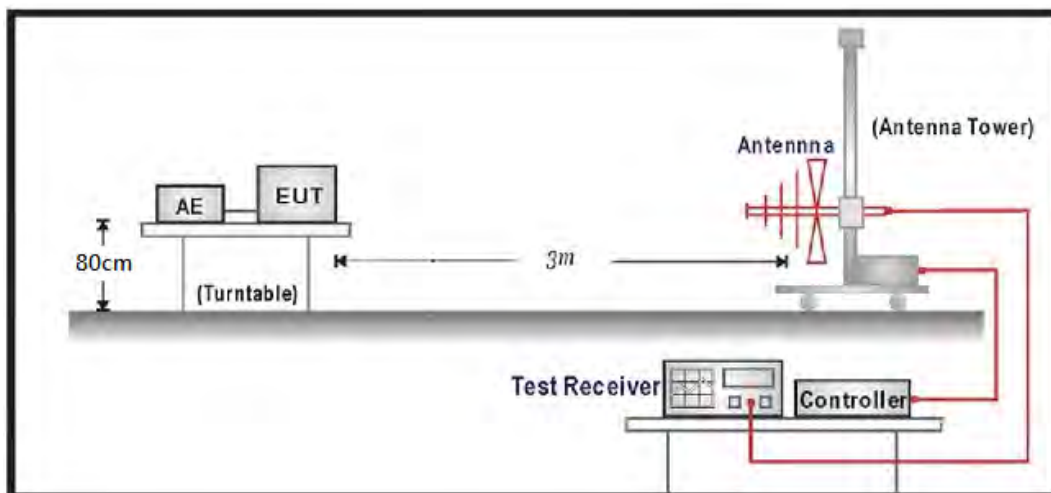
6. Spurious Emissions

6.1. Test Setup

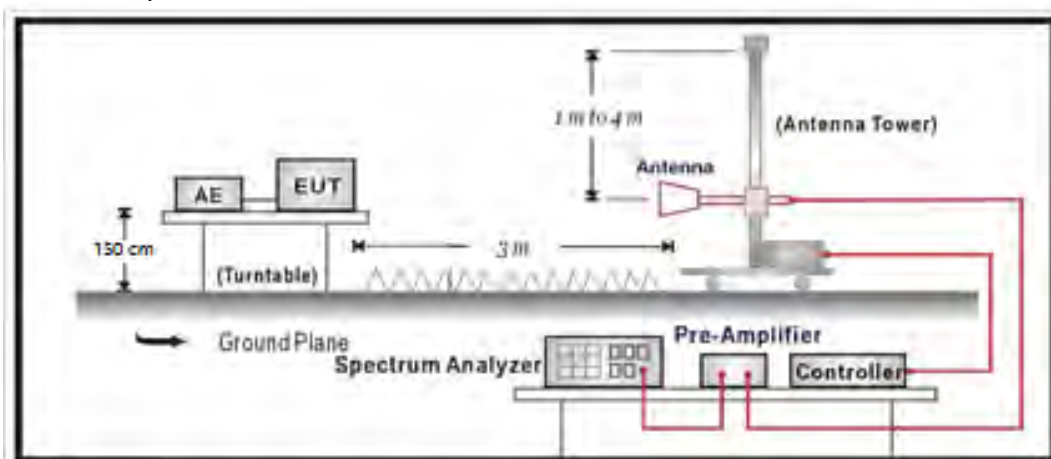
Conducted Spurious Measurement:



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

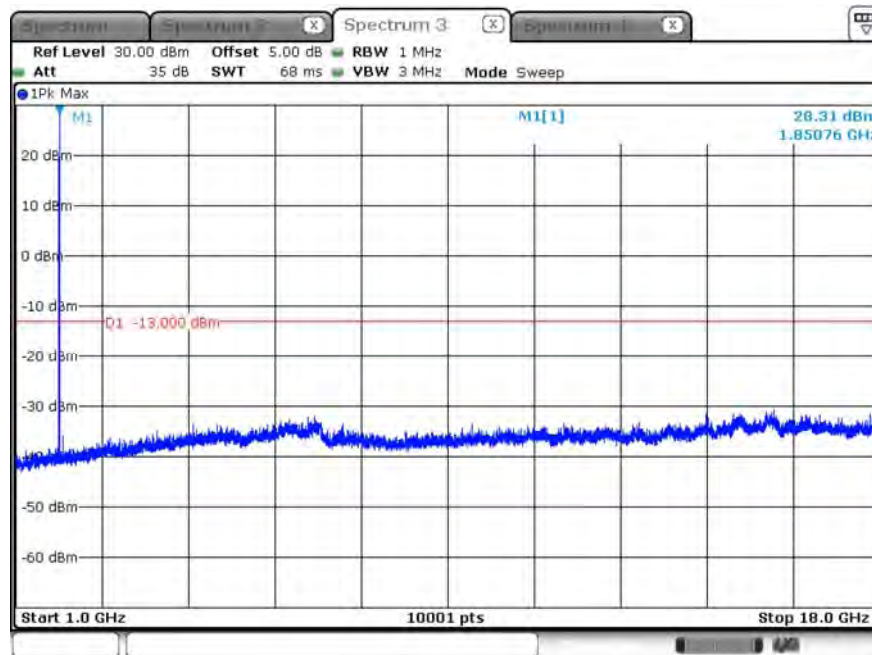
Radiated Spurious Measurement:

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

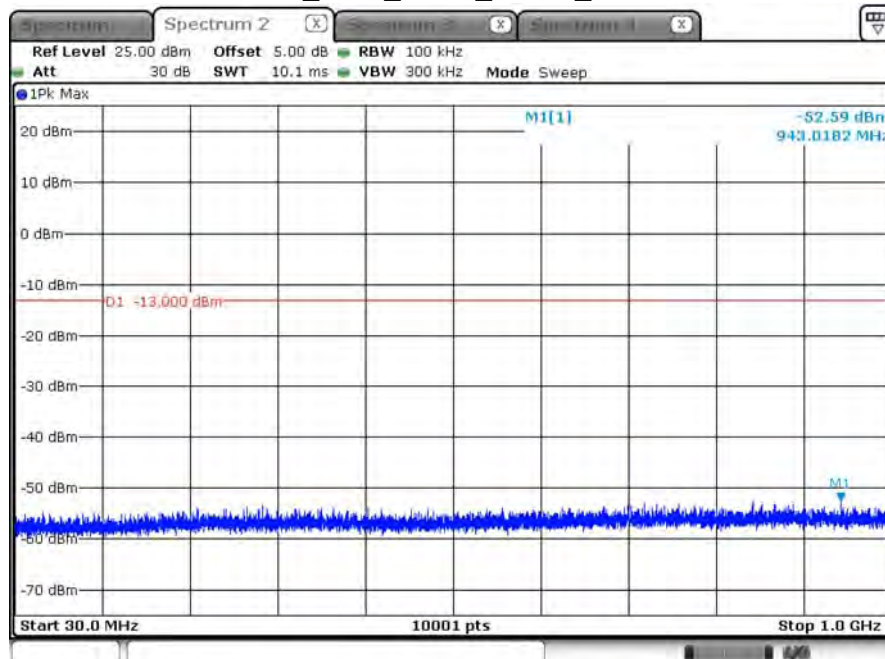
Product	LE910C4-NF		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/08/08	Test Site	SR10-H

CH18607_1.4M_1RB2_QPSK_Above 1G



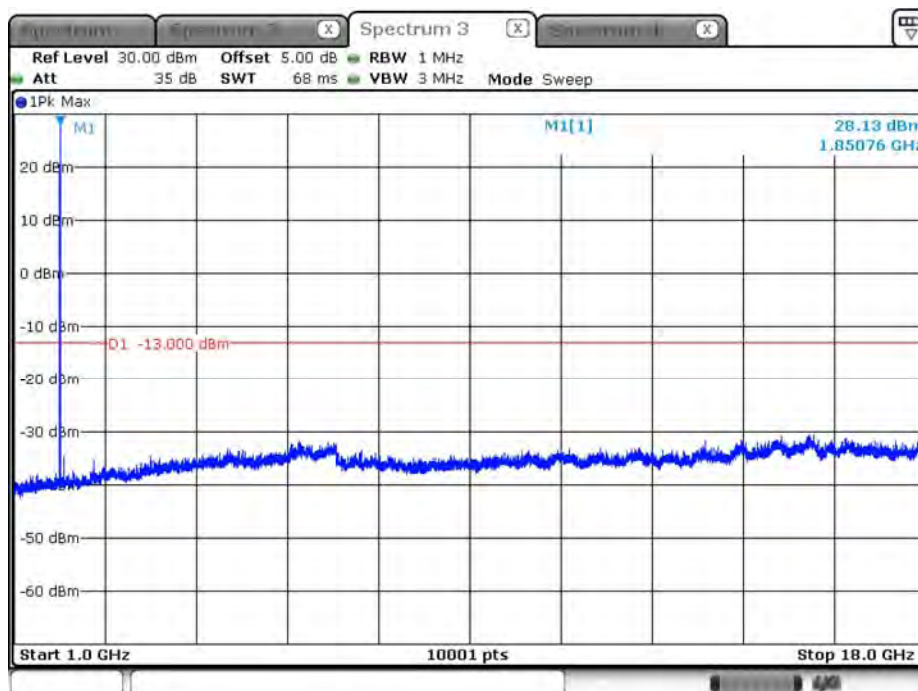
Date: 9 AUG.2018 10:47:11

CH18607_1.4M_1RB2_QPSK_Below 1G



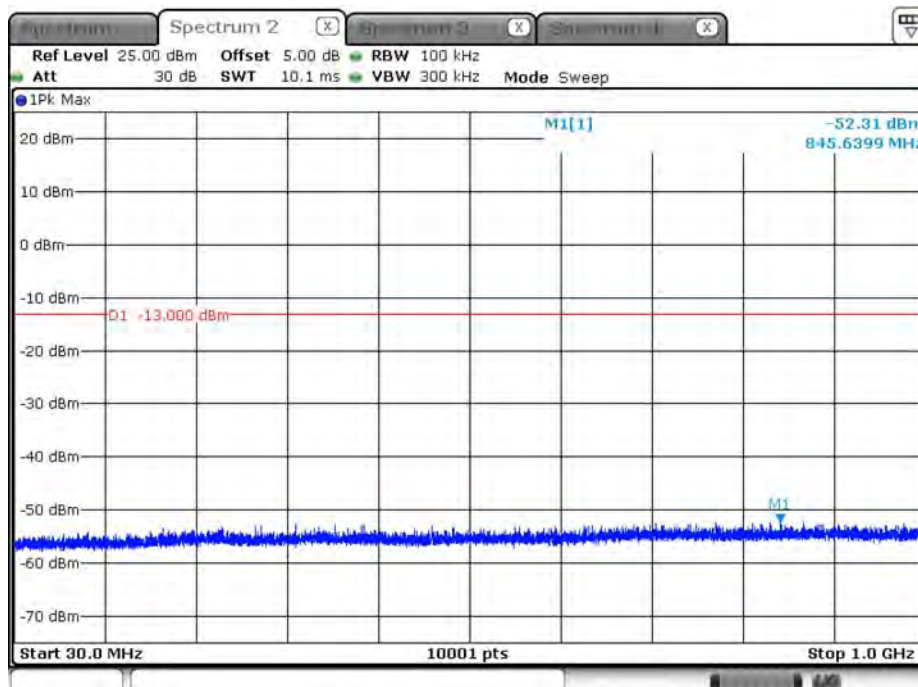
Date: 9 AUG.2018 10:51:40

CH18607_1.4M_3RB1_16-QAM_Above 1G



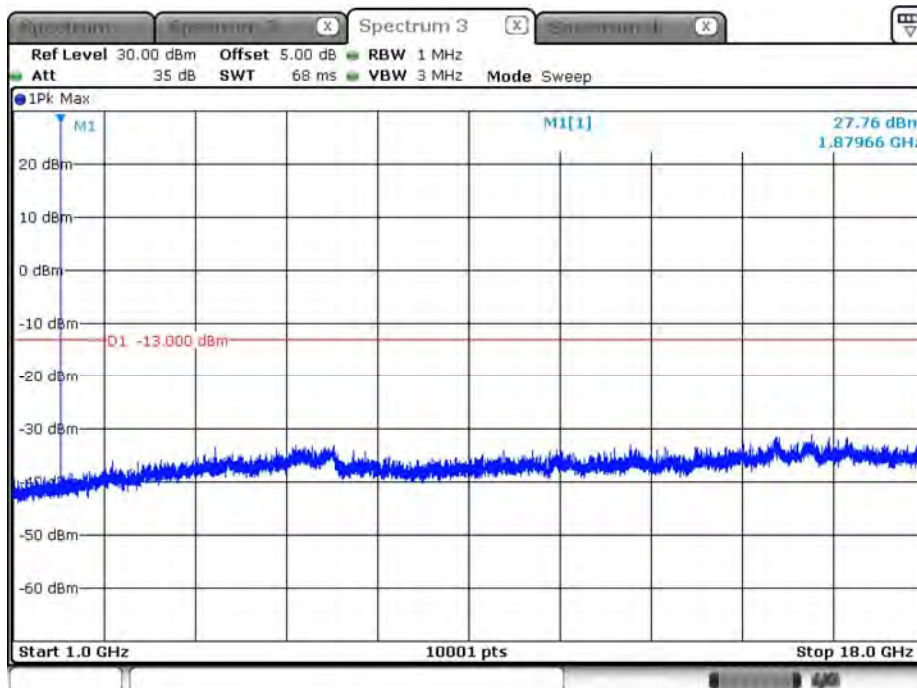
Date: 9 AUG.2018 10:57:51

CH18607_1.4M_3RB1_16-QAM_Below 1G



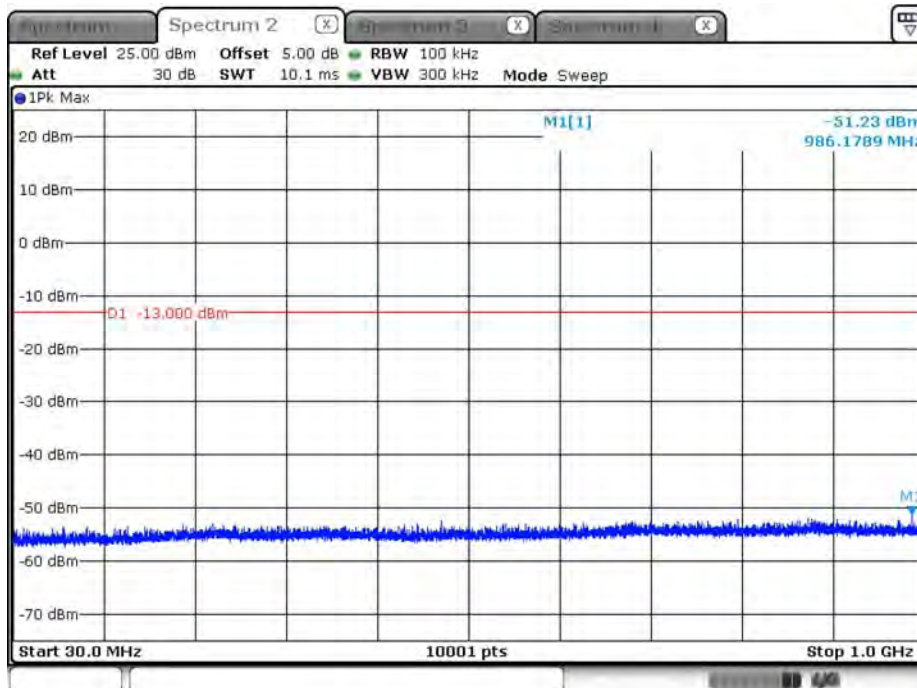
Date: 9 AUG.2018 10:55:41

CH18900_1.4M_3RB2_QPSK_Above 1G



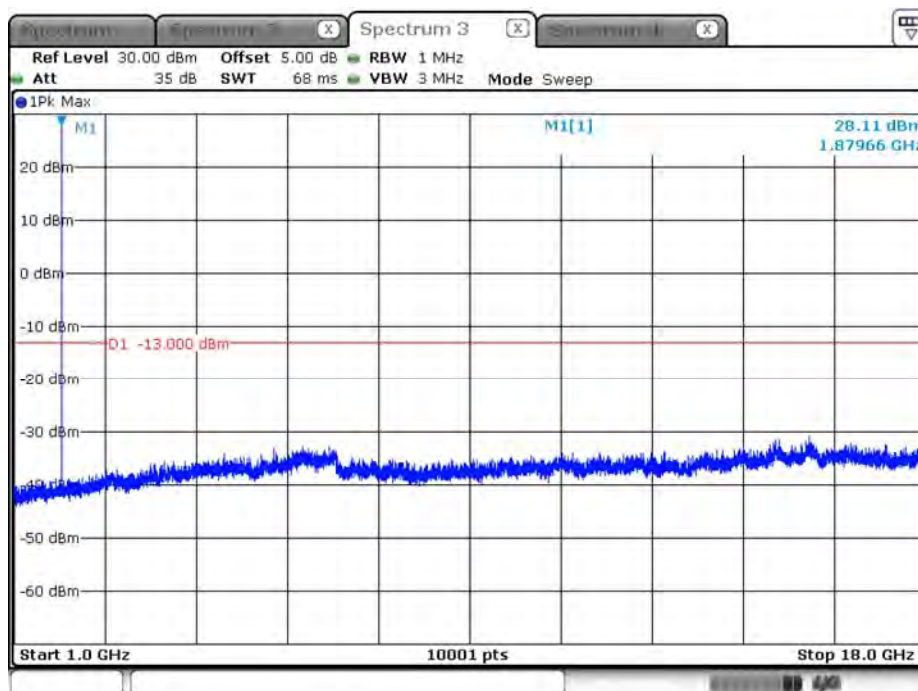
Date: 9 AUG.2018 11:05:18

CH18900_1.4M_3RB2_QPSK_Below 1G



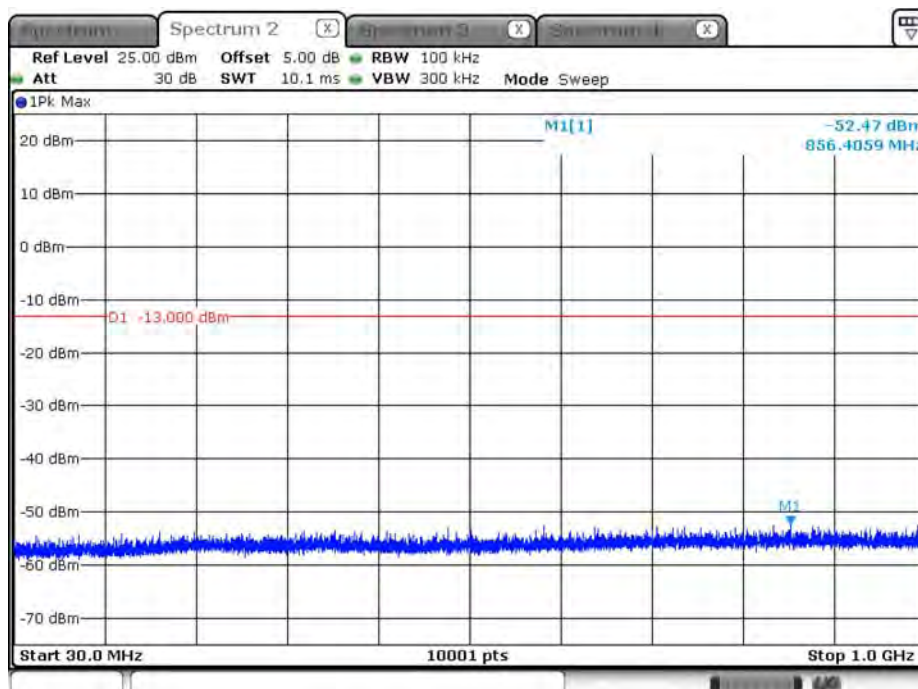
Date: 9 AUG.2018 11:04:52

CH18900_1.4M_3RB1_16-QAM_Above 1G



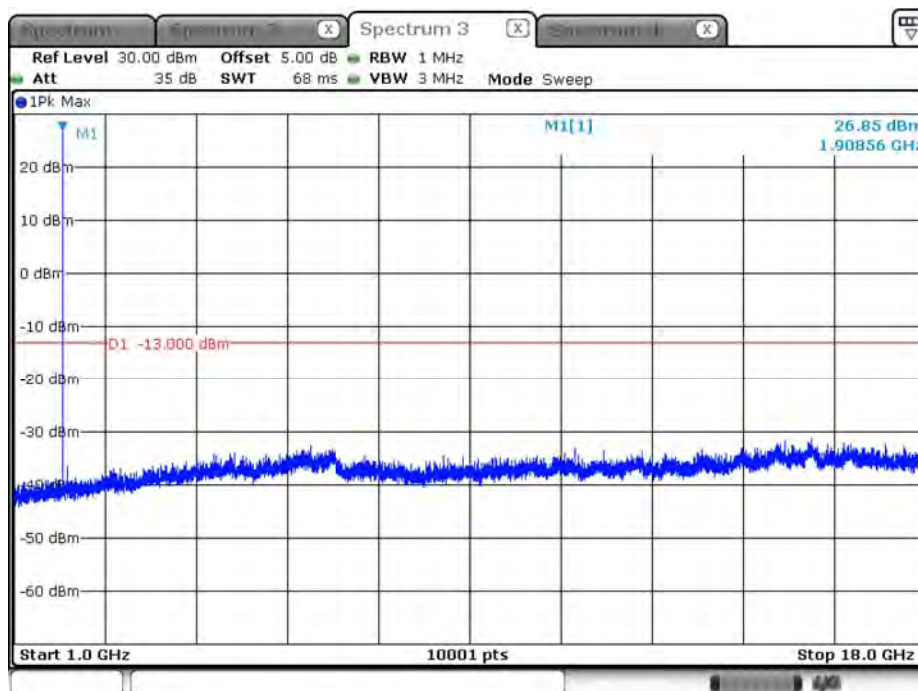
Date: 9 AUG.2018 11:06:16

CH18900_1.4M_3RB1_16-QAM_Below 1G



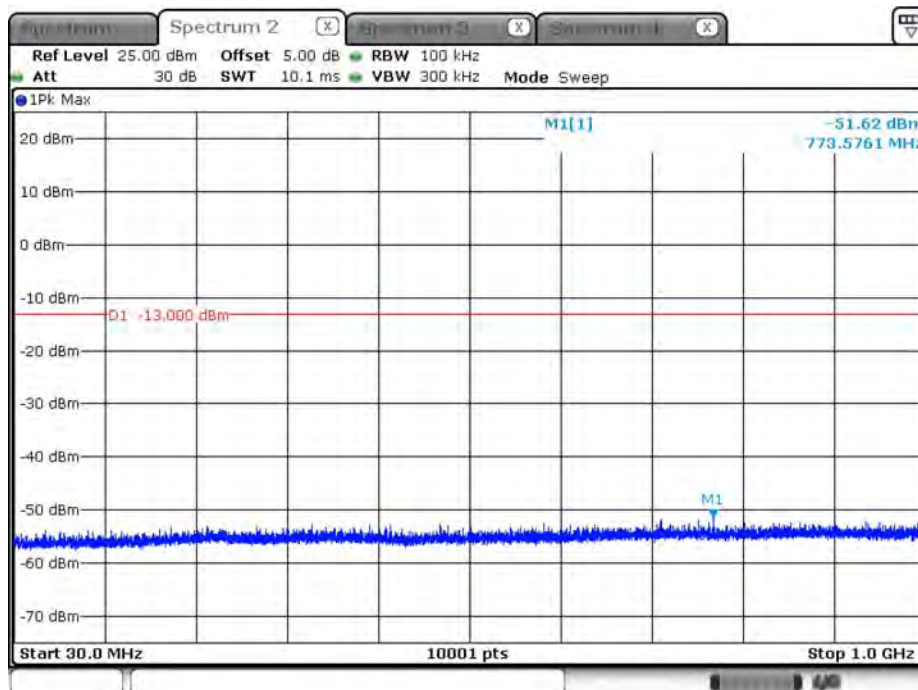
Date: 9 AUG.2018 11:07:01

CH19193_1.4M_1RB2_QPSK_Above 1G



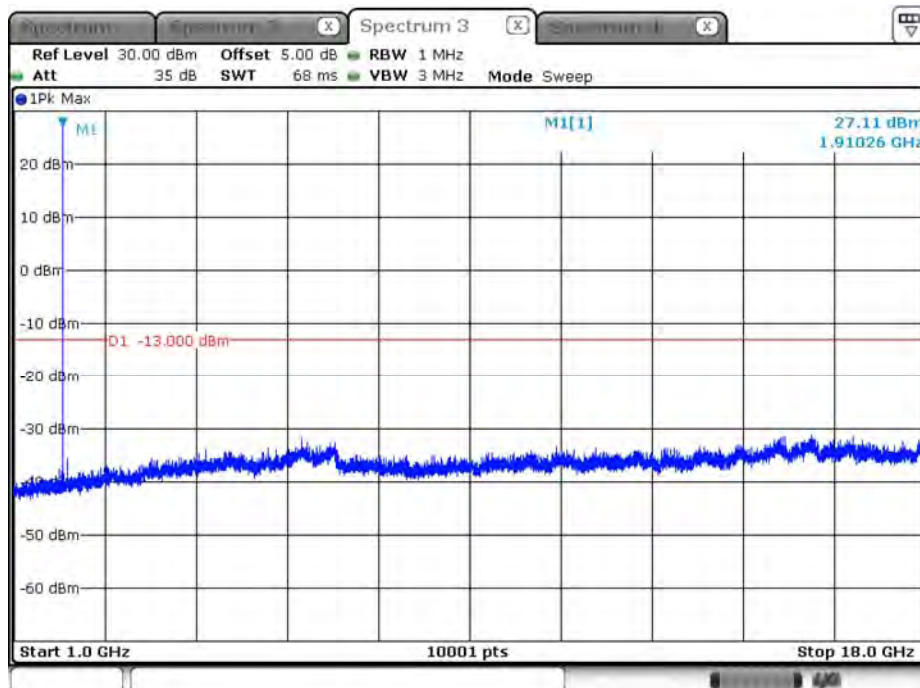
Date: 9 AUG.2018 11:09:53

CH19193_1.4M_1RB2_QPSK_Below 1G



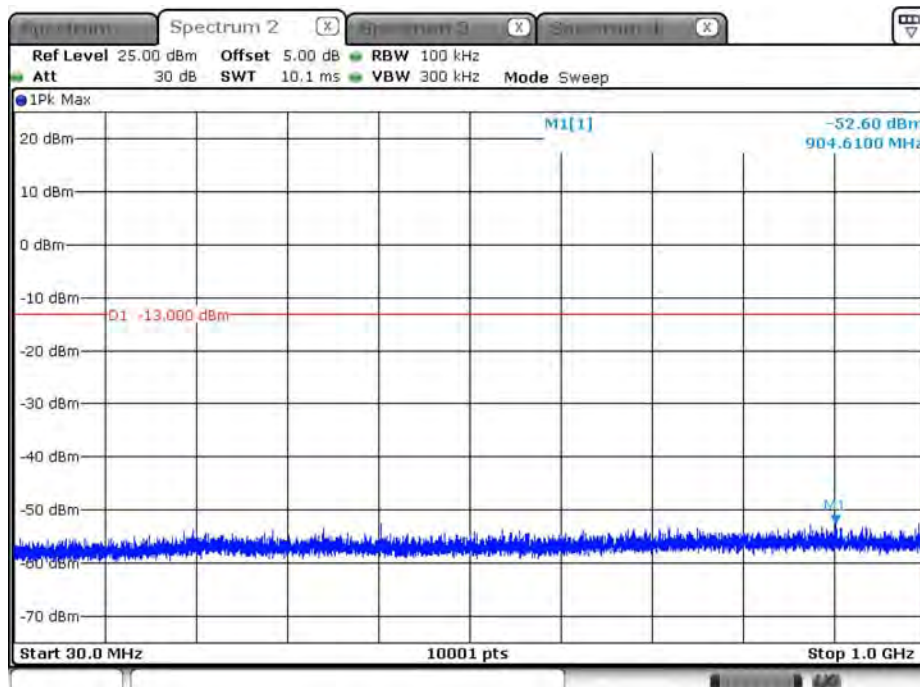
Date: 9 AUG.2018 11:09:19

CH19193_1.4M_3RB2_16-QAM_Above 1G



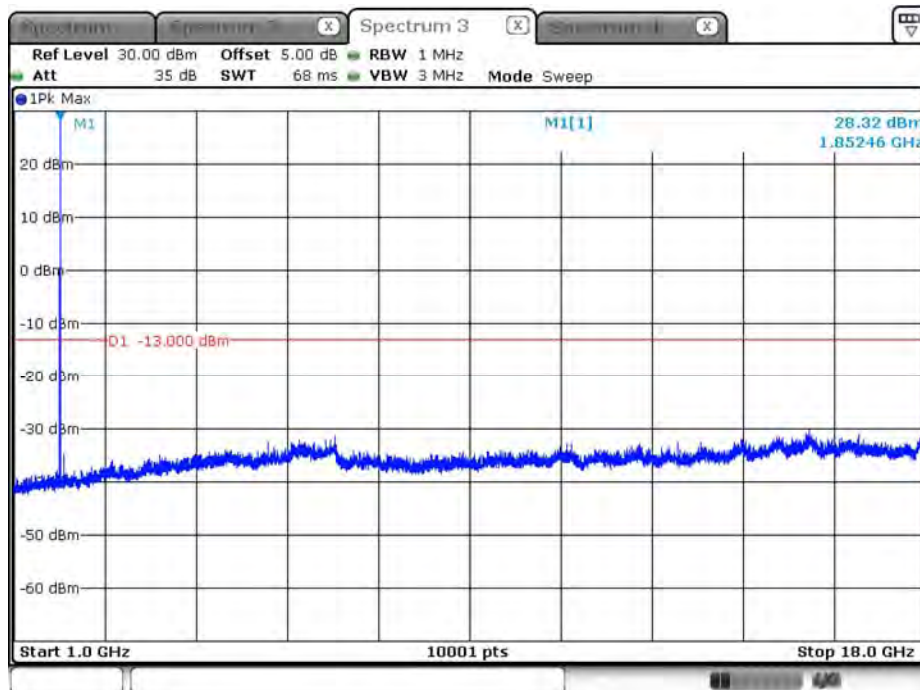
Date: 9 AUG.2018 11:10:31

CH19193_1.4M_3RB2_16-QAM_Below 1G



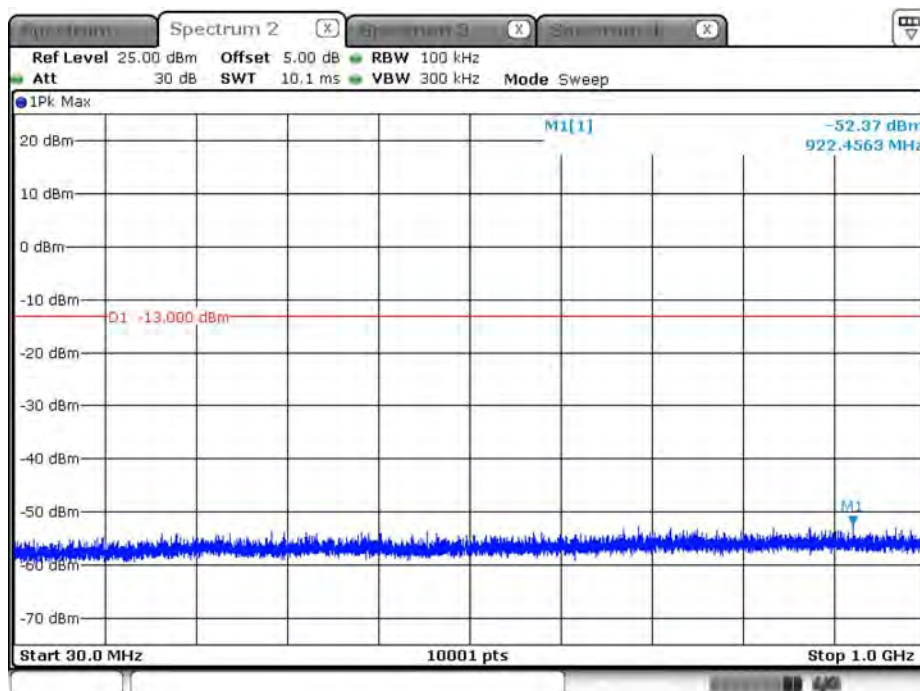
Date: 9 AUG.2018 11:11:08

CH18615_3M_1RB7_QPSK_Above 1G



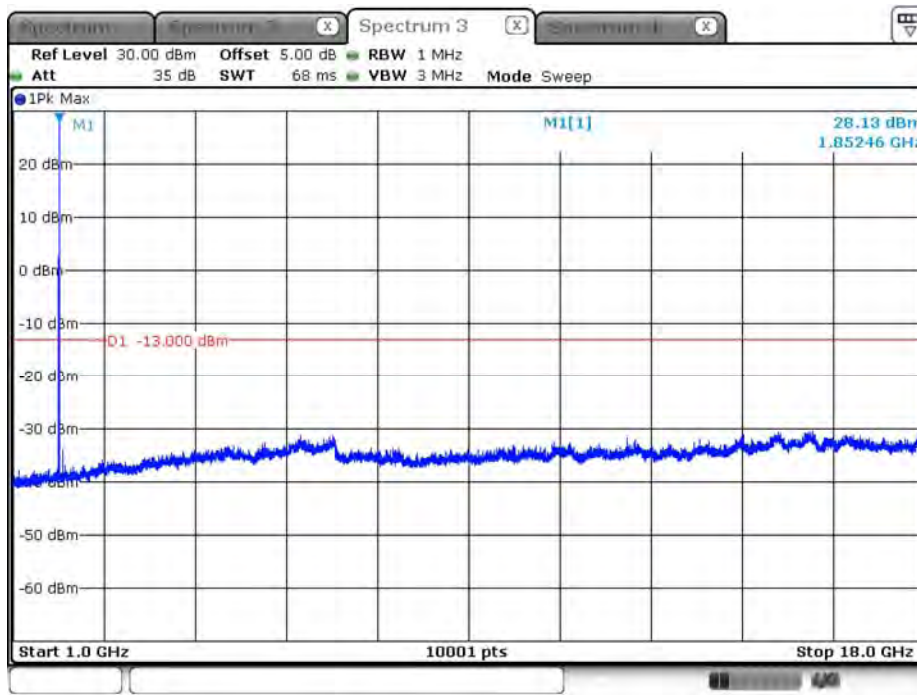
Date: 9 AUG. 2018 11:52:42

CH18615_3M_1RB7_QPSK_Below 1G



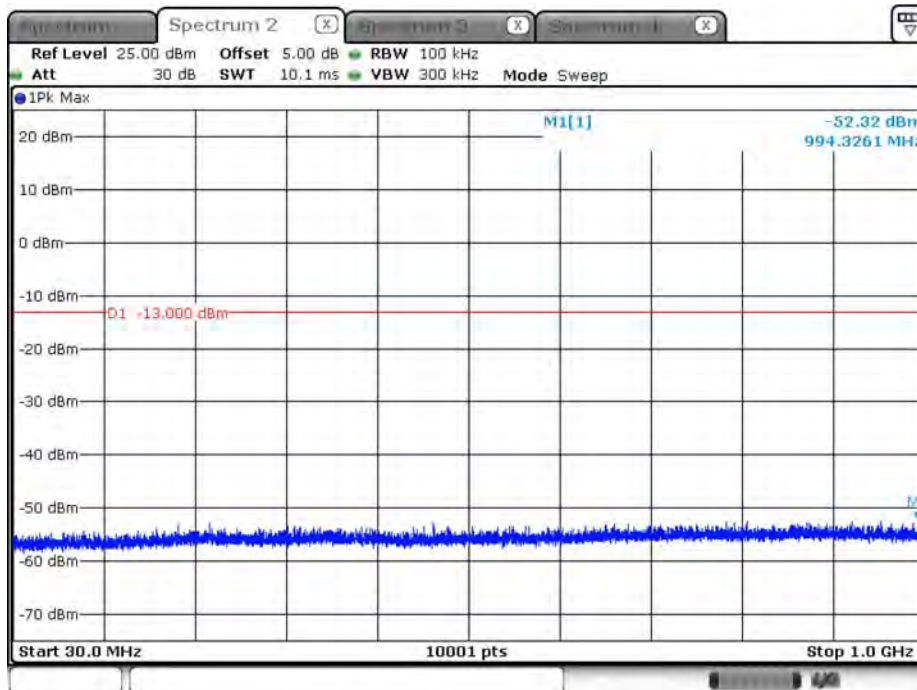
Date: 9 AUG. 2018 11:47:57

CH18615_3M_1RB7_16-QAM_Above 1G



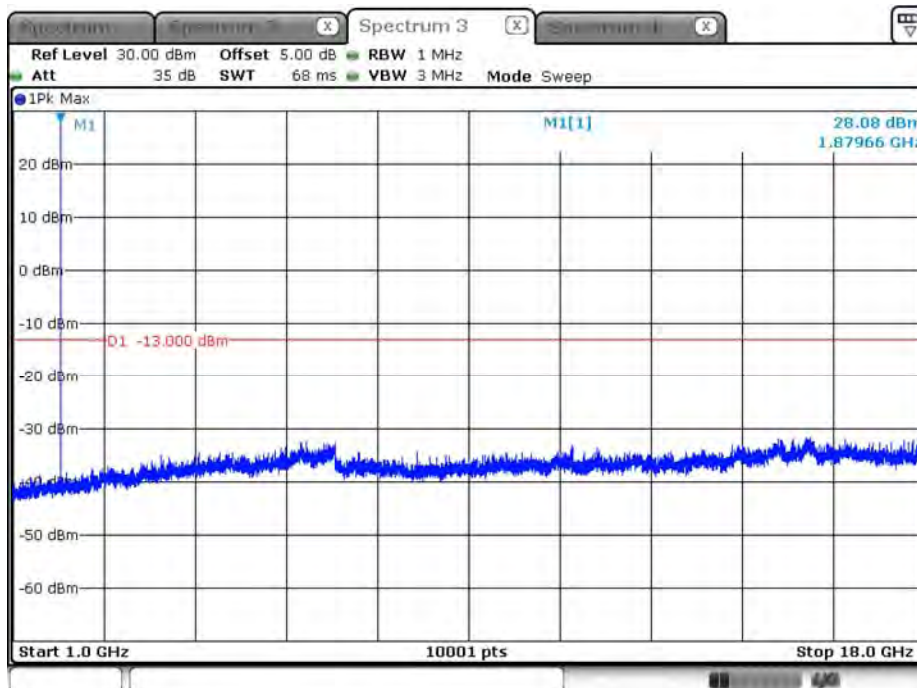
Date: 9 AUG.2018 13:24:21

CH18615_3M_1RB7_16-QAM_Below 1G



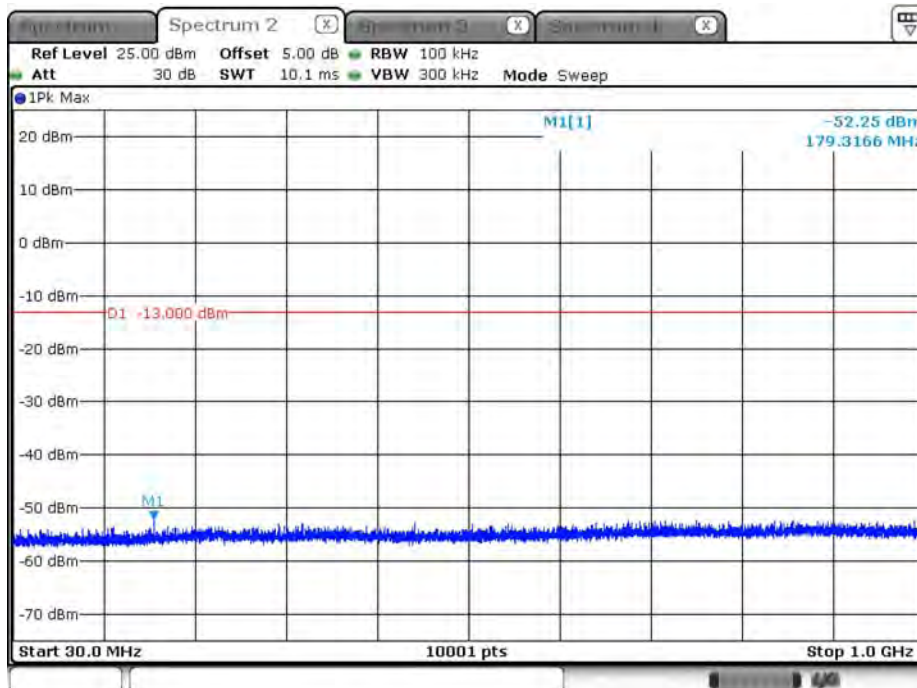
Date: 9 AUG.2018 13:25:50

CH18900_3M_1RB7_QPSK_Above 1G



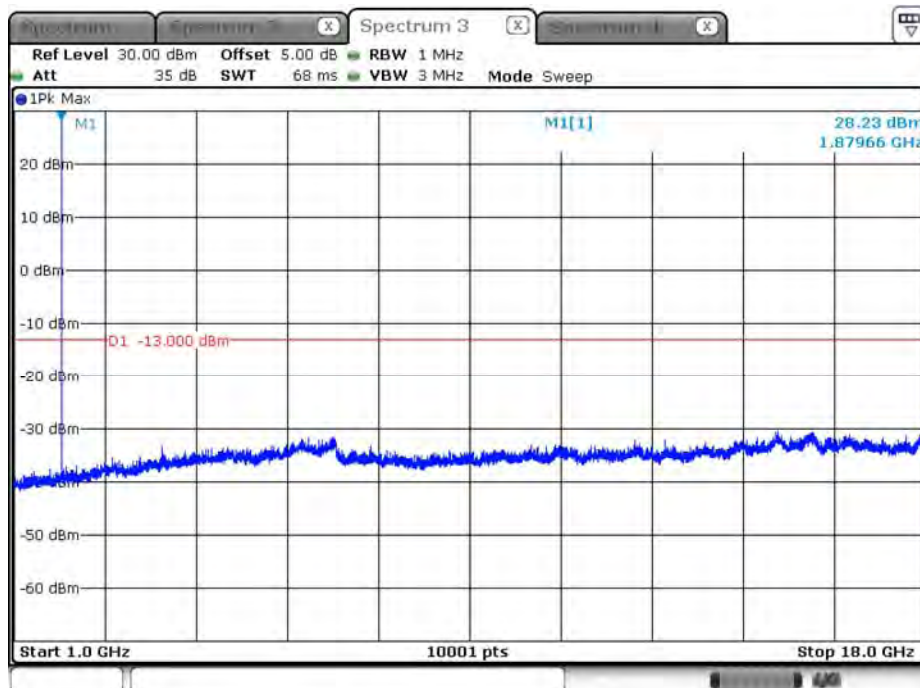
Date: 9 AUG.2018 13:35:41

CH18900_3M_1RB7_QPSK_Below 1G



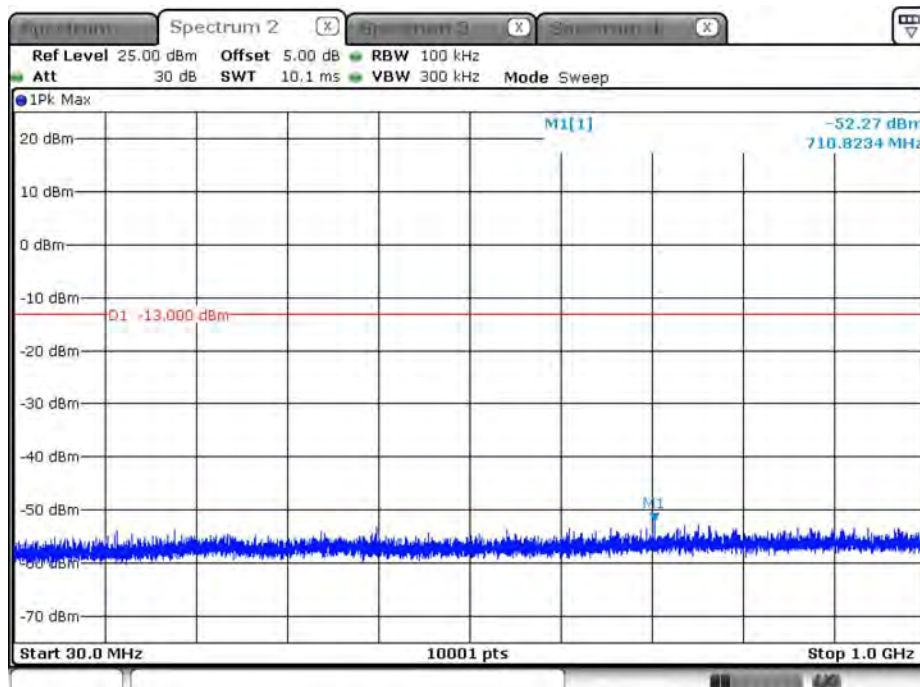
Date: 9 AUG.2018 13:29:13

CH18900_3M_1RB7_16-QAM_Above 1G



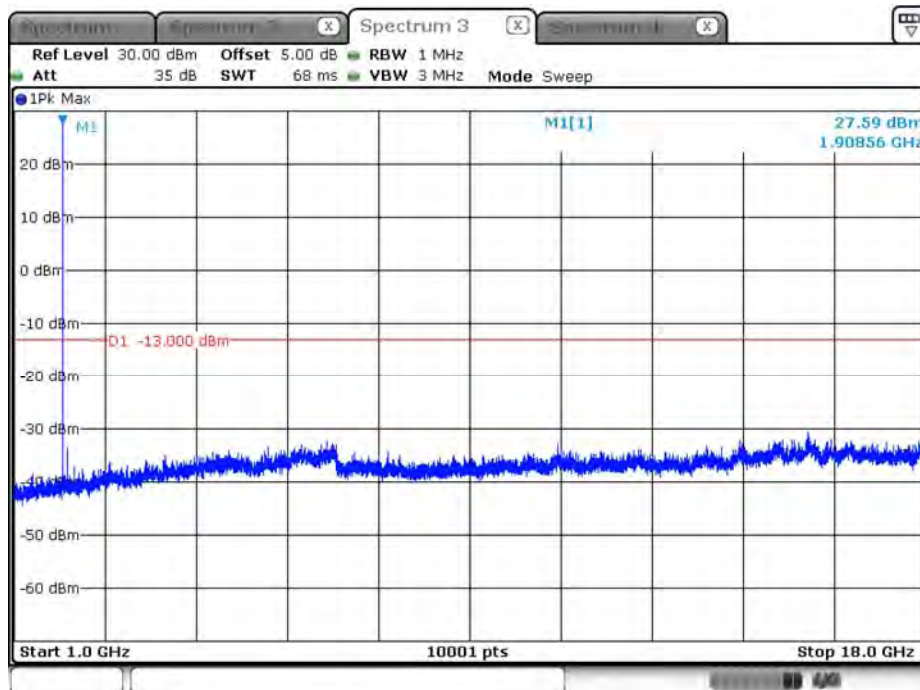
Date: 9 AUG.2018 13:42:04

CH18900_3M_1RB7_16-QAM_Below 1G



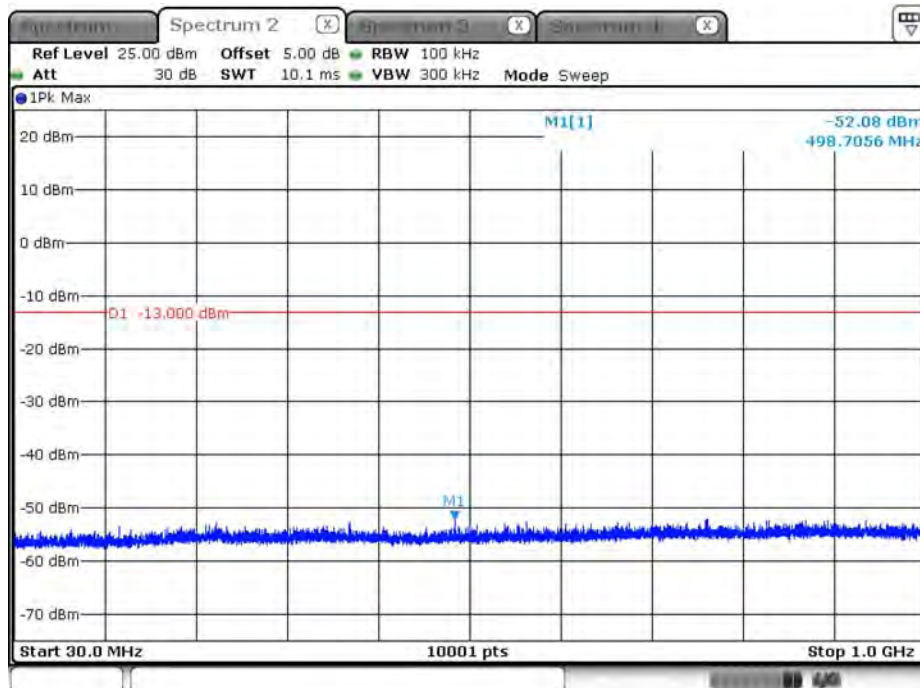
Date: 9 AUG.2018 13:42:29

CH19185_3M_1RB7_QPSK_Above 1G



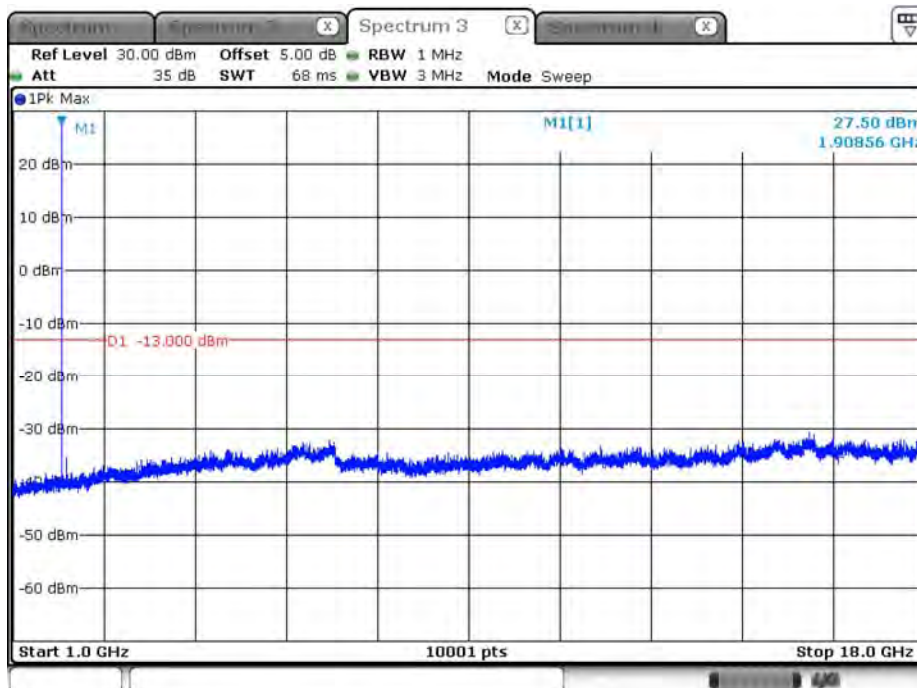
Date: 9 AUG.2018 13:45:32

CH19185_3M_1RB7_QPSK_Below 1G



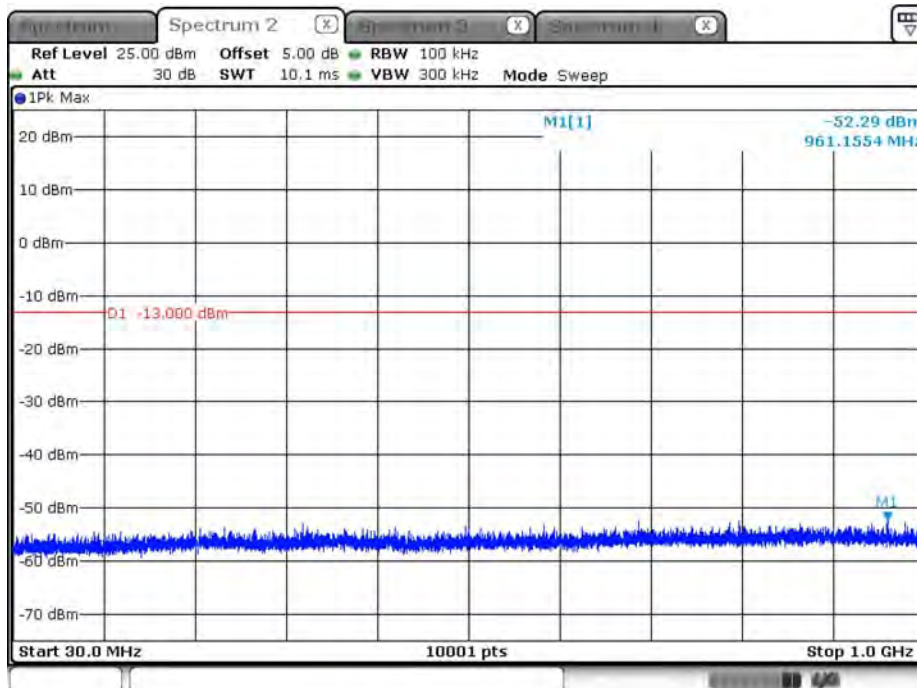
Date: 9 AUG.2018 13:45:04

CH19185_3M_1RB7_16-QAM_Above 1G



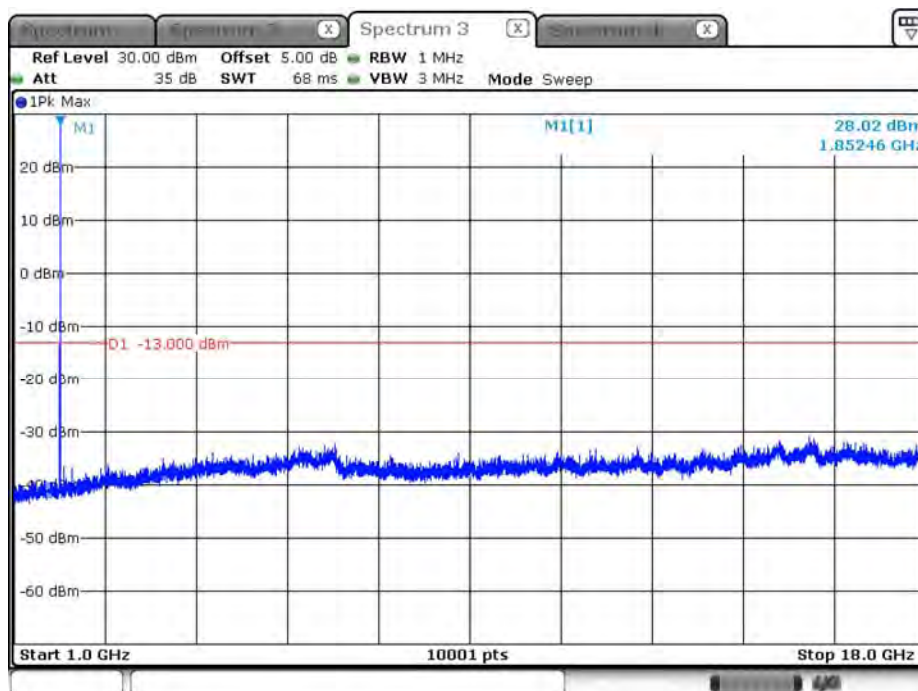
Date: 9 AUG.2018 13:52:32

CH19185_3M_1RB7_16-QAM_Below 1G



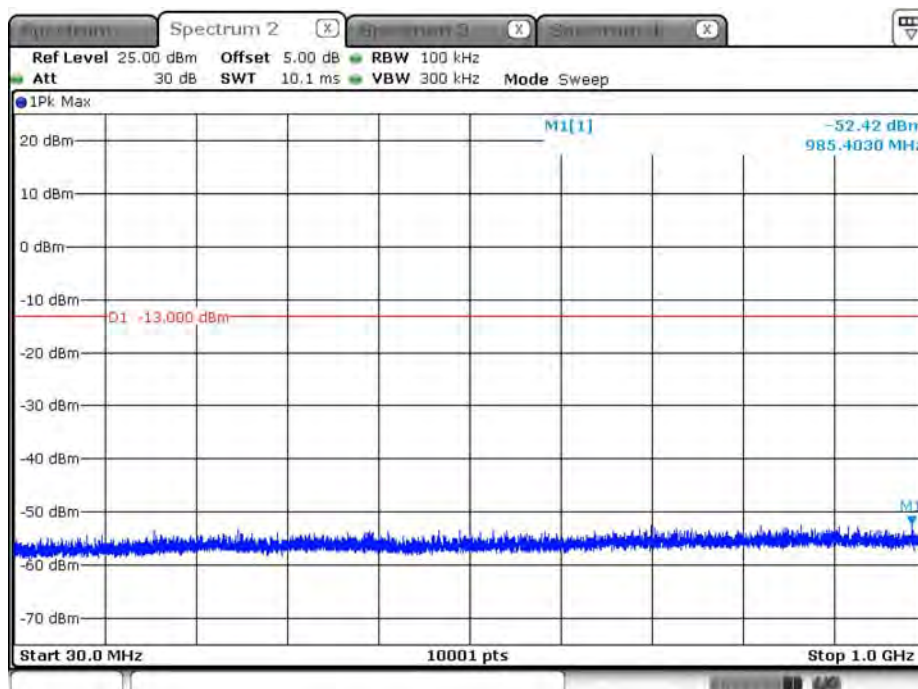
Date: 9 AUG.2018 13:53:12

CH18625_5M_1RB12_QPSK_Above 1G



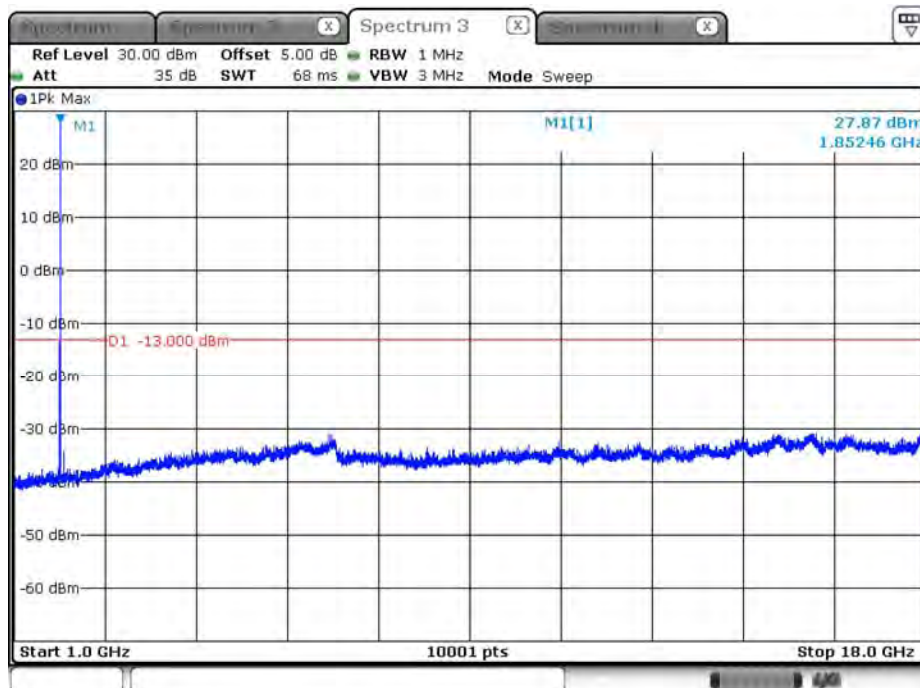
Date: 9 AUG.2018 13:58:45

CH18625_5M_1RB12_QPSK_Below 1G



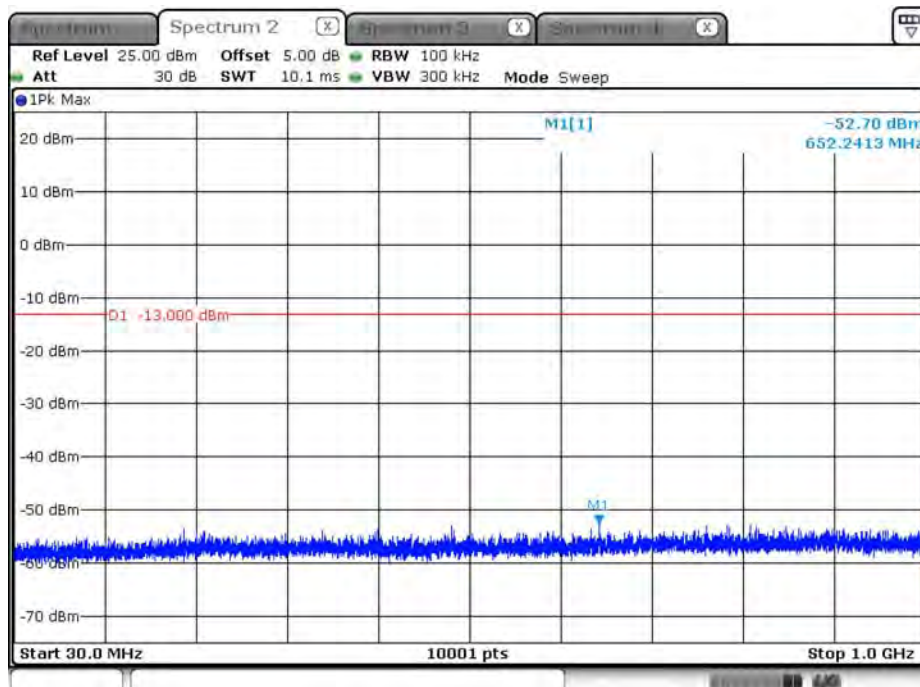
Date: 9 AUG.2018 13:58:21

CH18625_5M_1RB12_16-QAM_Above 1G



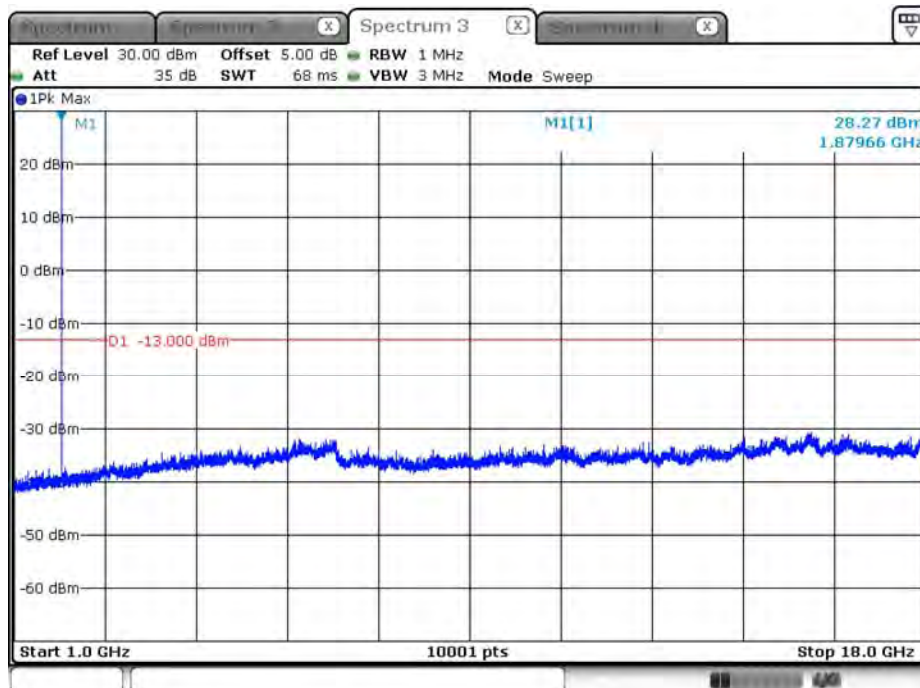
Date: 9 AUG.2018 14:02:08

CH18625_5M_1RB12_16-QAM_Below 1G



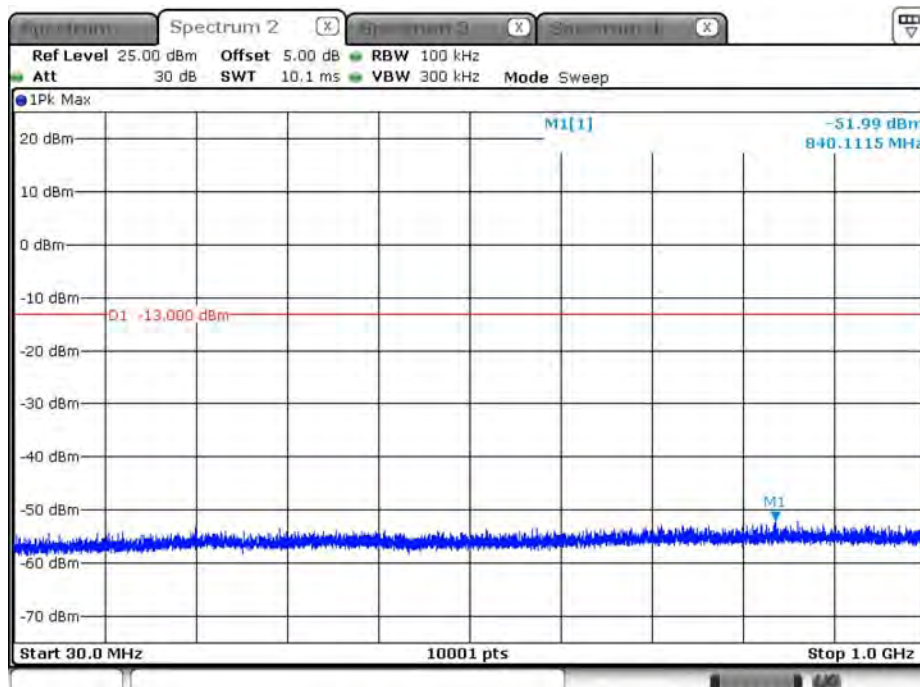
Date: 9 AUG.2018 14:02:28

CH18900_5M_1RB12_QPSK_Above 1G



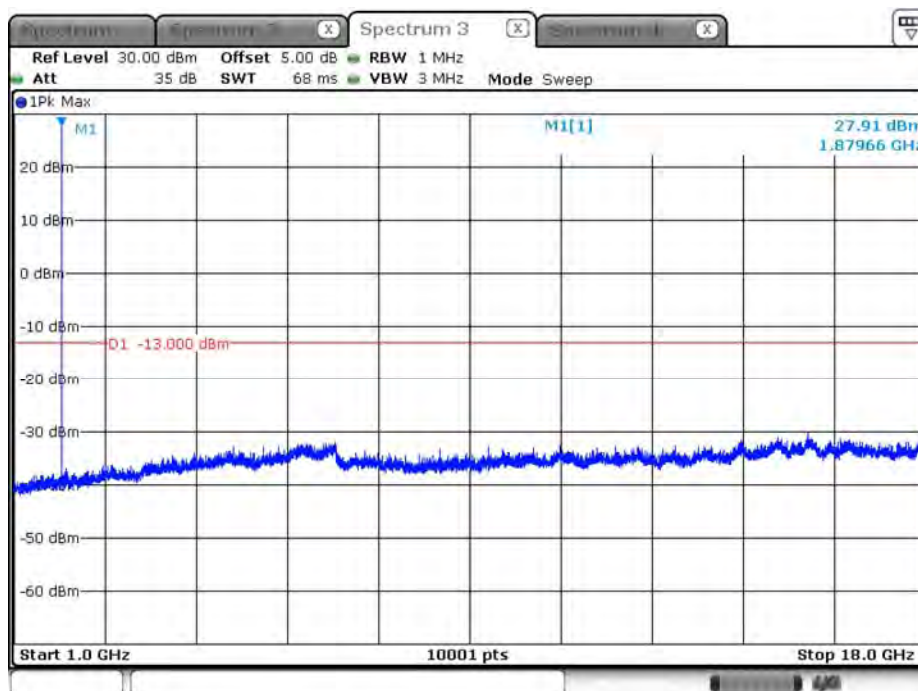
Date: 9 AUG.2018 14:05:26

CH18900_5M_1RB12_QPSK_Below 1G



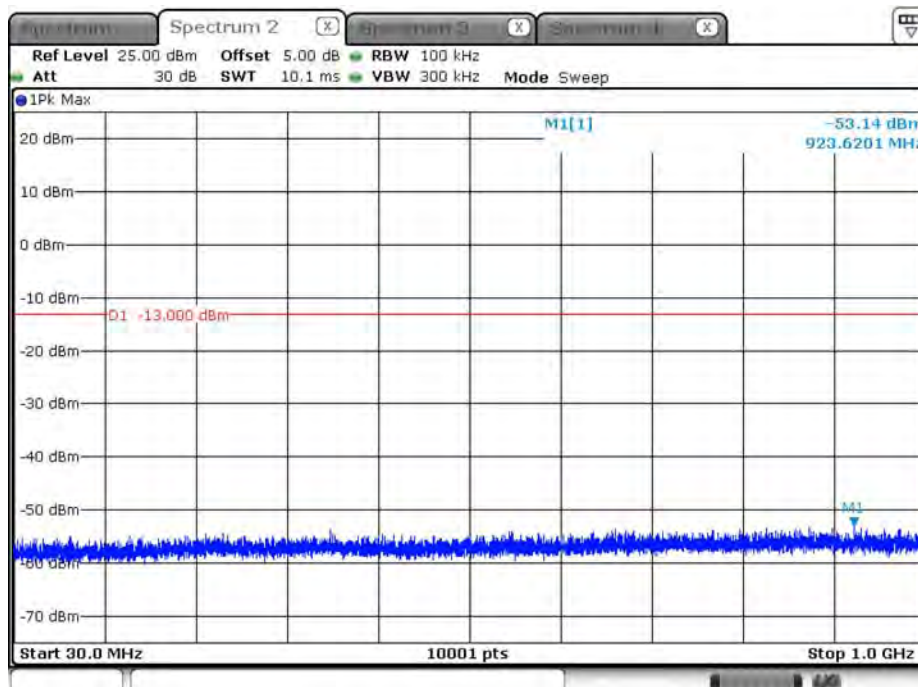
Date: 9 AUG.2018 14:04:04

CH18900_5M_1RB12_16-QAM_Above 1G



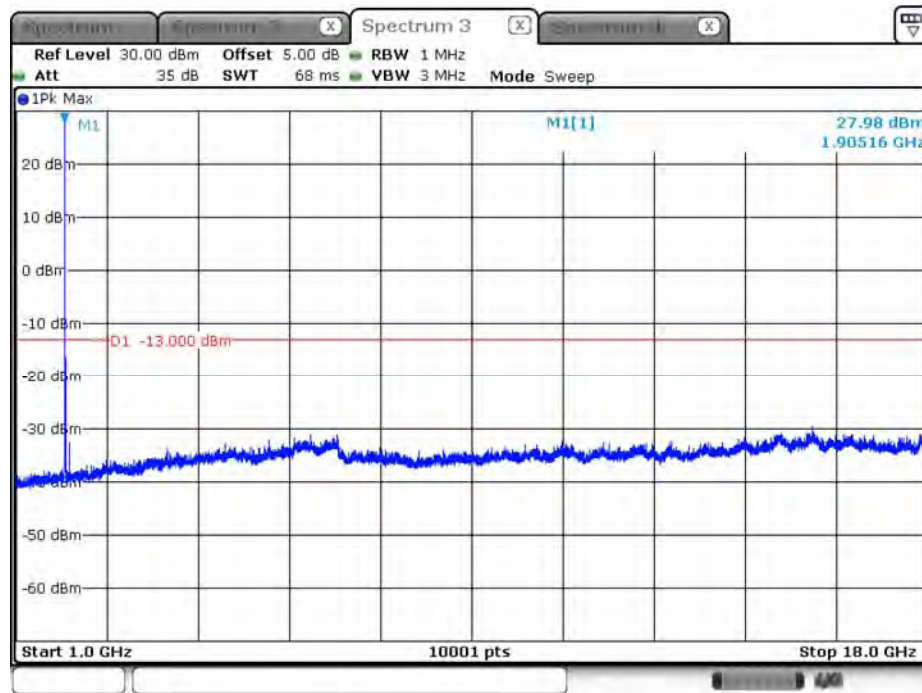
Date: 9 AUG.2018 14:09:35

CH18900_5M_1RB12_16-QAM_Below 1G



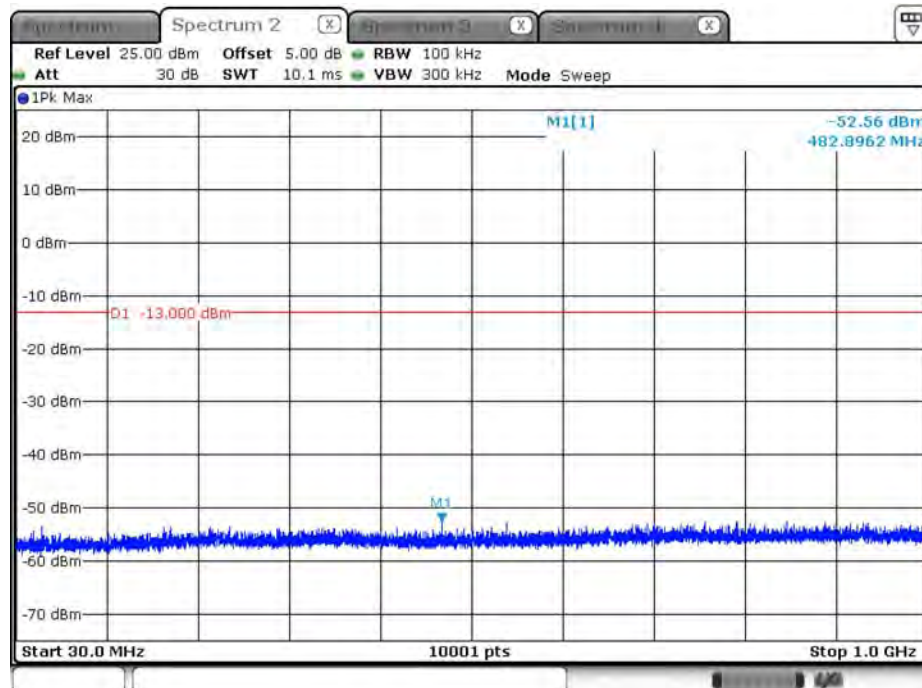
Date: 9 AUG.2018 14:10:07

CH19175_5M_1RB0_QPSK_Above 1G



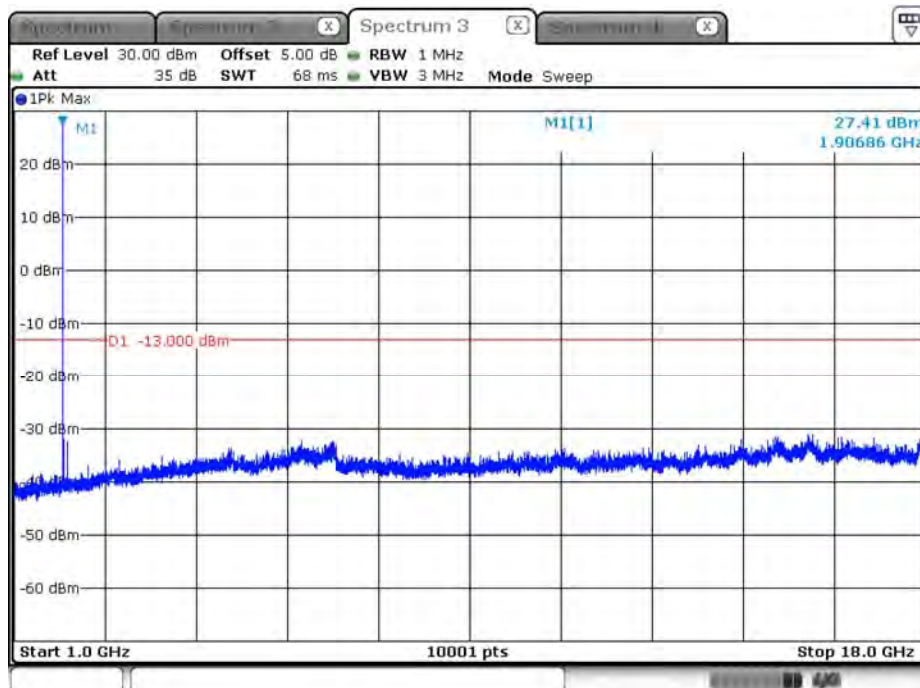
Date: 9 AUG.2018 14:20:16

CH19175_5M_1RB0_QPSK_Below 1G



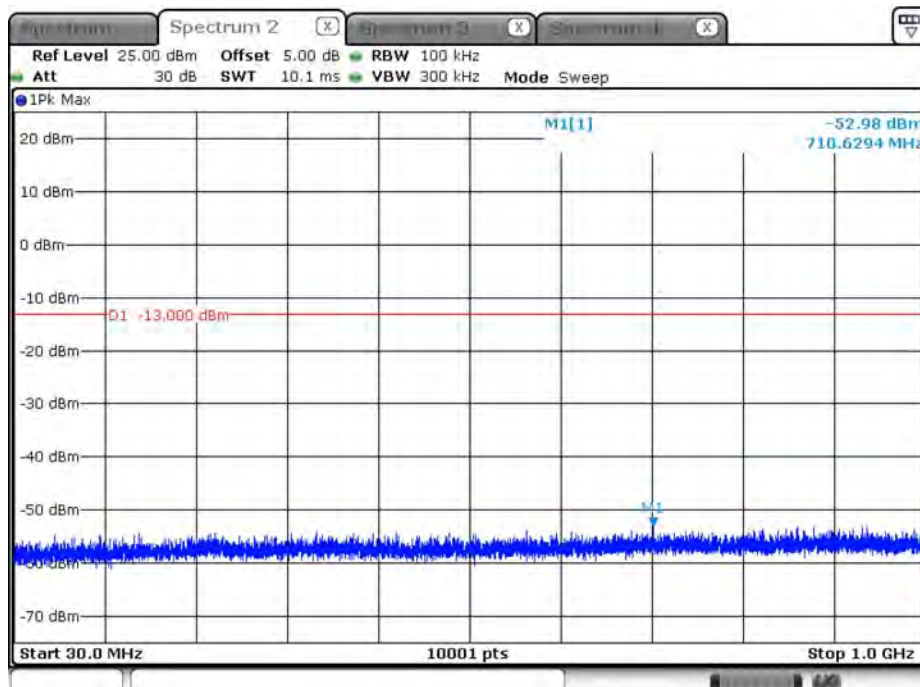
Date: 9 AUG.2018 14:15:02

CH19175_5M_1RB12_16-QAM_Above 1G



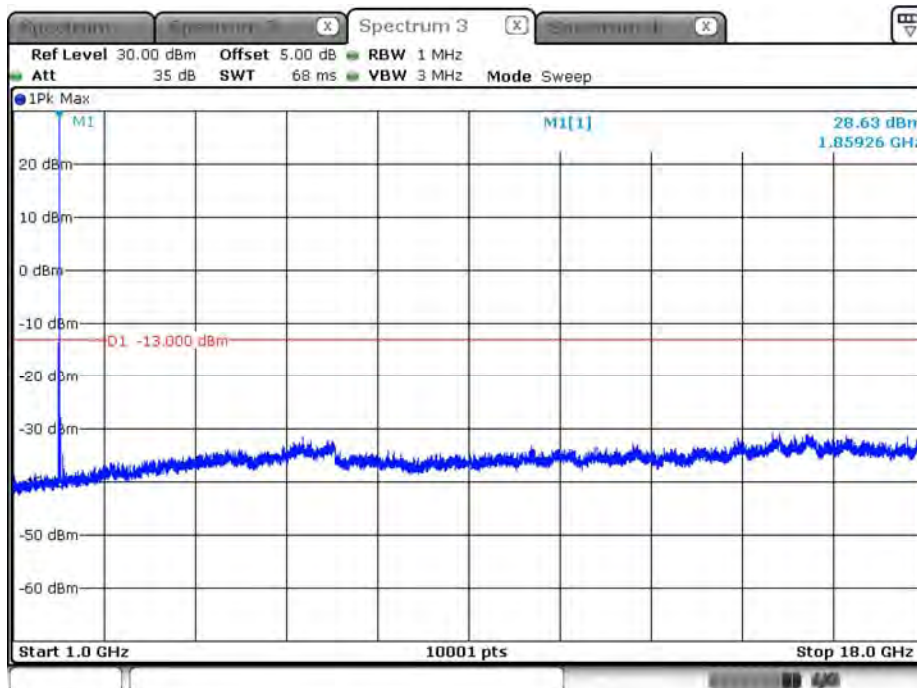
Date: 9 AUG.2018 14:22:19

CH19175_5M_1RB12_16-QAM_Below 1G



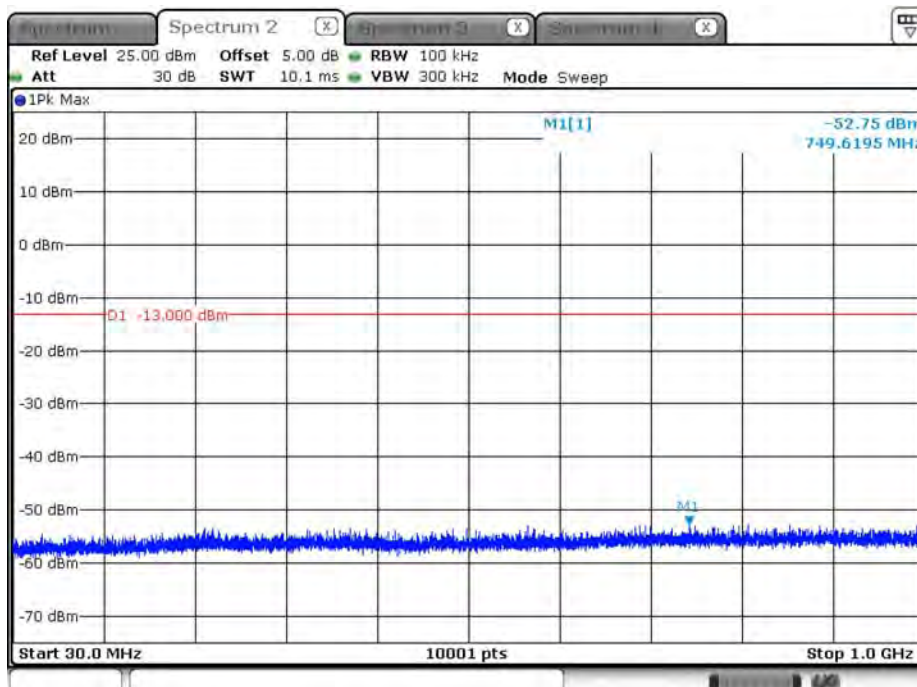
Date: 9 AUG.2018 14:22:44

CH18650_10M_1RB49_QPSK_Above 1G



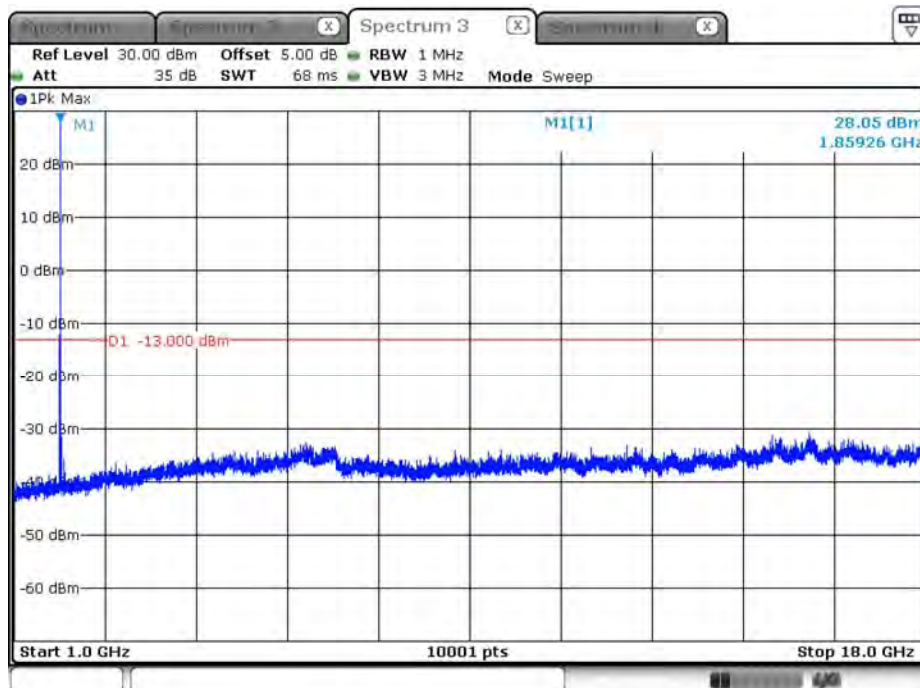
Date: 9 AUG. 2018 15:27:42

CH18650_10M_1RB49_QPSK_Below 1G



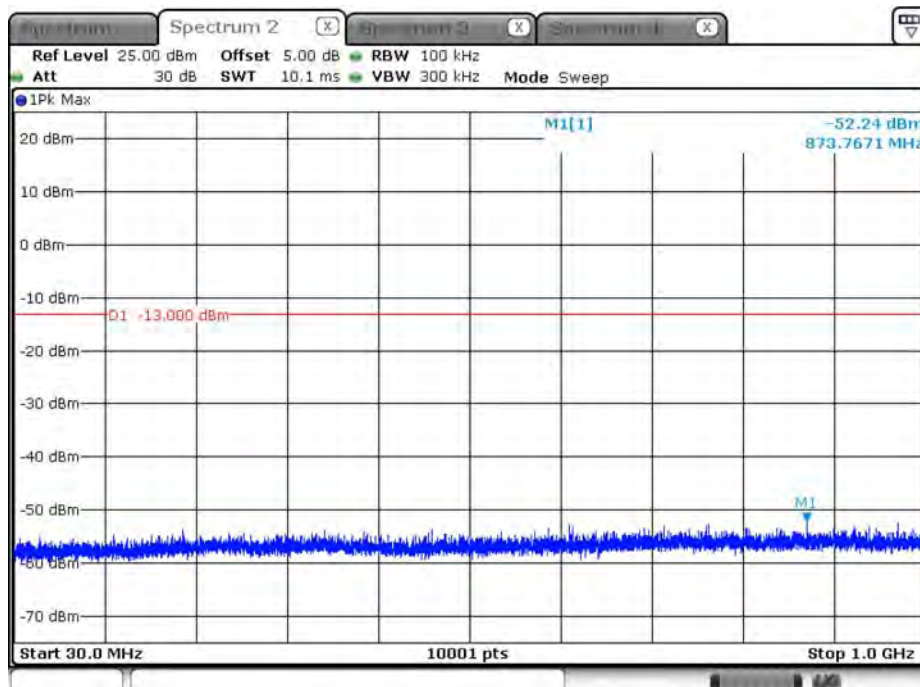
Date: 9 AUG. 2018 15:26:21

CH18650_10M_1RB49_16-QAM_Above 1G



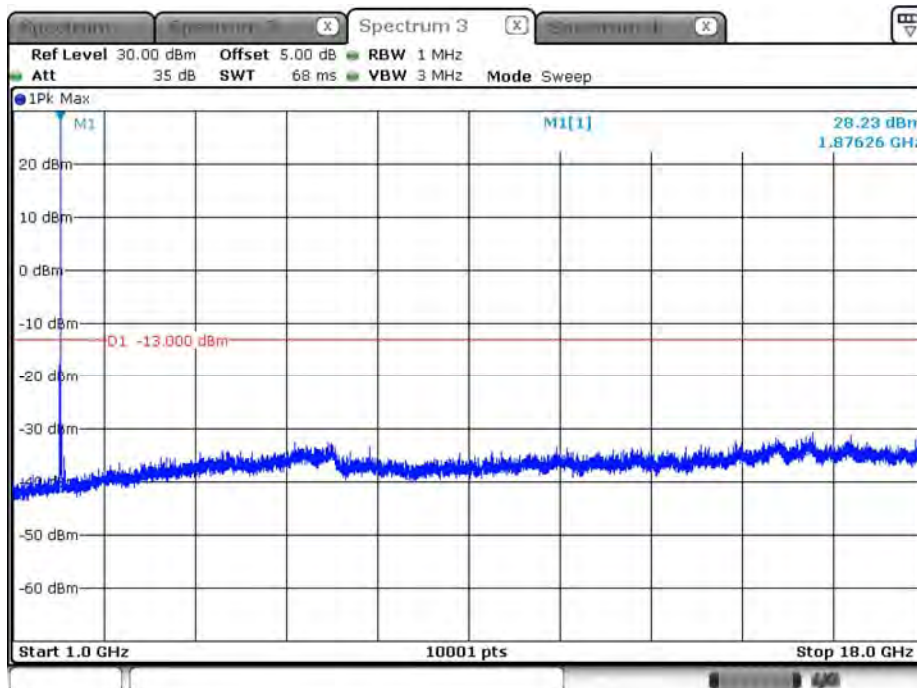
Date: 9 AUG.2018 15:33:18

CH18650_10M_1RB49_16-QAM_Below 1G



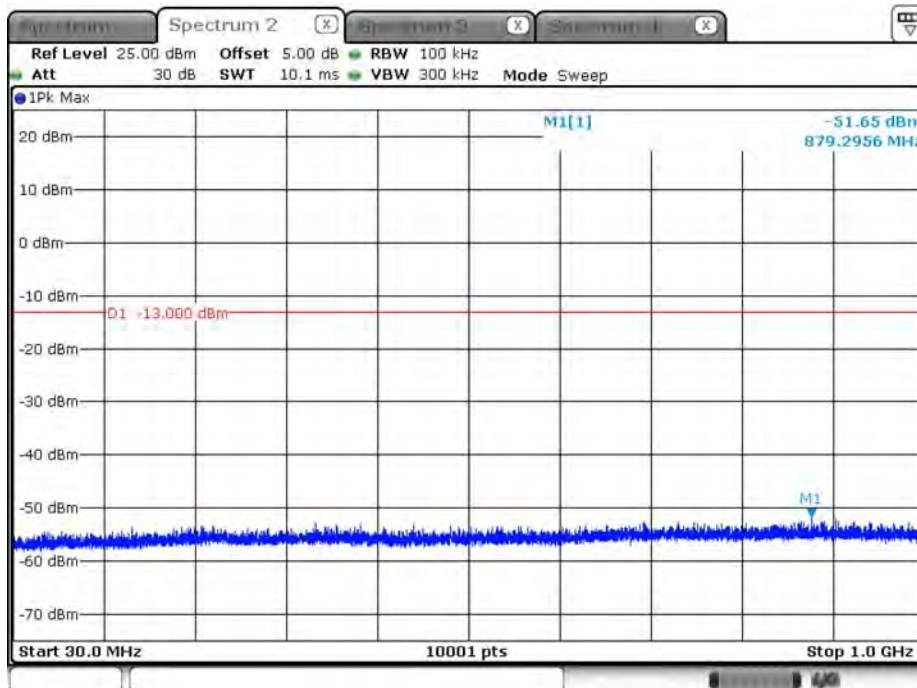
Date: 9 AUG.2018 15:35:33

CH18900_10M_1RB0_QPSK_Above 1G



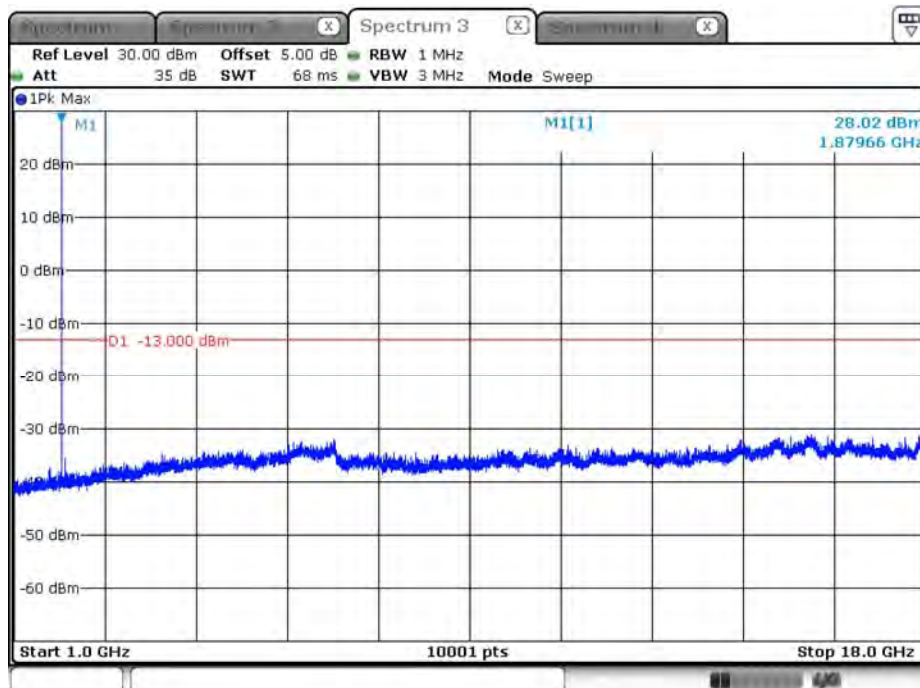
Date: 9 AUG.2018 15:38:48

CH18900_10M_1RB0_QPSK_Below 1G



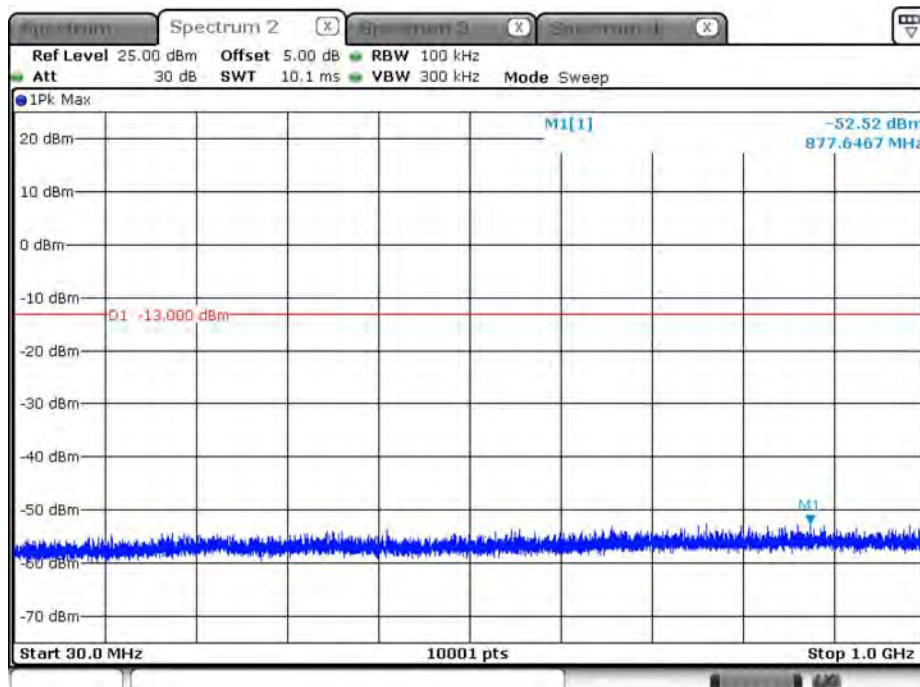
Date: 9 AUG.2018 15:38:16

CH18900_10M_1RB24_16-QAM_Above 1G



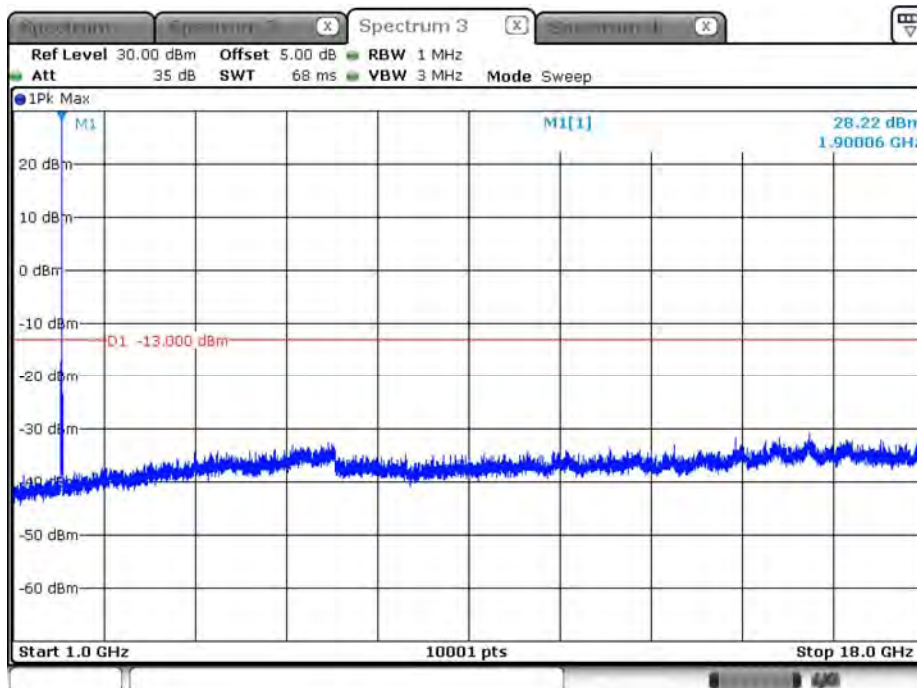
Date: 9 AUG.2018 15:39:52

CH18900_10M_1RB24_16-QAM_Below 1G



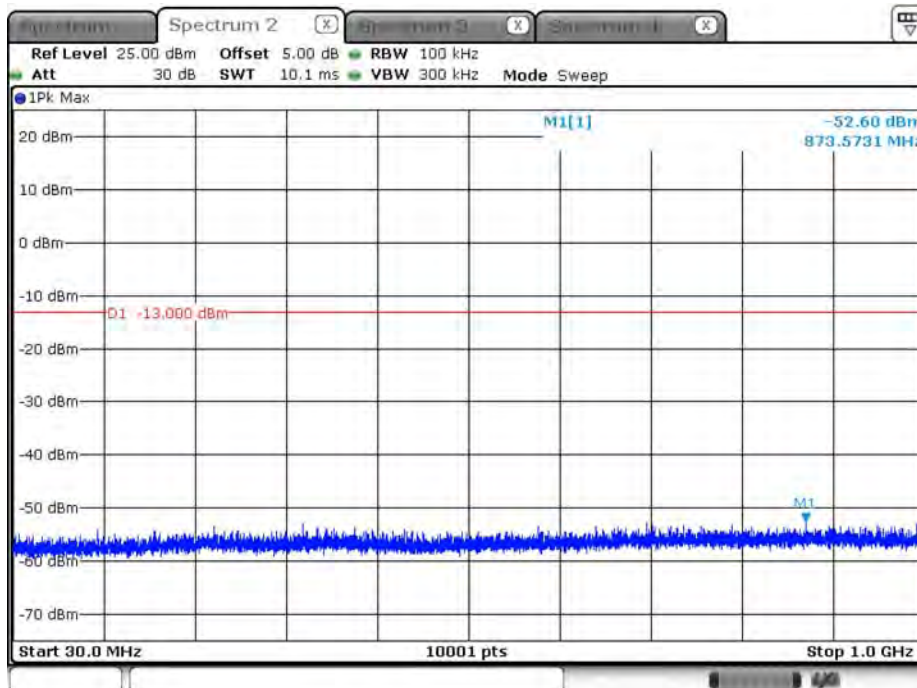
Date: 9 AUG.2018 15:40:17

CH19150_10M_1RB0_QPSK_Above 1G



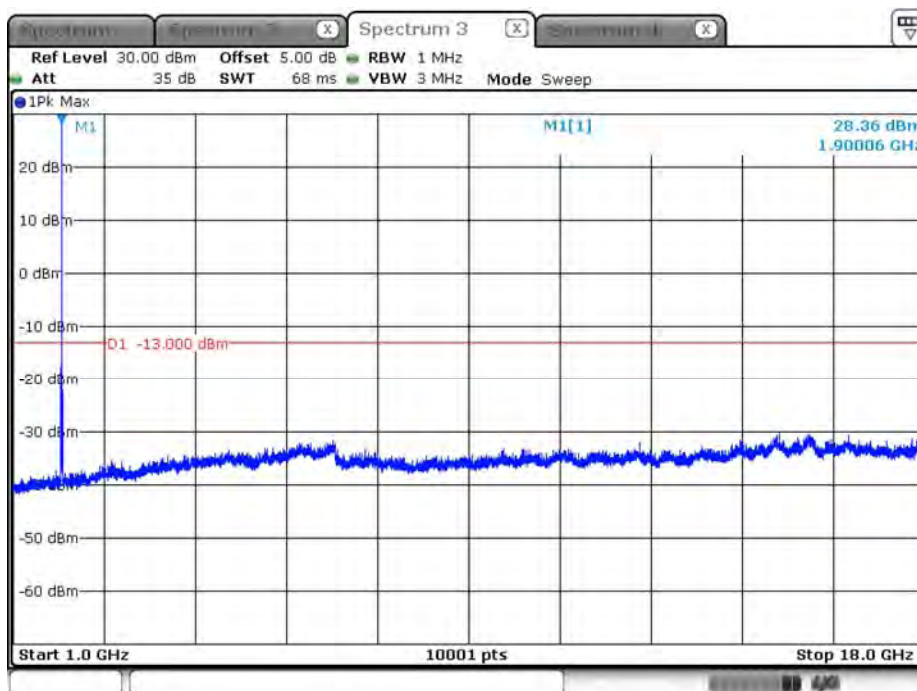
Date: 9 AUG.2018 17:08:15

CH19150_10M_1RB0_QPSK_Below 1G



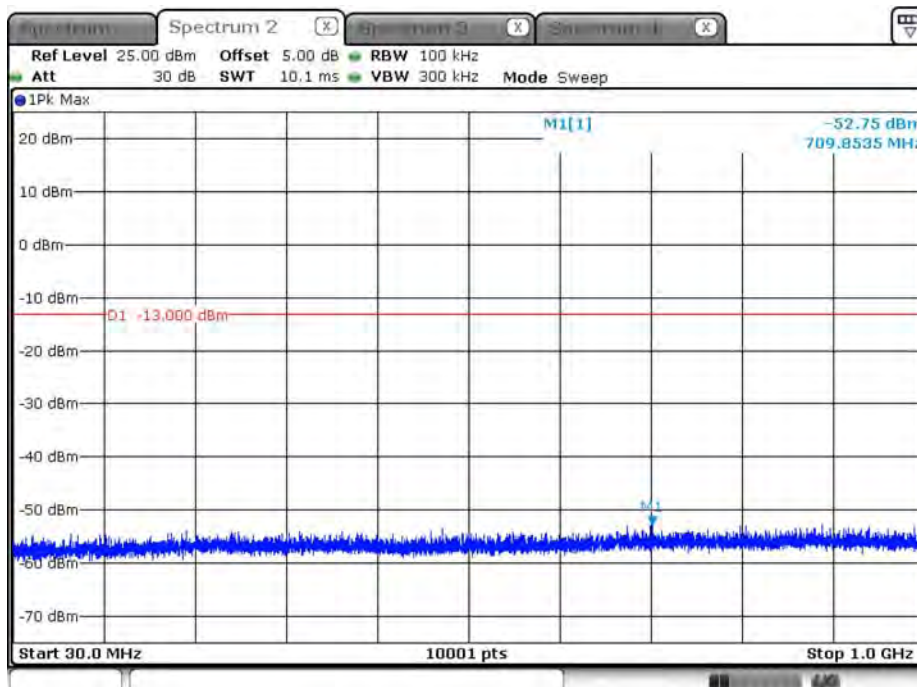
Date: 9 AUG.2018 17:07:51

CH19150_10M_1RB0_16-QAM_Above 1G



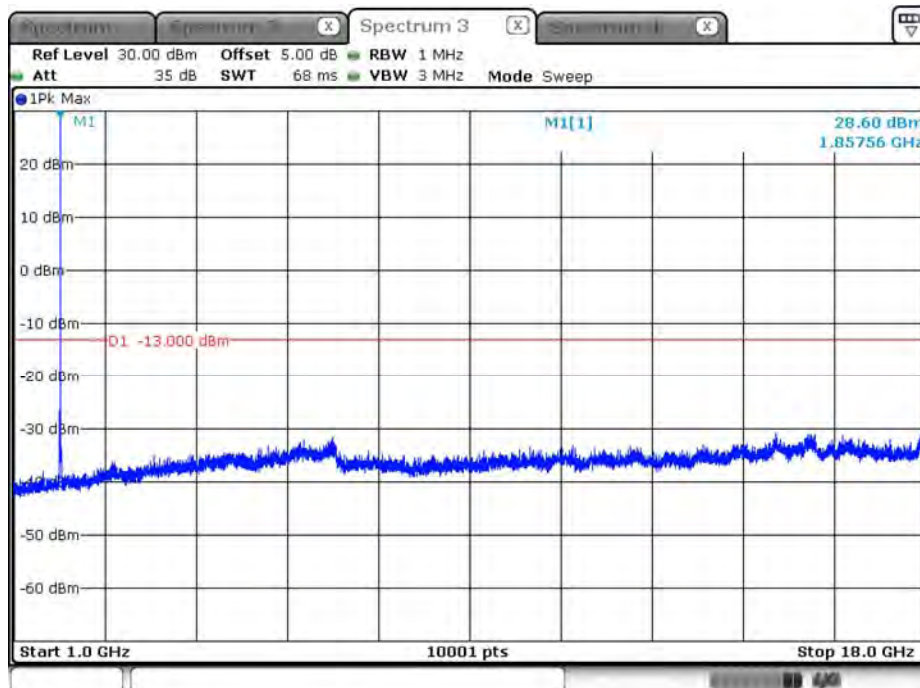
Date: 9 AUG.2018 17:10:45

CH19150_10M_1RB0_16-QAM_Below 1G



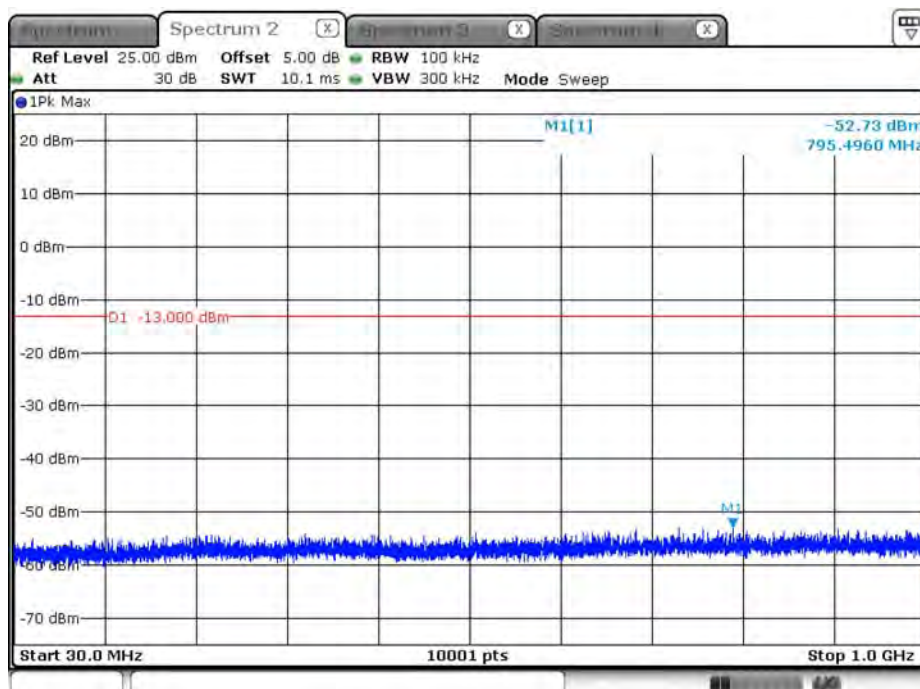
Date: 9 AUG.2018 17:11:17

CH18675_15M_1RB37_QPSK_Above 1G



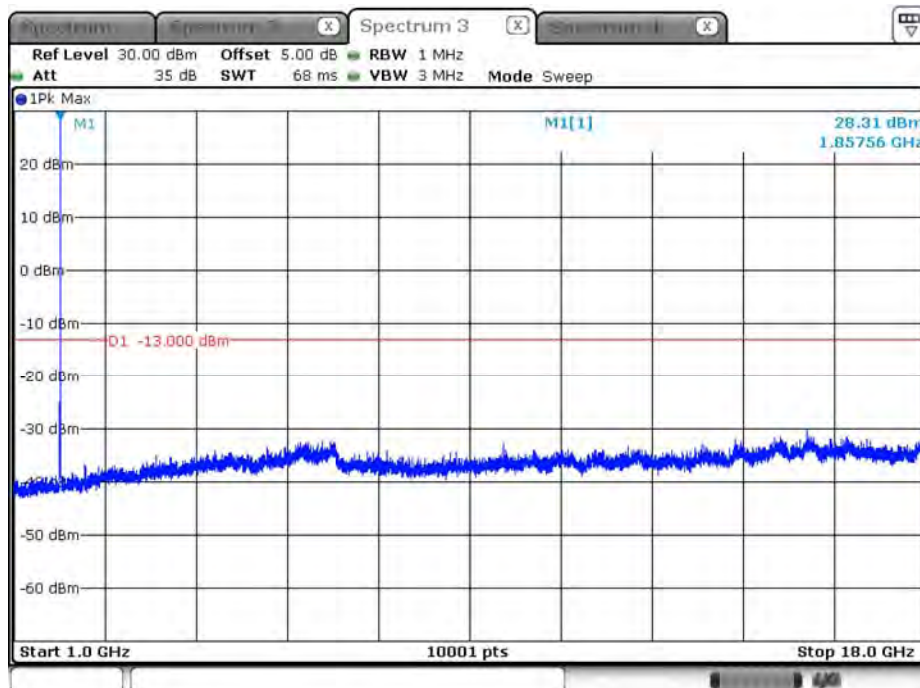
Date: 9 AUG.2018 17:15:22

CH18675_15M_1RB37_QPSK_Below 1G



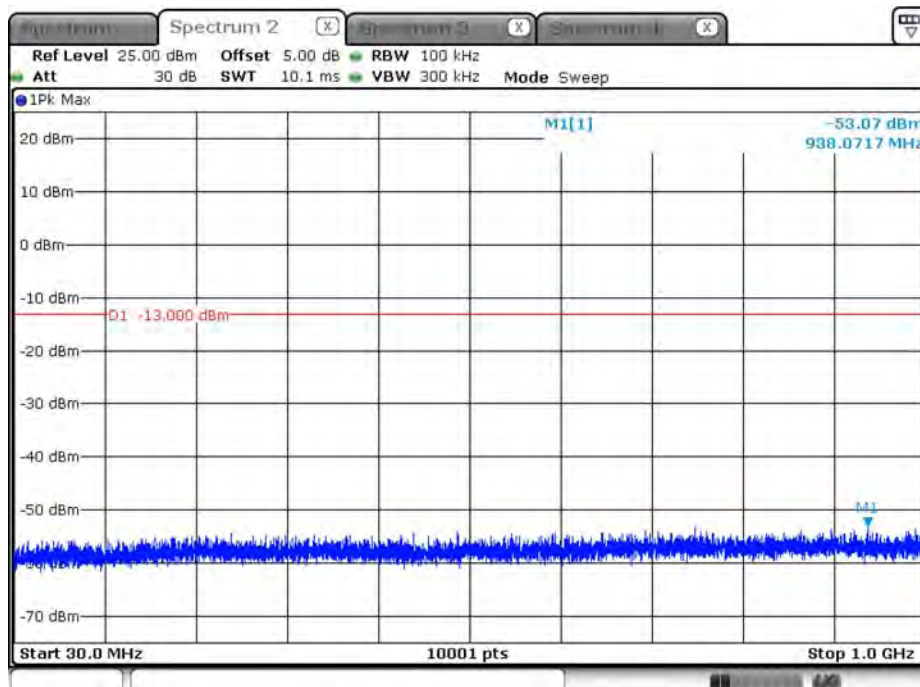
Date: 9 AUG.2018 17:13:58

CH18675_15M_1RB37_16-QAM_Above 1G



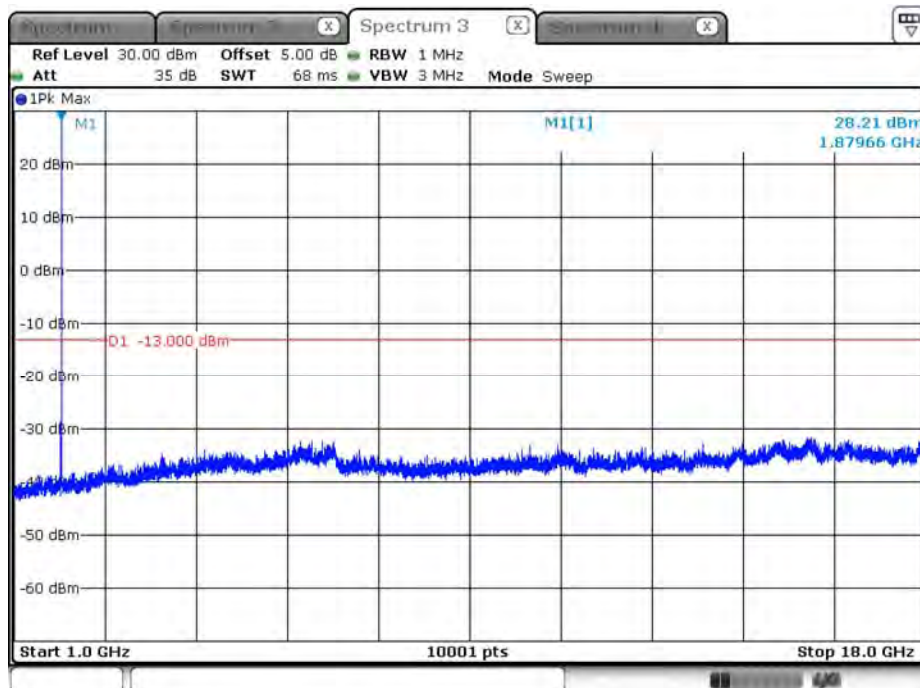
Date: 9 AUG.2018 17:19:00

CH18675_15M_1RB37_16-QAM_Below 1G



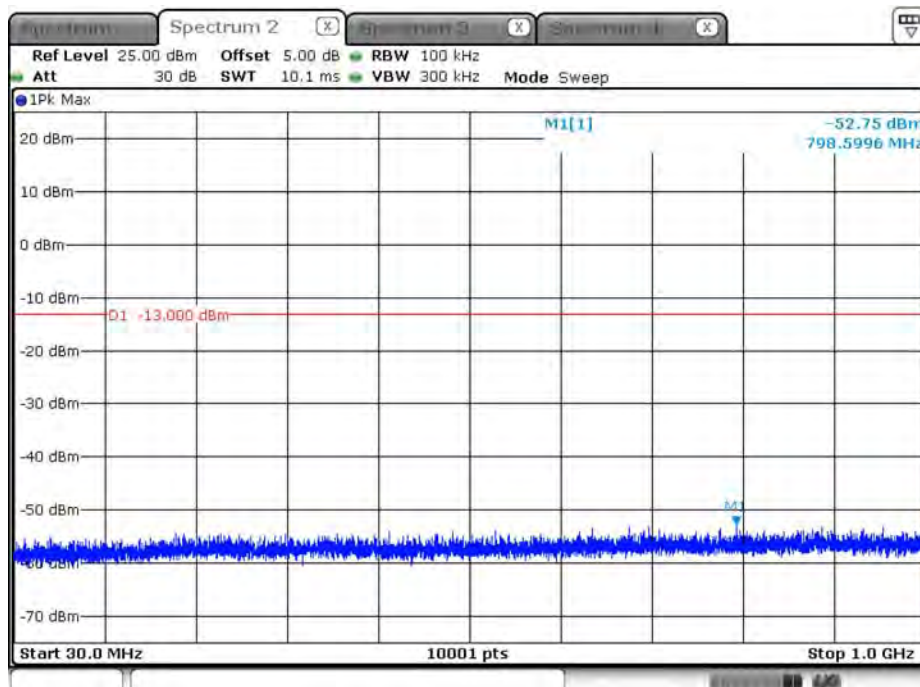
Date: 9 AUG.2018 17:19:21

CH18900_15M_1RB37_QPSK_Above 1G



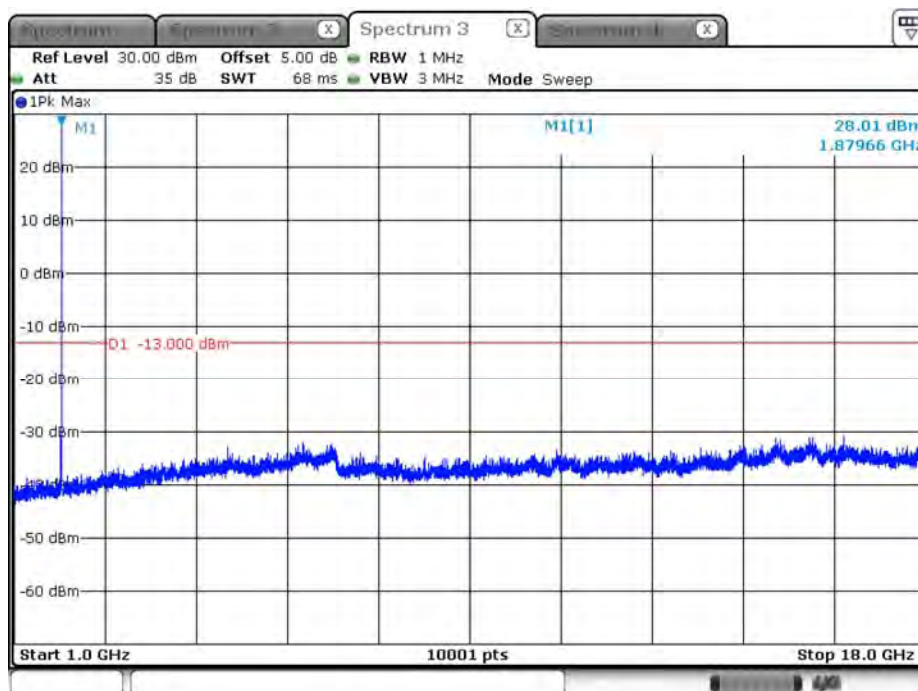
Date: 10 AUG.2018 09:51:37

CH18900_15M_1RB37_QPSK_Below 1G



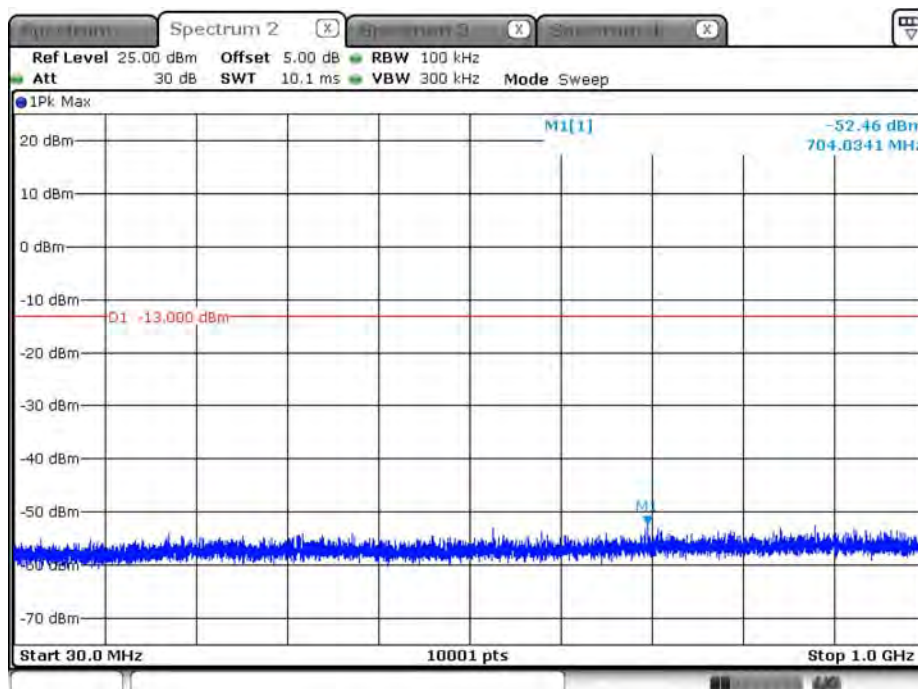
Date: 10 AUG.2018 09:51:07

CH18900_15M_1RB37_16-QAM_Above 1G



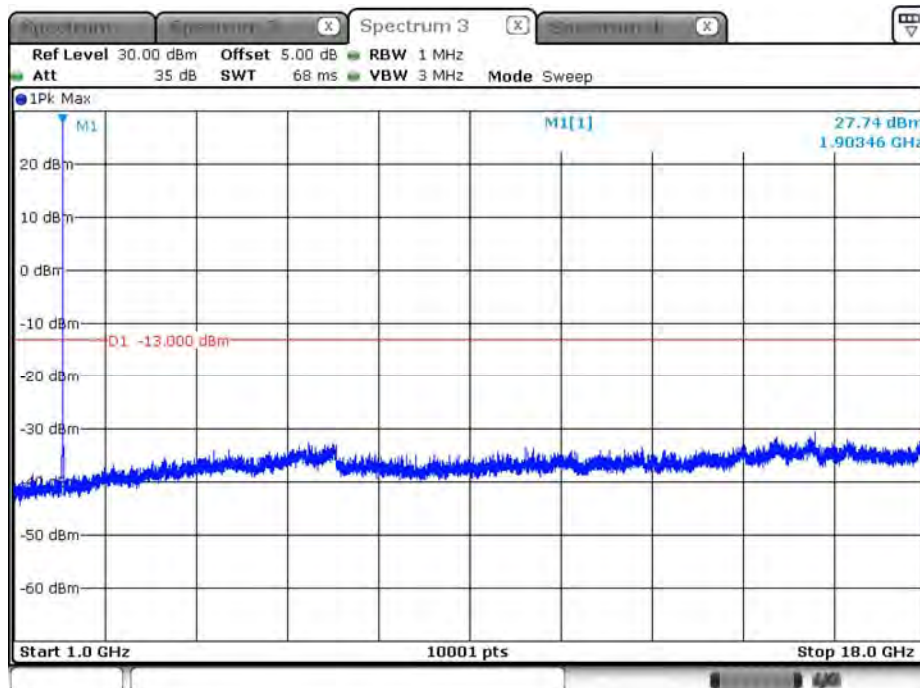
Date: 10 AUG 2018 09:53:40

CH18900_15M_1RB37_16-QAM_Below 1G



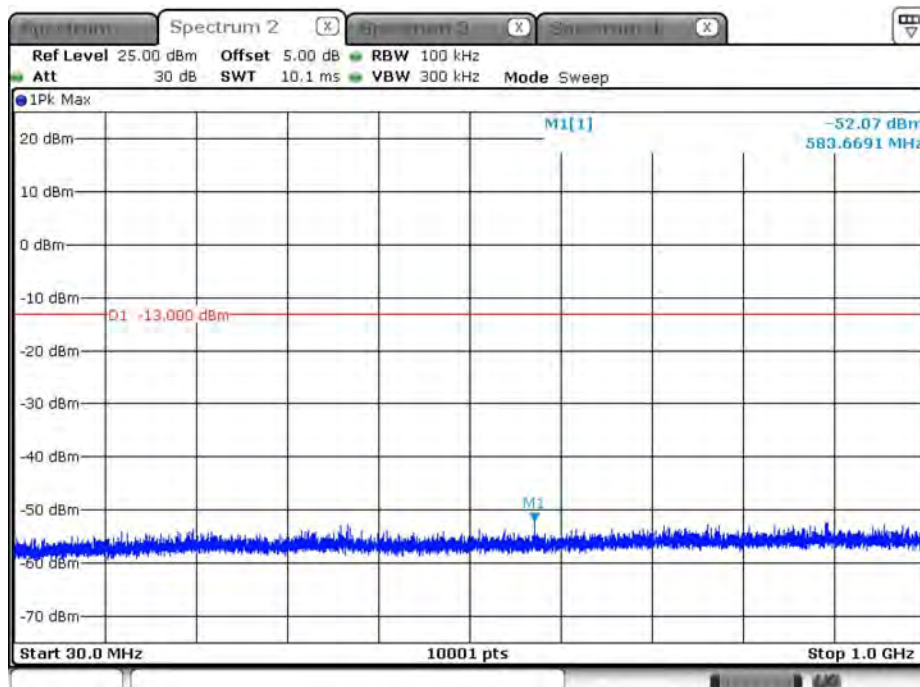
Date: 10 AUG 2018 09:54:02

CH19125_15M_1RB37_QPSK_Above 1G



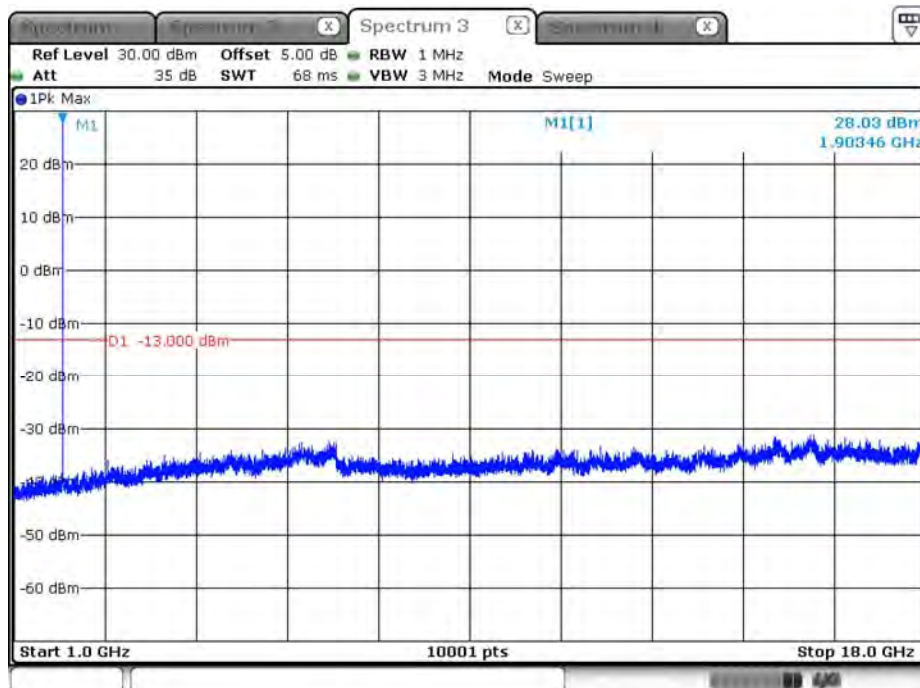
Date: 10 AUG. 2018 09:55:18

CH19125_15M_1RB37_QPSK_Below 1G



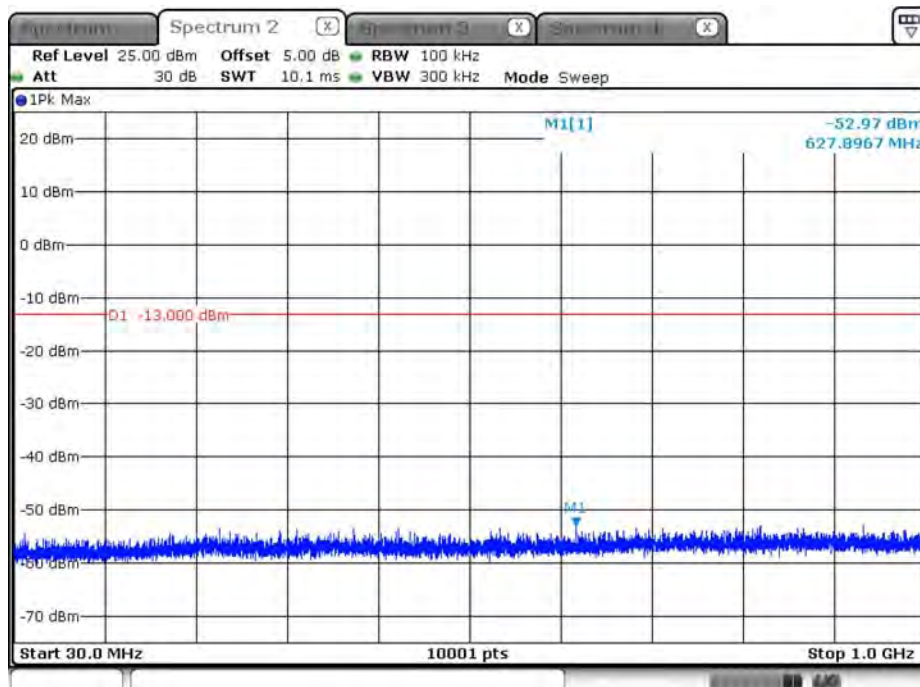
Date: 10 AUG. 2018 09:55:00

CH19125_15M_1RB37_16-QAM_Above 1G



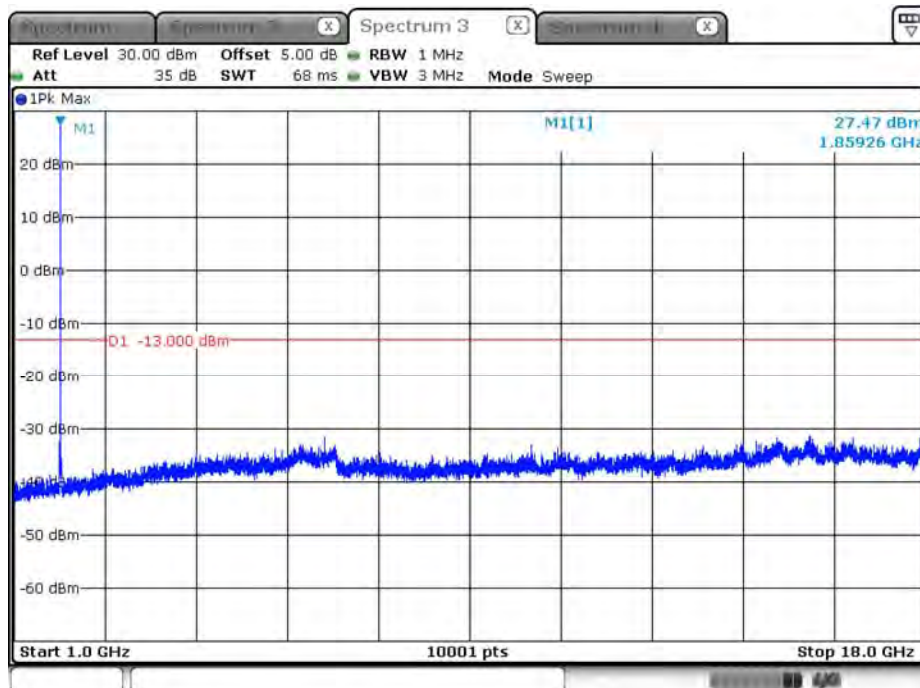
Date: 10 AUG.2018 09:55:46

CH19125_15M_1RB37_16-QAM_Below 1G



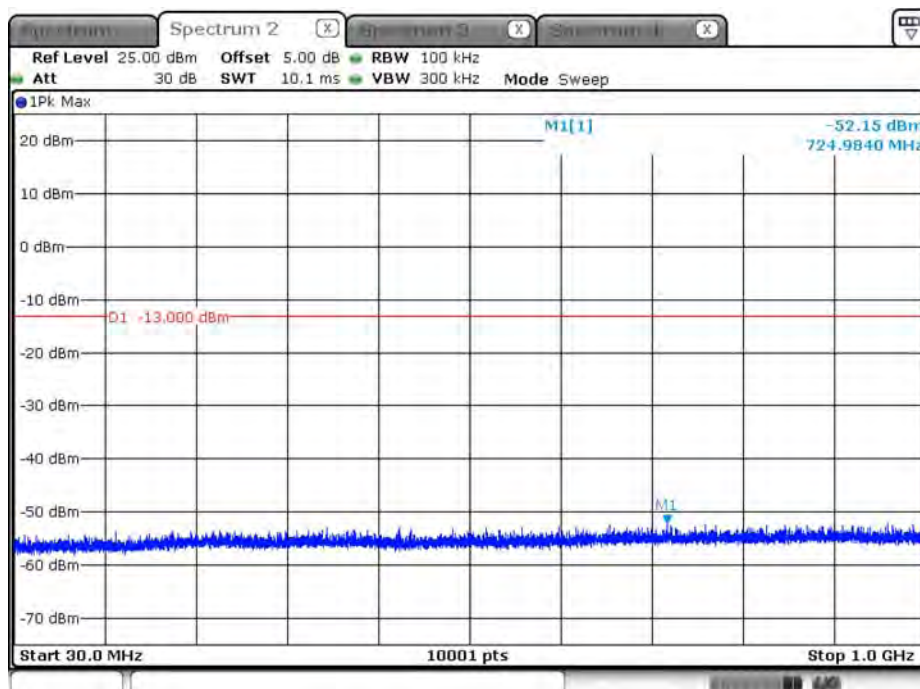
Date: 10 AUG.2018 09:56:00

CH18700_20M_1RB49_QPSK_Above 1G



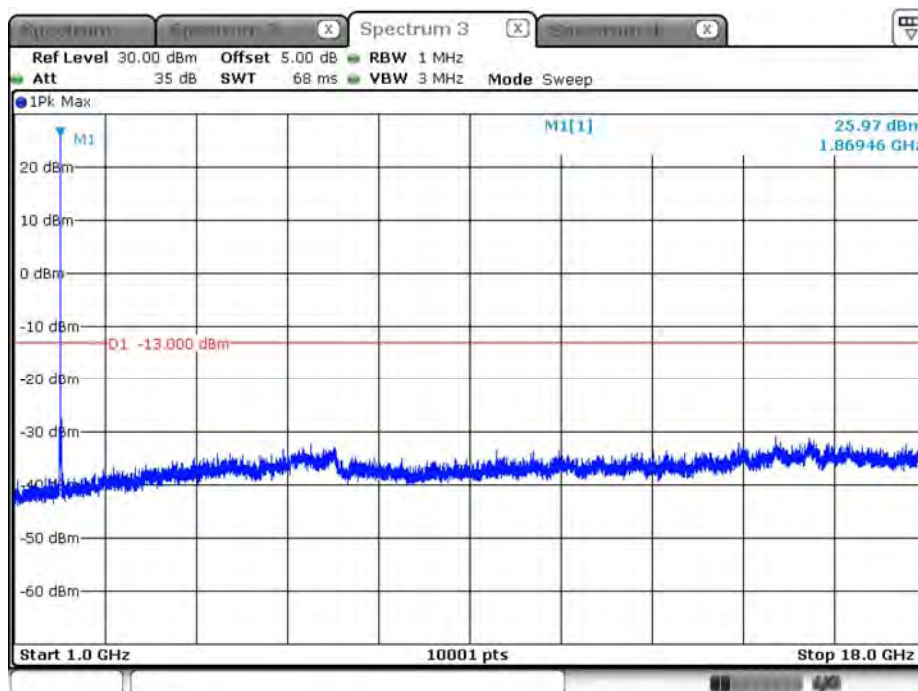
Date: 10 AUG. 2018 09:57:21

CH18700_20M_1RB49_QPSK_Below 1G



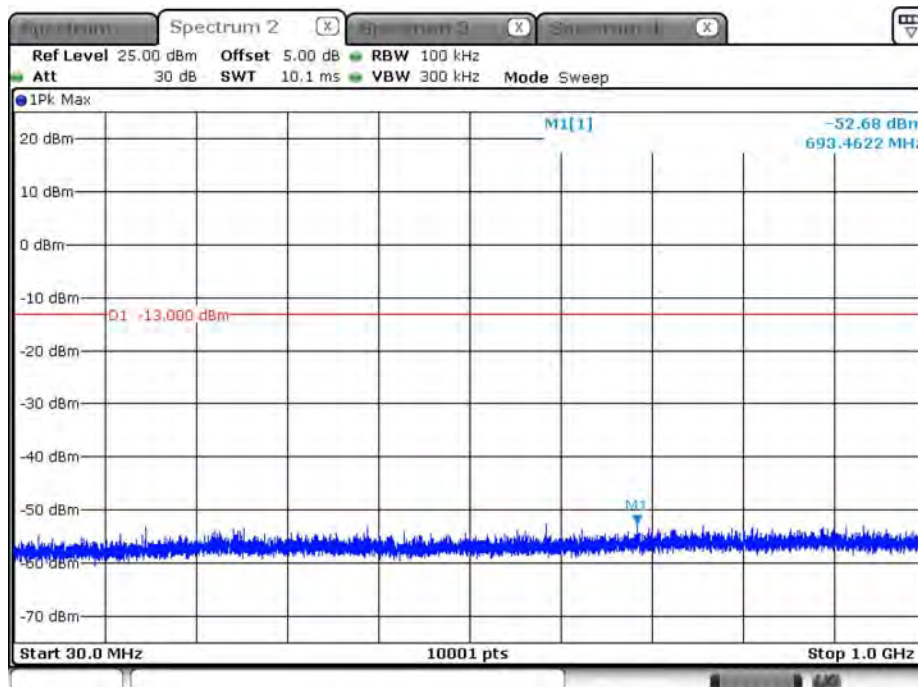
Date: 10 AUG. 2018 09:57:10

CH18700_20M_1RB99_16-QAM_Above 1G



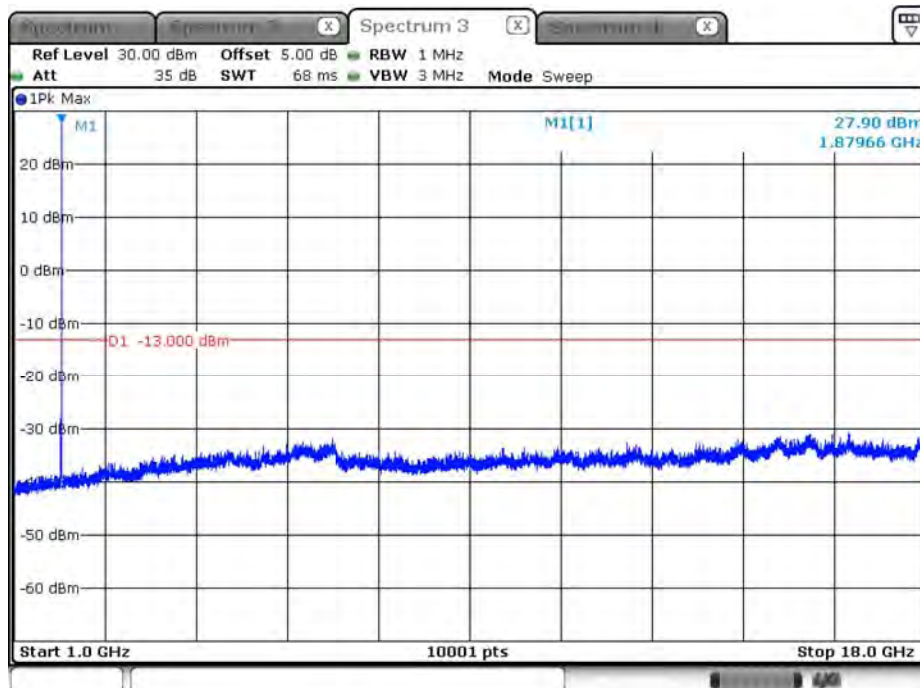
Date: 10 AUG.2018 10:00:38

CH18700_20M_1RB99_16-QAM_Below 1G



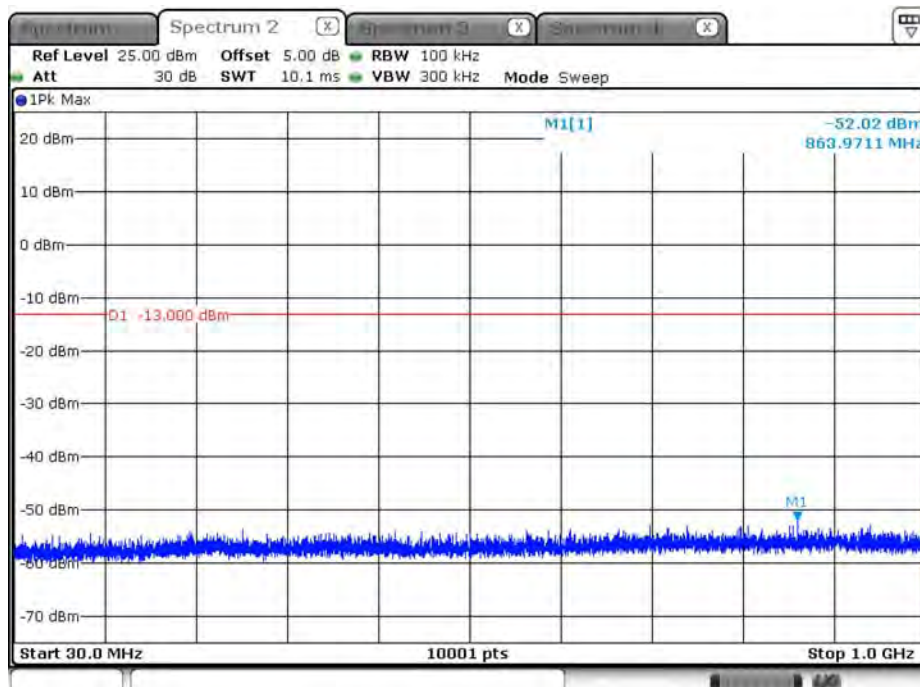
Date: 10 AUG.2018 10:01:13

CH18900_20M_1RB49_QPSK_Above 1G



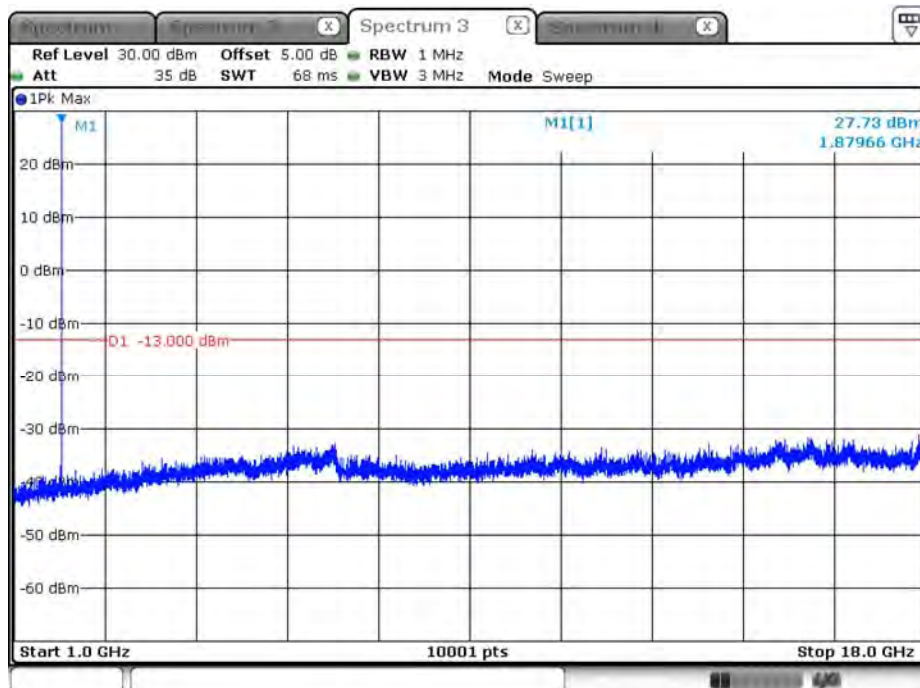
Date: 10 AUG 2018 10:02:25

CH18900_20M_1RB49_QPSK_Below 1G



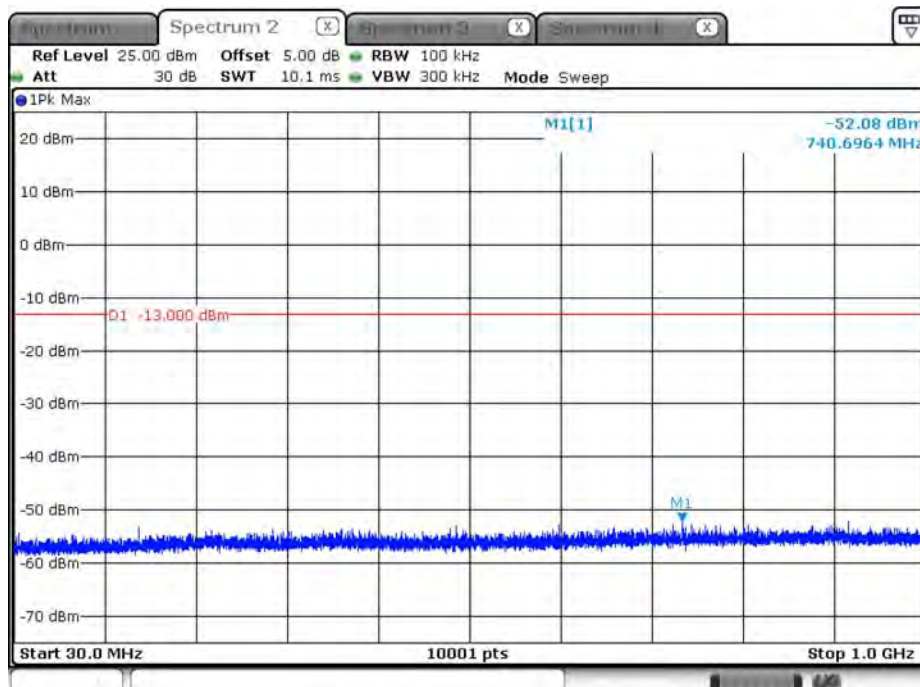
Date: 10 AUG 2018 10:01:48

CH18900_20M_1RB49_16-QAM_Above 1G



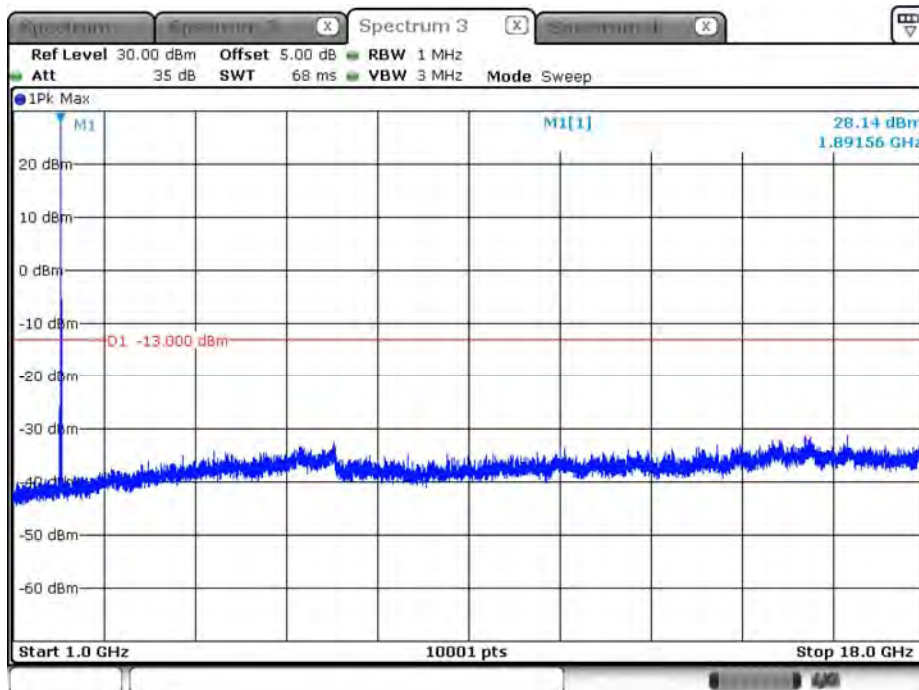
Date: 10 AUG 2018 10:02:39

CH18900_20M_1RB49_16-QAM_Below 1G



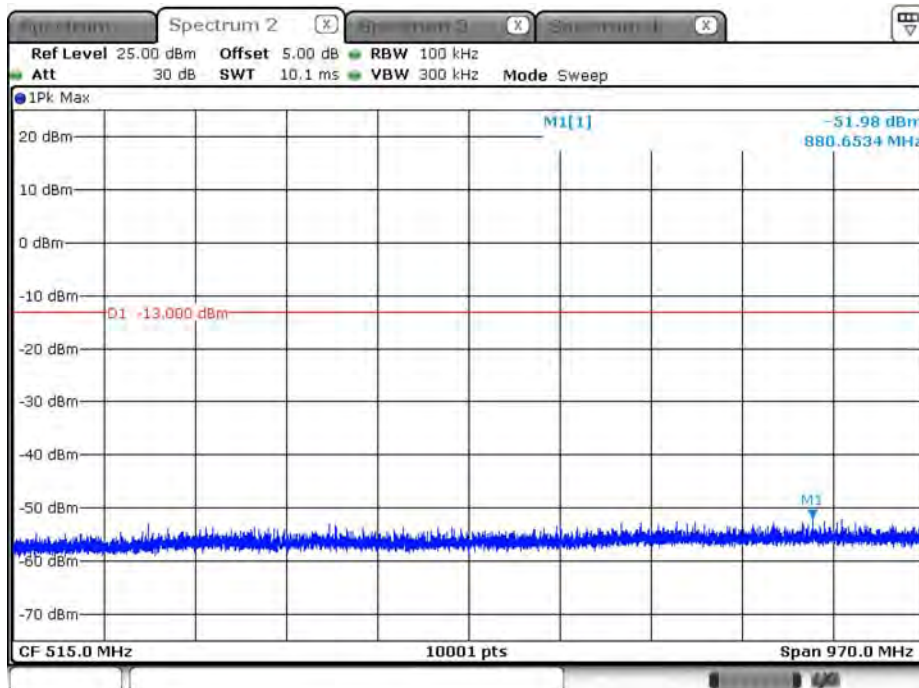
Date: 10 AUG 2018 10:03:09

CH19100_20M_1RB0_QPSK_Above 1G



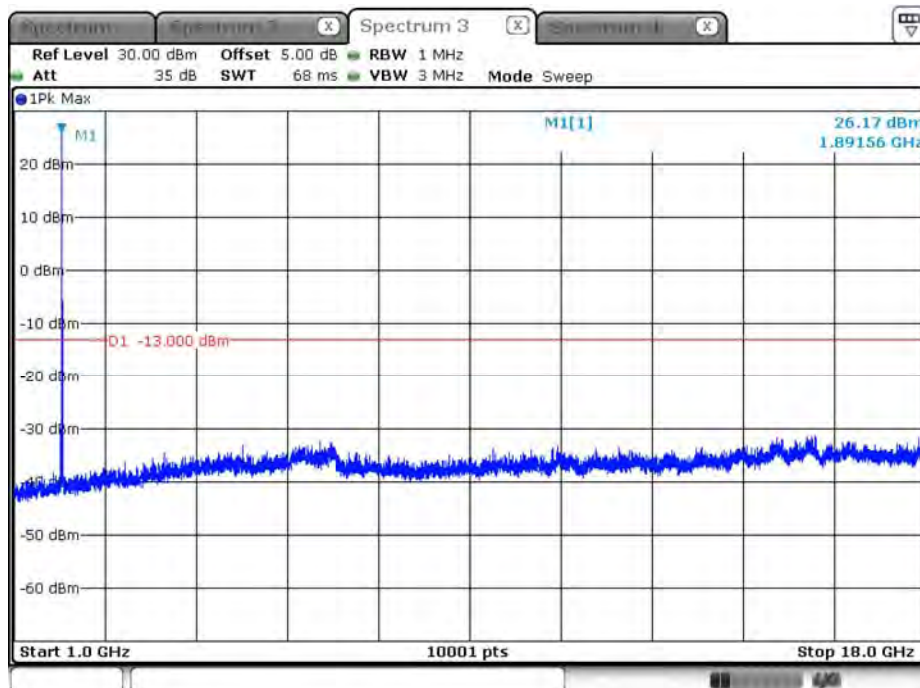
Date: 10 AUG.2018 10:04:43

CH19100_20M_1RB0_QPSK_Below 1G



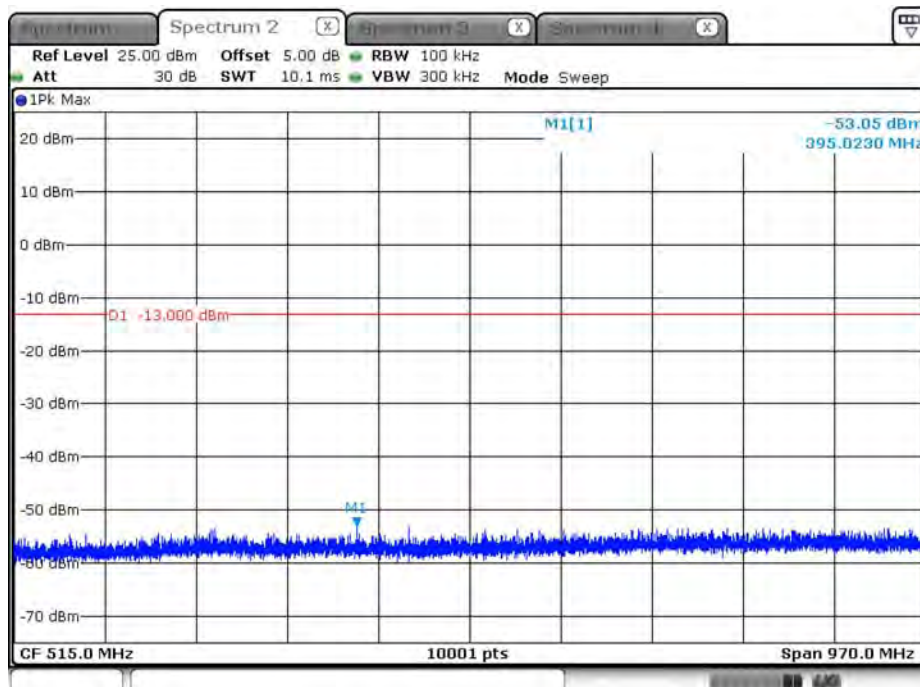
Date: 10 AUG.2018 10:04:24

CH19100_20M_1RB0_16-QAM_Above 1G



Date: 10 AUG.2018 10:05:01

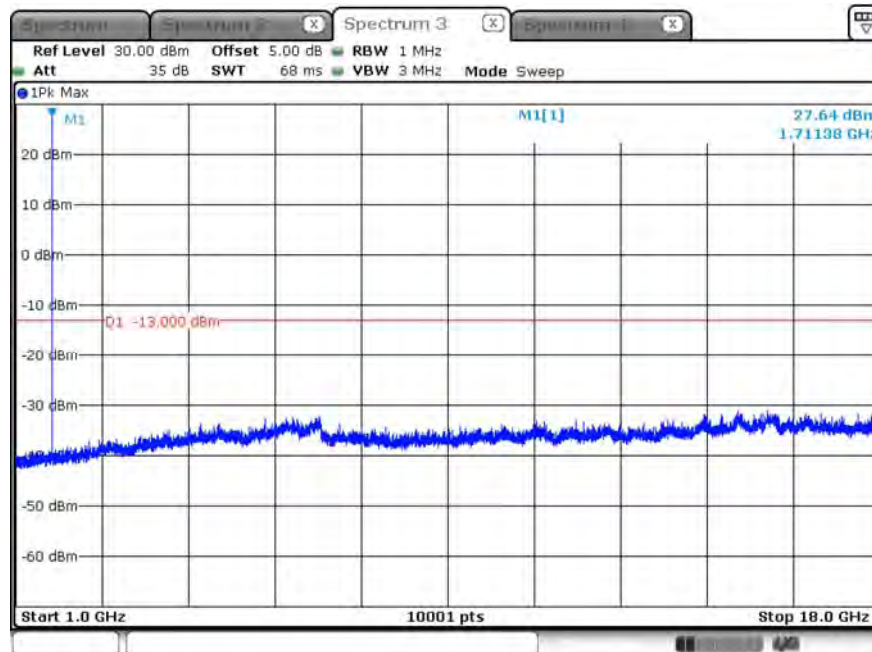
CH19100_20M_1RB0_16-QAM_Below 1G



Date: 10 AUG.2018 10:05:24

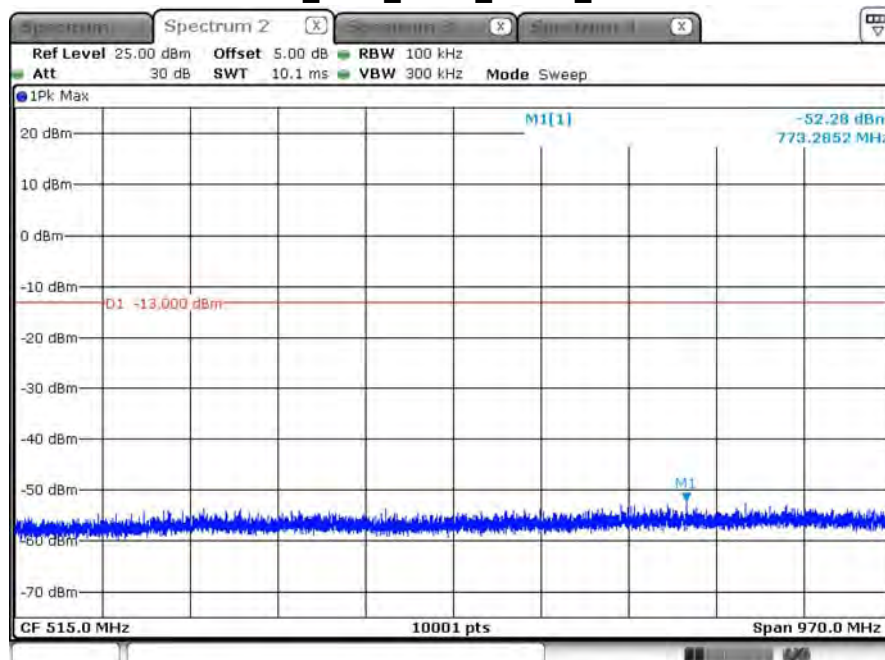
Product	LE910C4-NF		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 2: LTE Band 4		
Date of Test	2018/08/08	Test Site	SR10-H

CH19957_1.4M_1RB2_QPSK_Above 1G



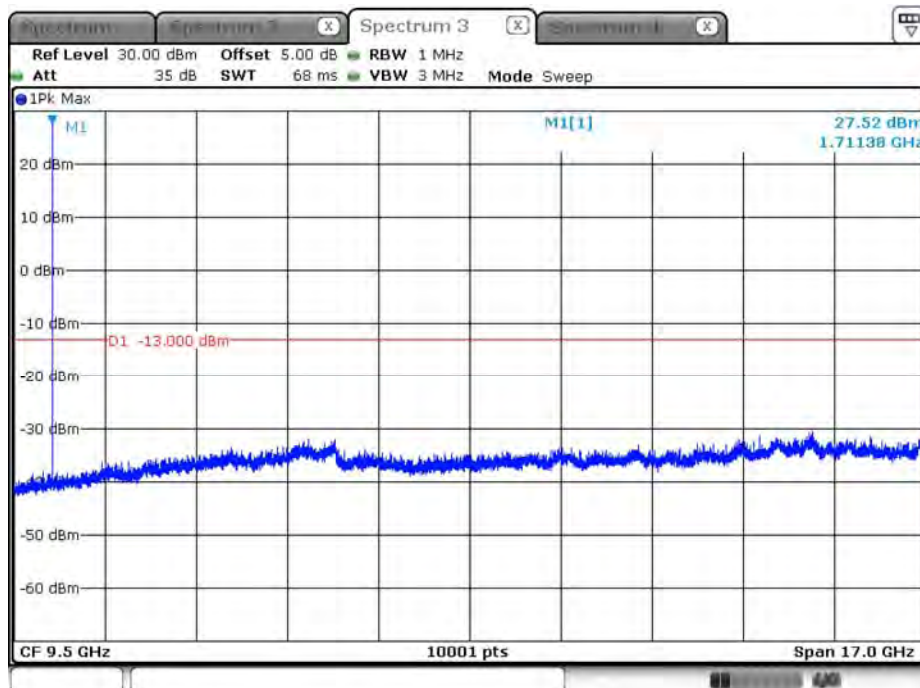
Date: 10 AUG 2018 10:07:29

CH19957_1.4M_1RB2_QPSK_Below 1G



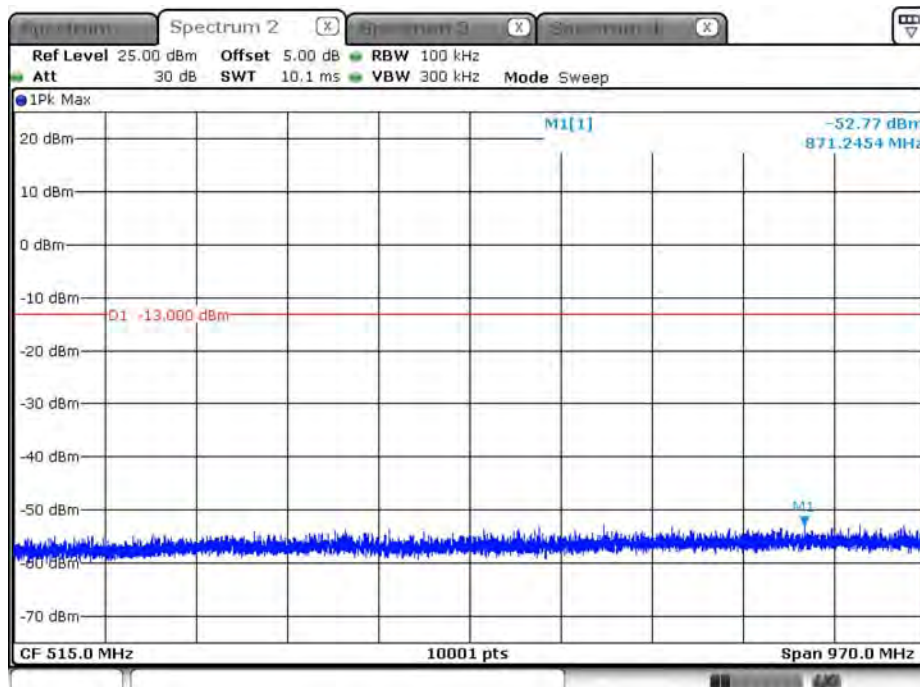
Date: 10 AUG 2018 10:06:48

CH19957_1.4M_3RB2_16-QAM_Above 1G



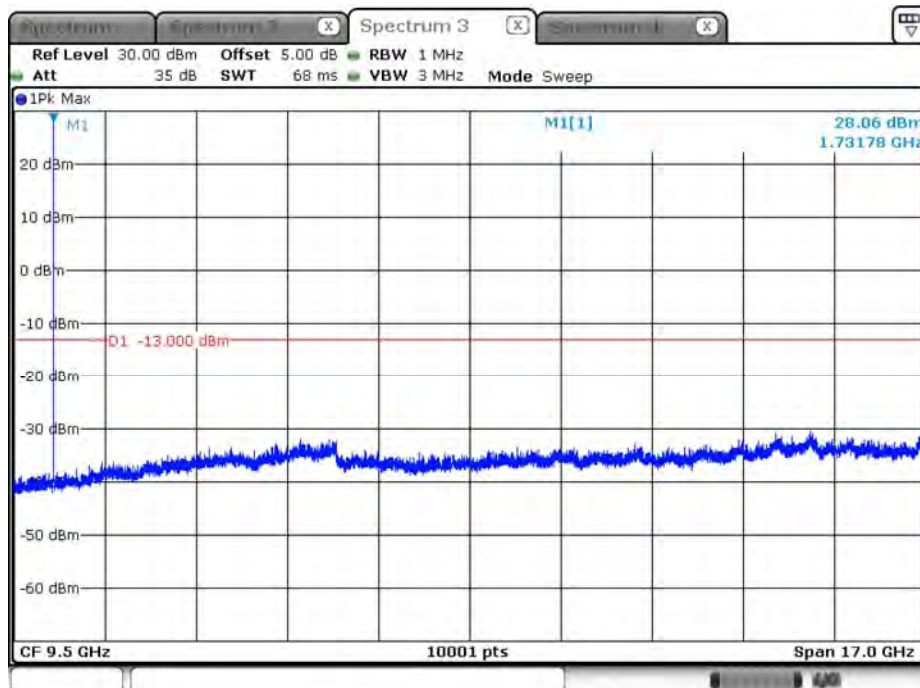
Date: 10 AUG 2018 10:08:13

CH19957_1.4M_3RB2_16-QAM_Below 1G



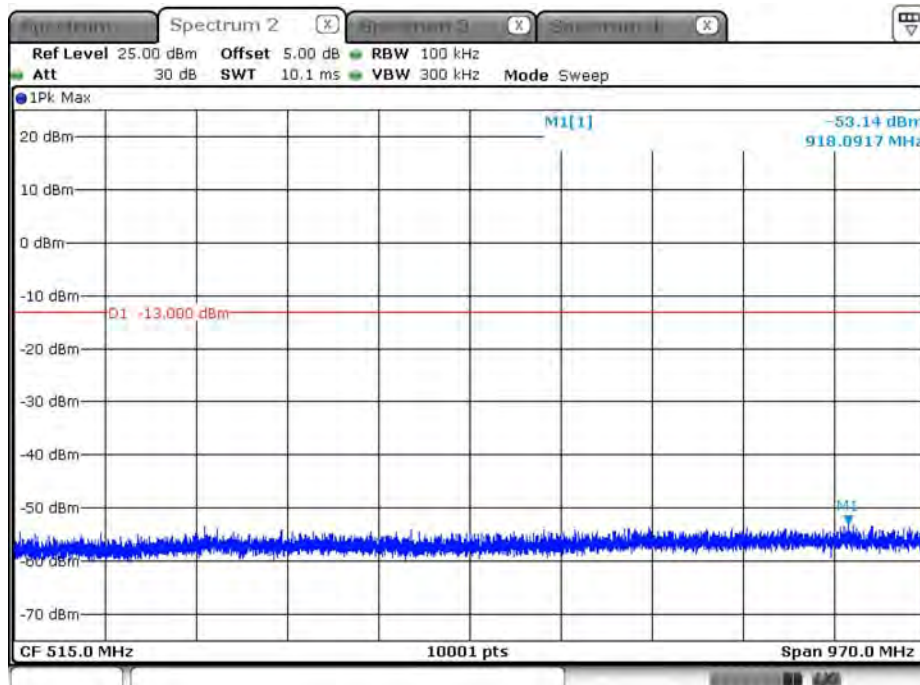
Date: 10 AUG 2018 10:08:31

CH20175_1.4M_1RB2_QPSK_Above 1G



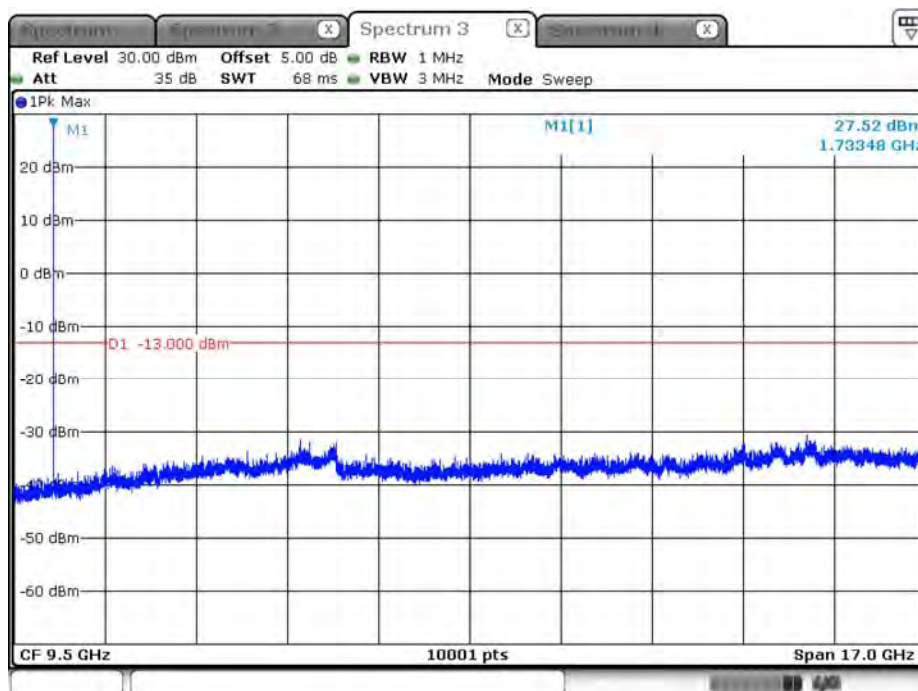
Date: 10 AUG.2018 10:10:04

CH20175_1.4M_1RB2_QPSK_Below 1G



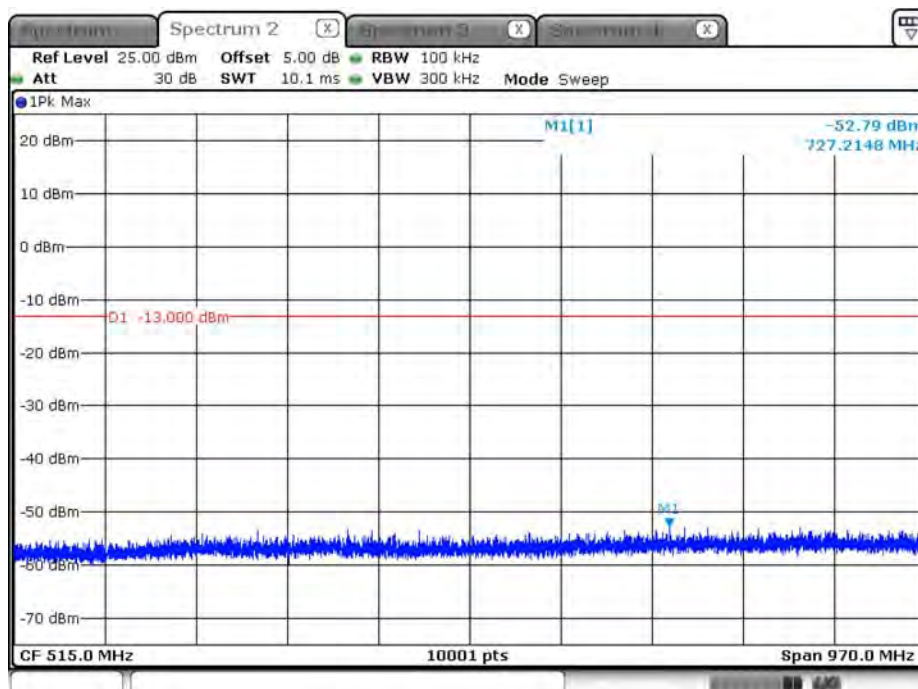
Date: 10 AUG.2018 10:09:22

CH20175_1.4M_3RB2_16-QAM_Above 1G



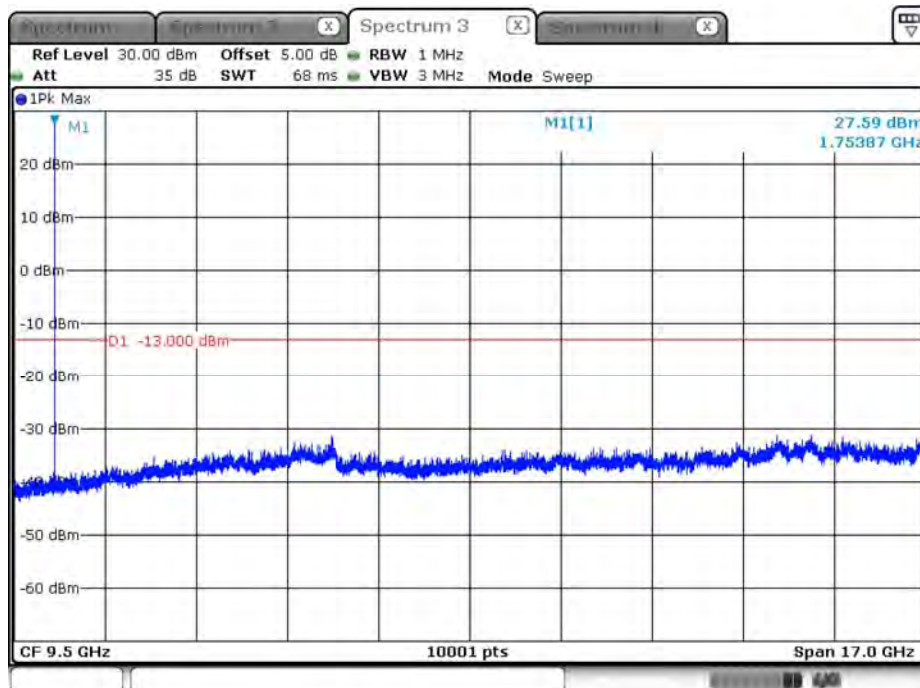
Date: 10 AUG.2018 10:11:32

CH20175_1.4M_3RB2_16-QAM_Below 1G



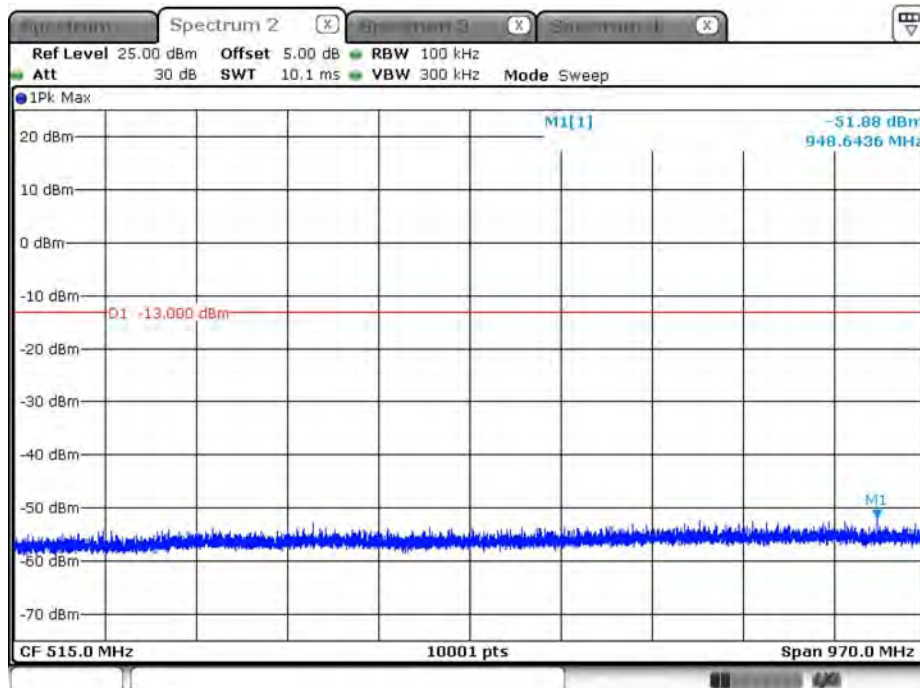
Date: 10 AUG.2018 10:11:43

CH20393_1.4M_1RB2_QPSK_Above 1G



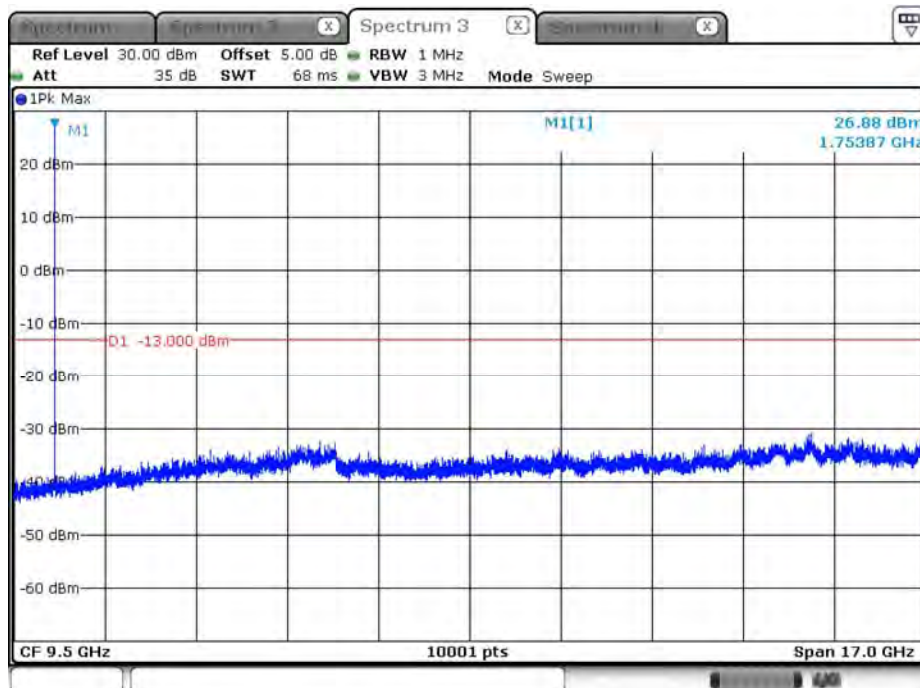
Date: 10 AUG.2018 10:13:14

CH20393_1.4M_1RB2_QPSK_Below 1G



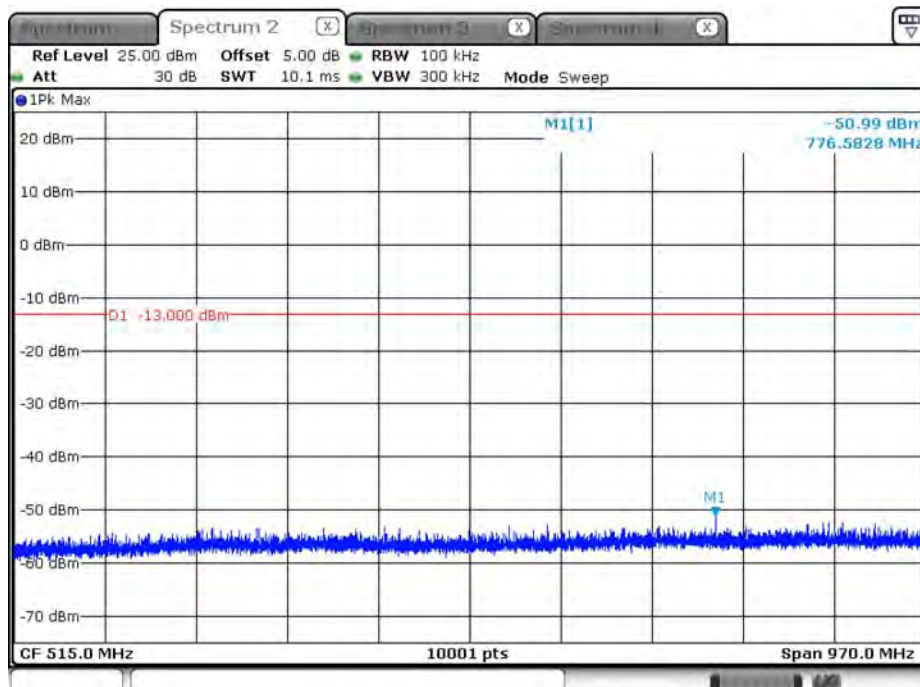
Date: 10 AUG.2018 10:12:58

CH20393_1.4M_3RB1_16-QAM_Above 1G



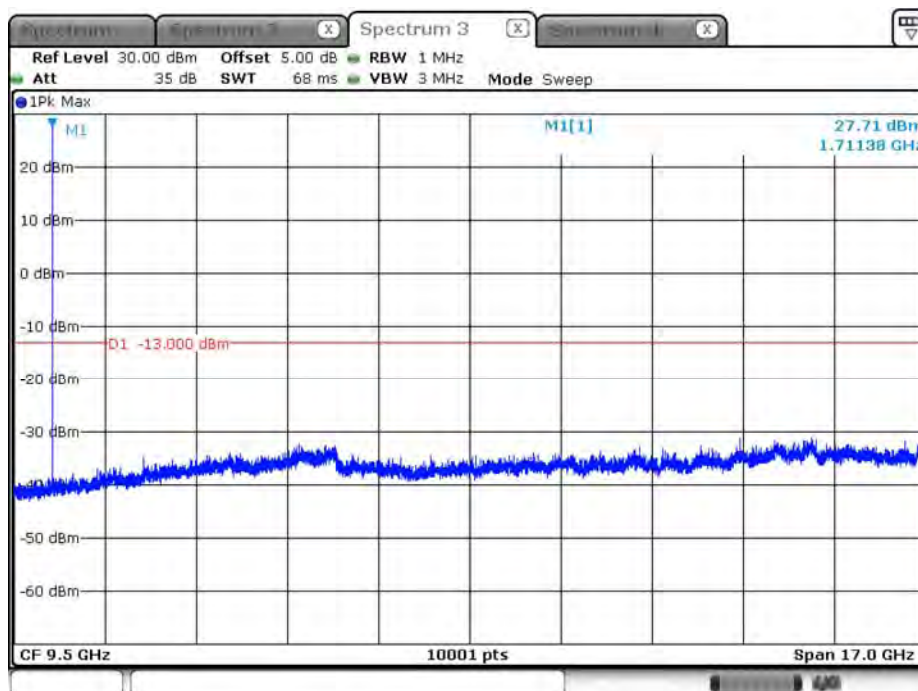
Date: 10 AUG.2018 10:13:38

CH20393_1.4M_3RB1_16-QAM_Below 1G



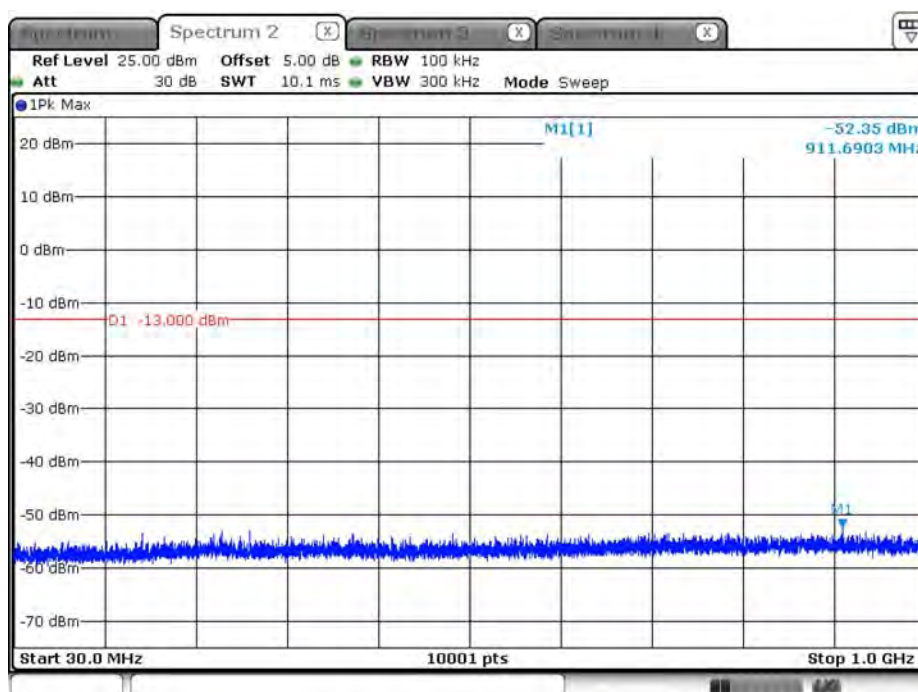
Date: 10 AUG.2018 10:14:03

CH19965_3M_1RB7_QPSK_Above 1G



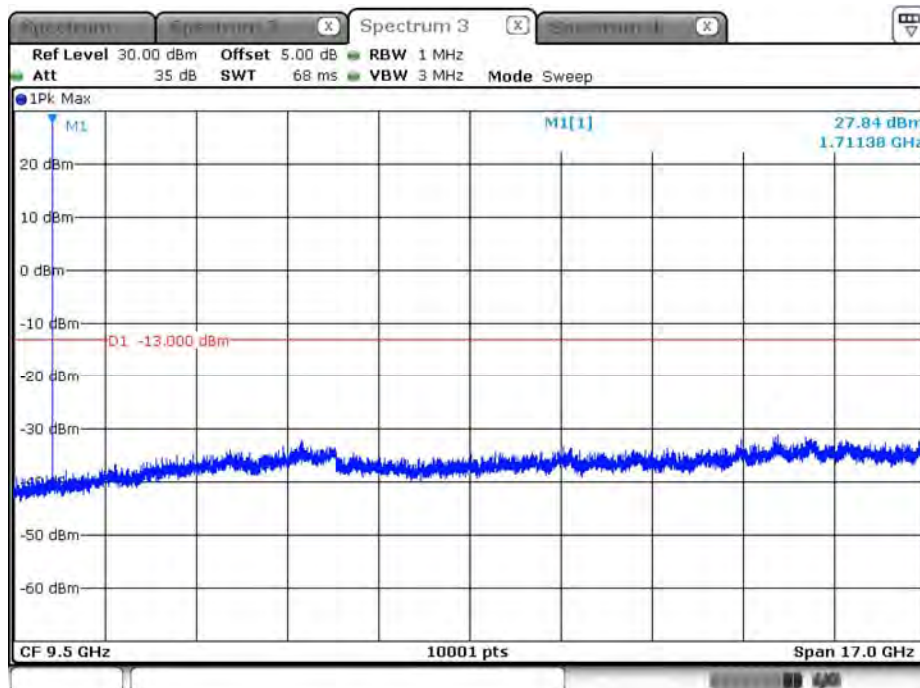
Date: 10 AUG.2018 10:15:27

CH19965_3M_1RB7_QPSK_Below 1G



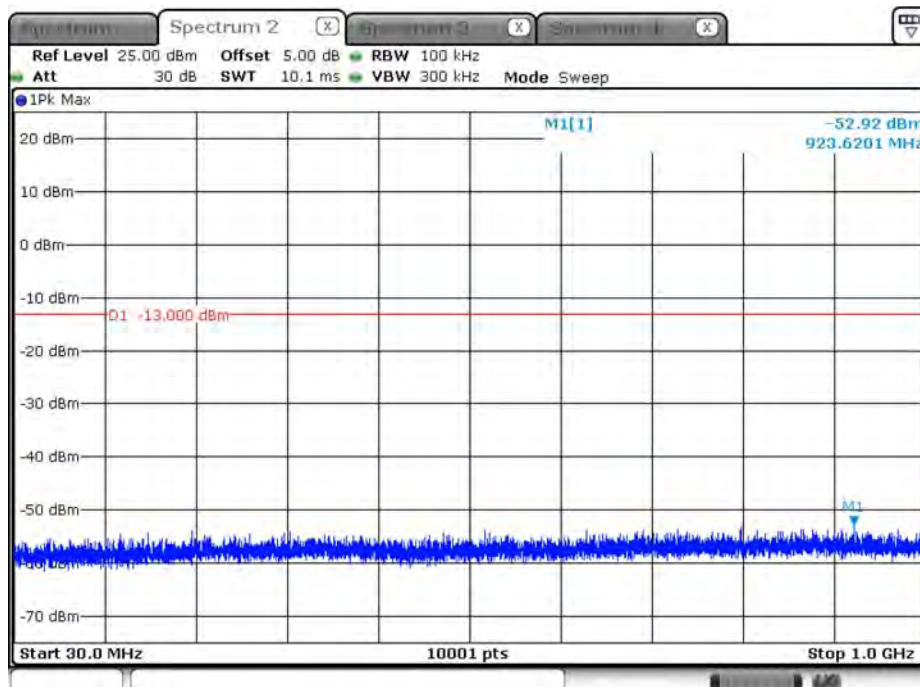
Date: 10 AUG.2018 10:15:08

CH19965_3M_1RB7_16-QAM_Above 1G



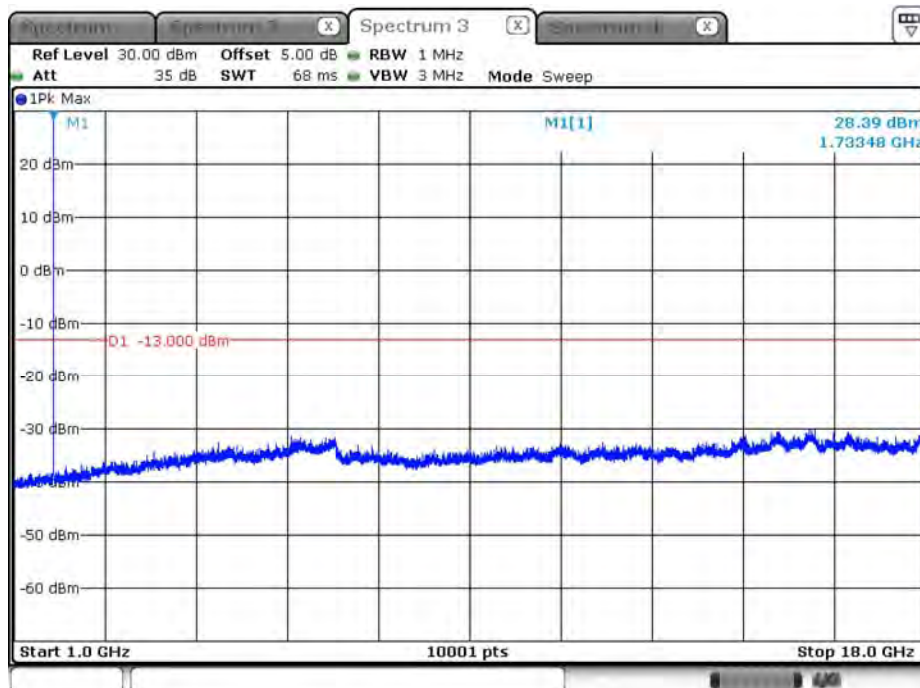
Date: 10 AUG.2018 10:15:49

CH19965_3M_1RB7_16-QAM_Below 1G



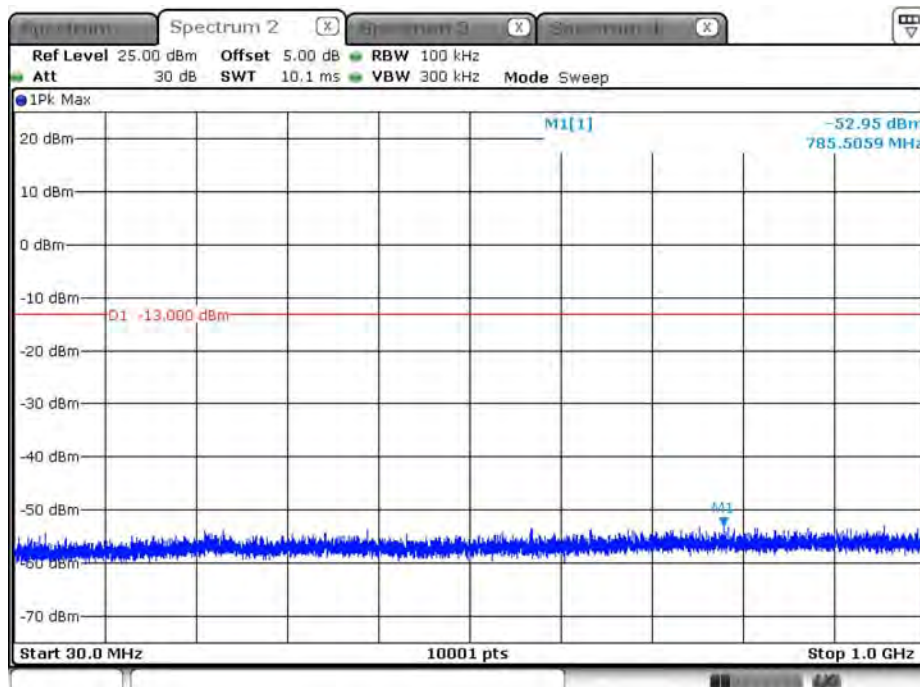
Date: 10 AUG.2018 10:16:08

CH20175_3M_1RB7_QPSK_Above 1G



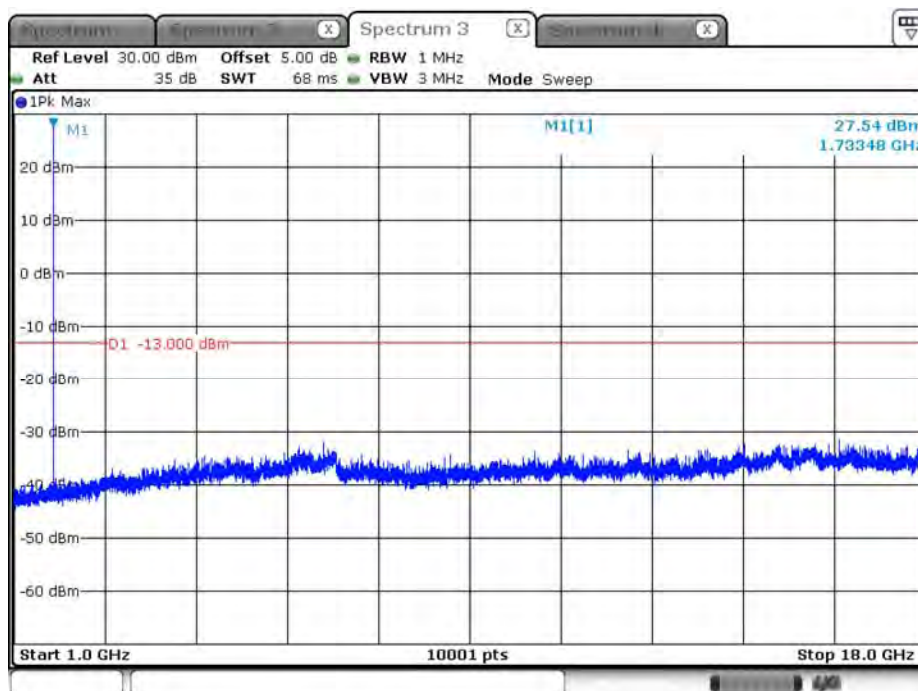
Date: 10 AUG.2018 11:49:39

CH20175_3M_1RB7_QPSK_Below 1G



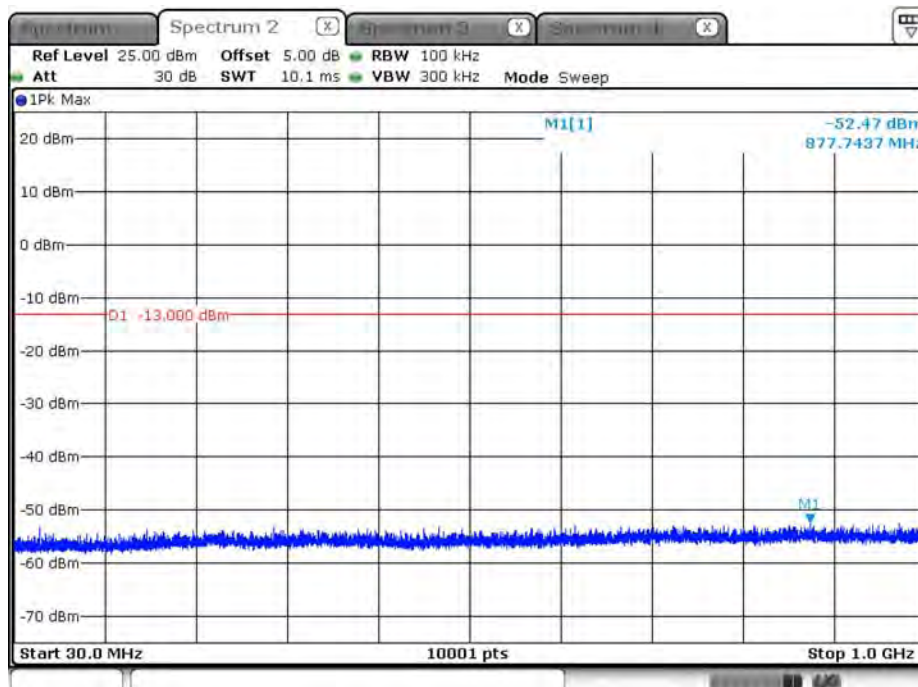
Date: 10 AUG.2018 10:24:07

CH20175_3M_1RB7_16-QAM_Above 1G



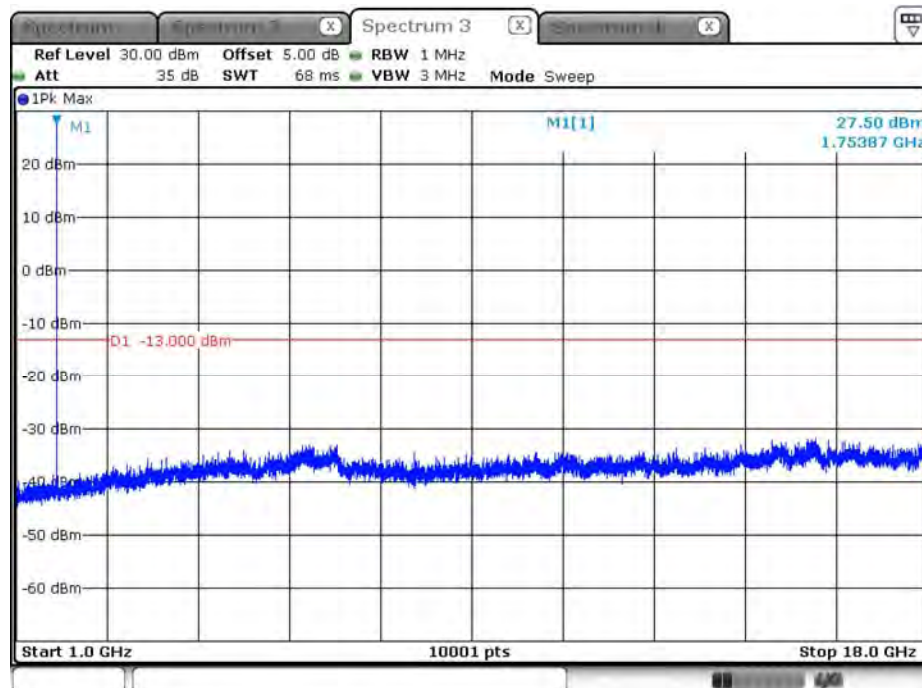
Date: 10 AUG.2018 11:50:22

CH20175_3M_1RB7_16-QAM_Below 1G



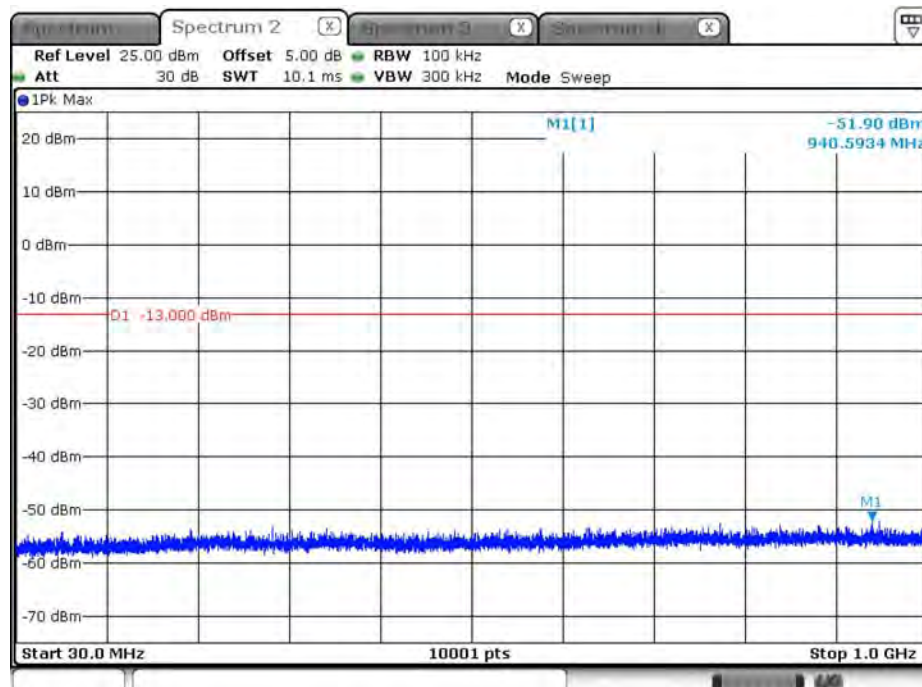
Date: 10 AUG.2018 10:24:52

CH20385_3M_1RB7_QPSK_Above 1G



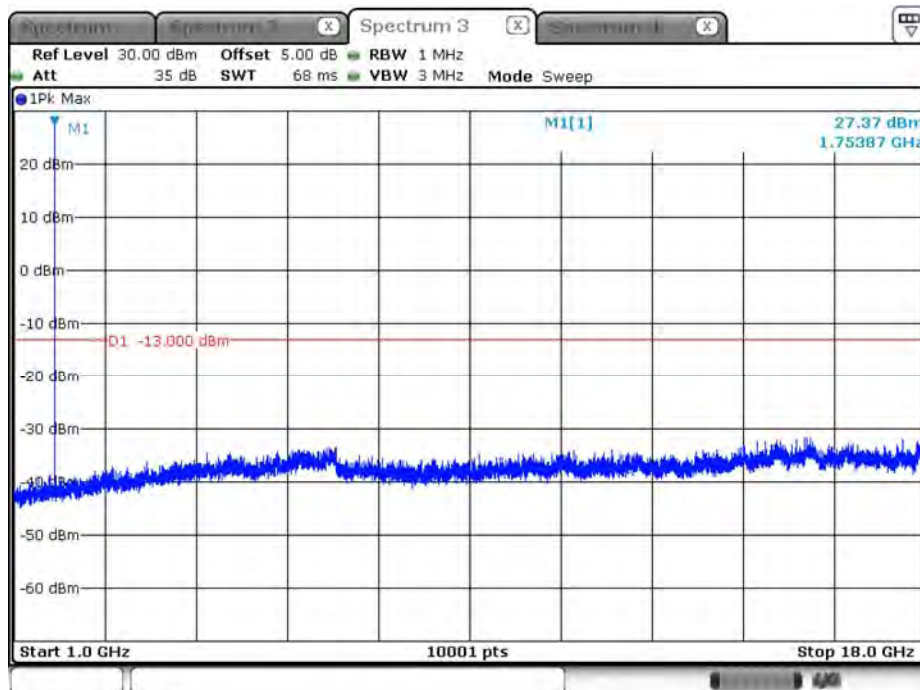
Date: 10 AUG.2018 11:51:05

CH20385_3M_1RB7_QPSK_Below 1G



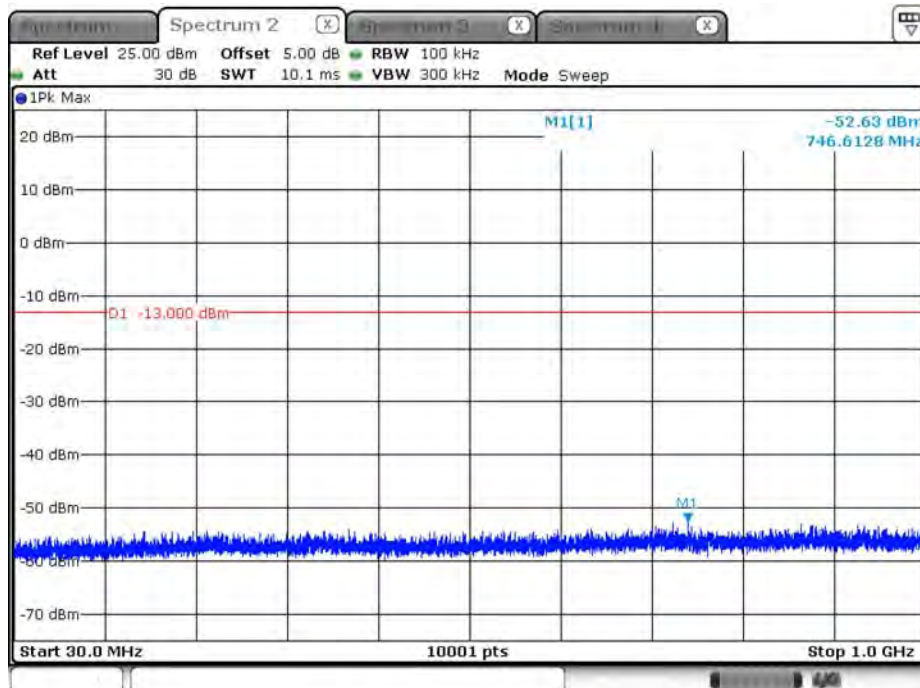
Date: 10 AUG.2018 10:25:38

CH20385_3M_1RB7_16-QAM_Above 1G



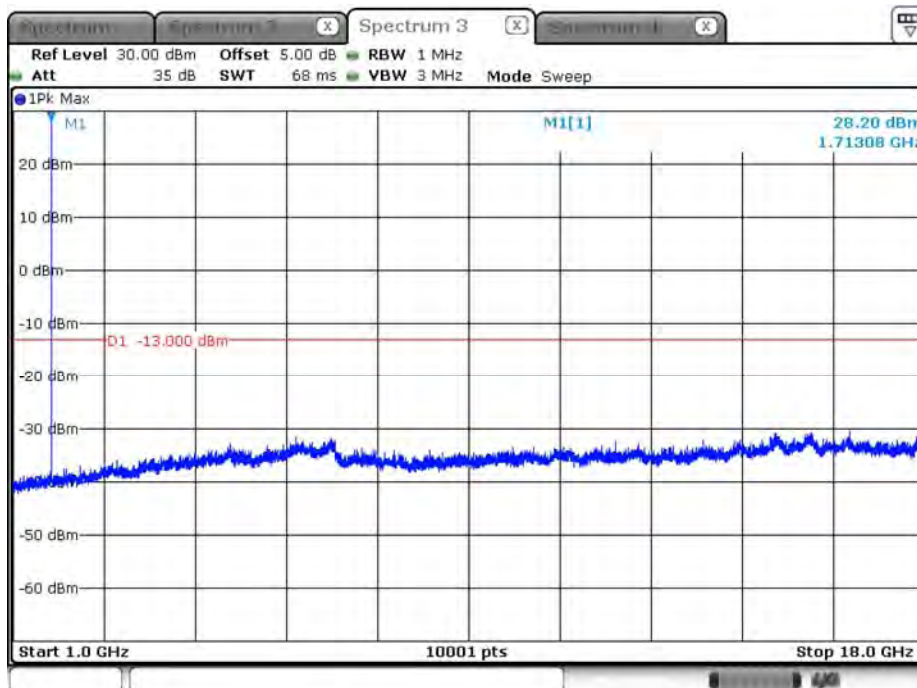
Date: 10 AUG.2018 11:51:28

CH20385_3M_1RB7_16-QAM_Below 1G



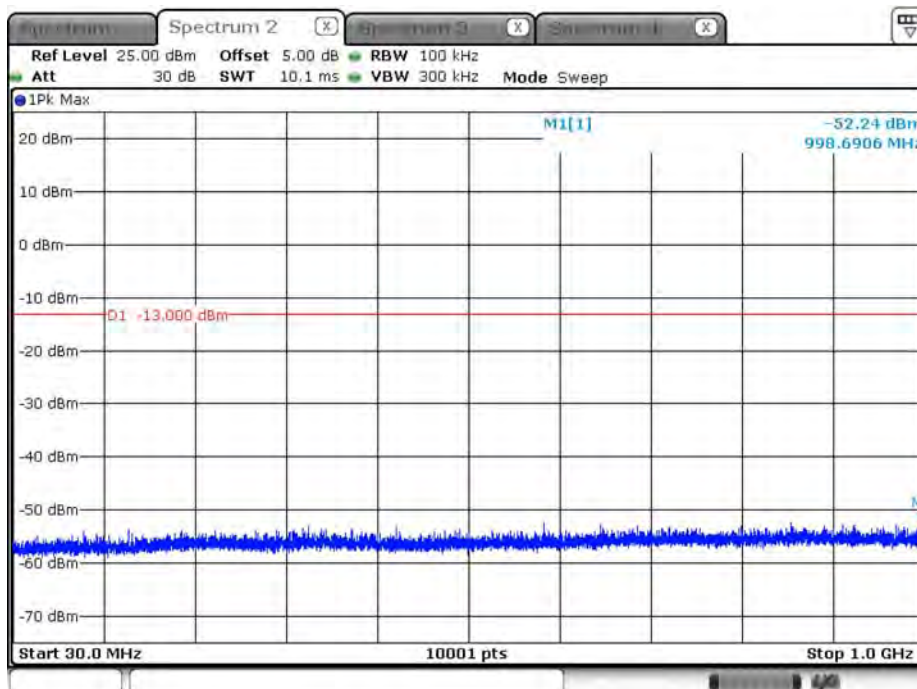
Date: 10 AUG.2018 10:26:38

CH19975_5M_1RB12_QPSK_Above 1G



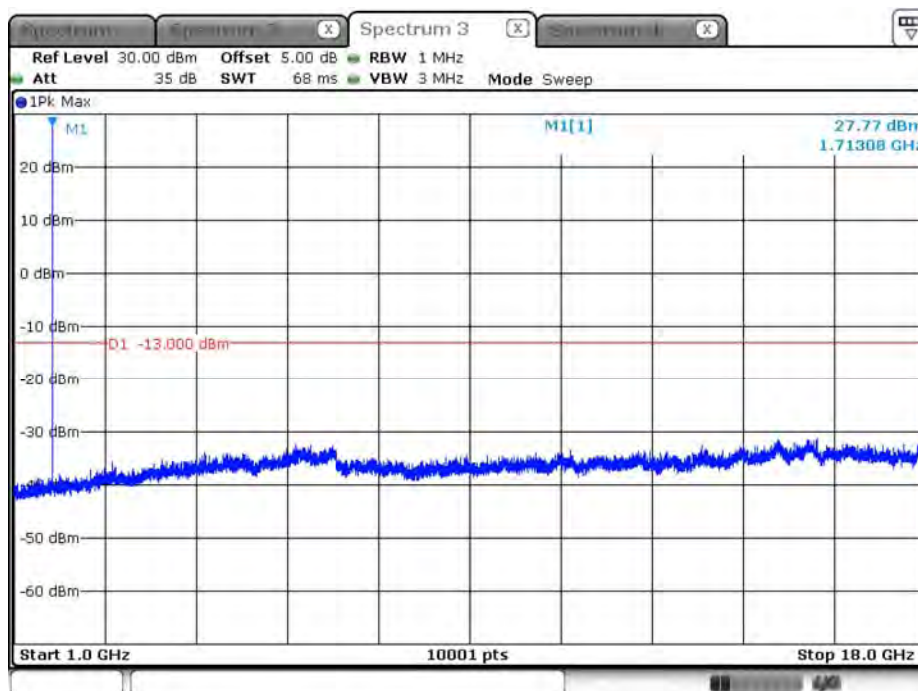
Date: 10 AUG.2018 11:54:03

CH19975_5M_1RB12_QPSK_Below 1G



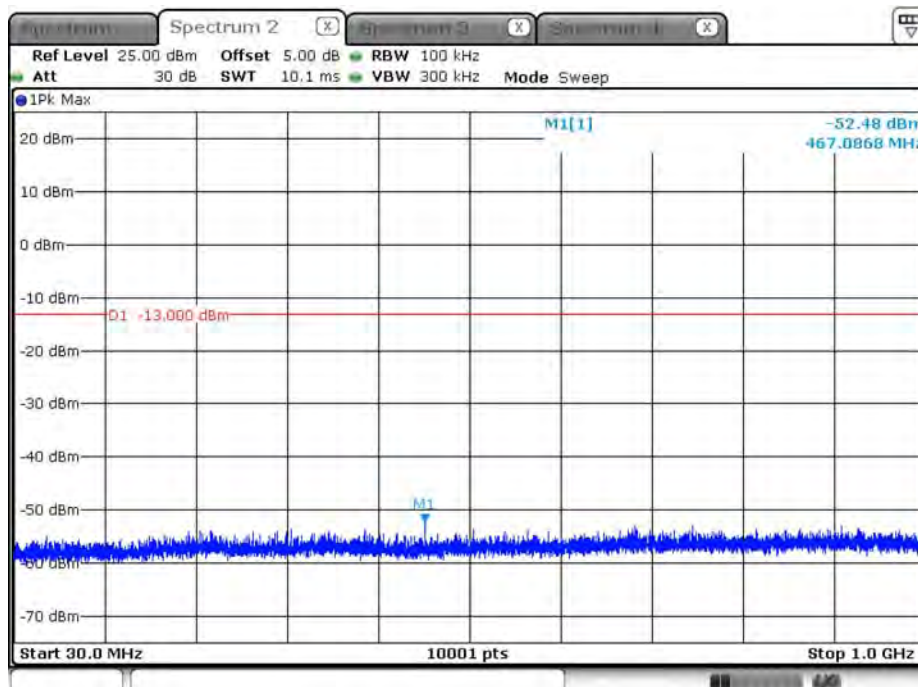
Date: 10 AUG.2018 10:27:39

CH19975_5M_1RB12_16-QAM_Above 1G



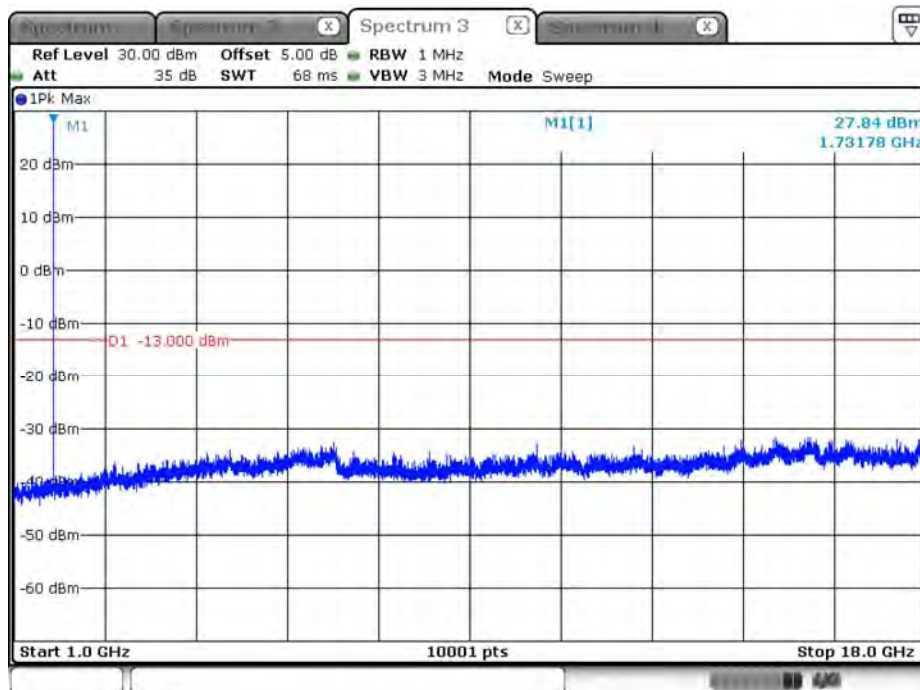
Date: 10 AUG.2018 11:56:17

CH19975_5M_1RB12_16-QAM_Below 1G



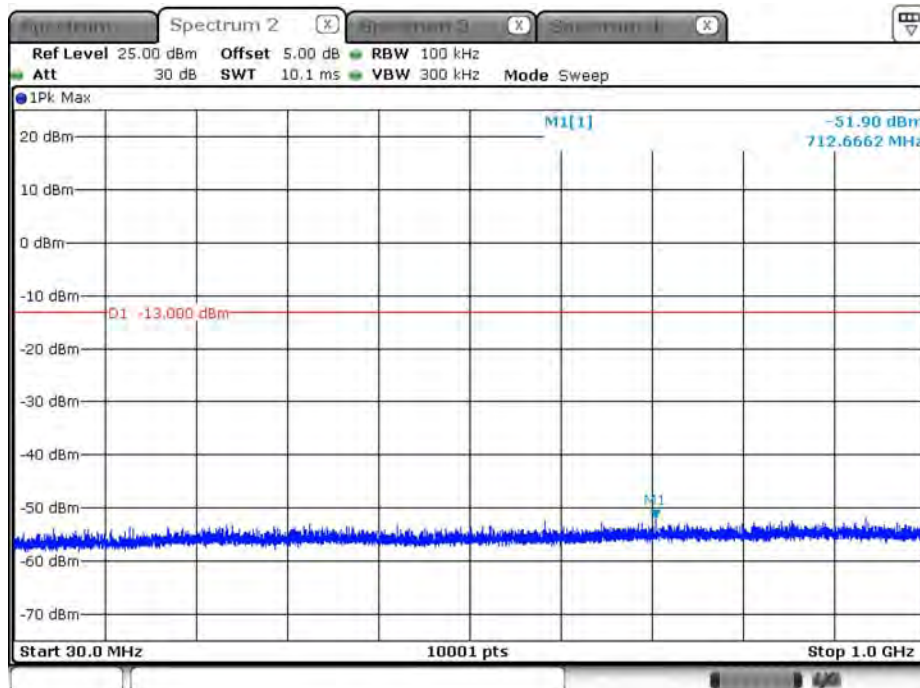
Date: 10 AUG.2018 10:30:20

CH20175_5M_1RB12_QPSK_Above 1G



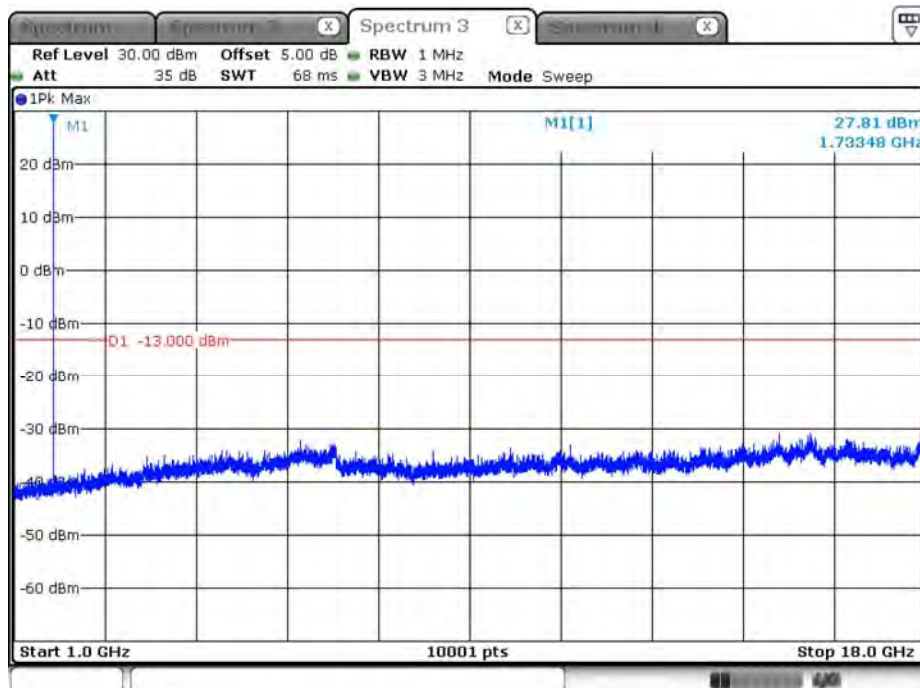
Date: 10 AUG.2018 11:57:02

CH20175_5M_1RB12_QPSK_Below 1G



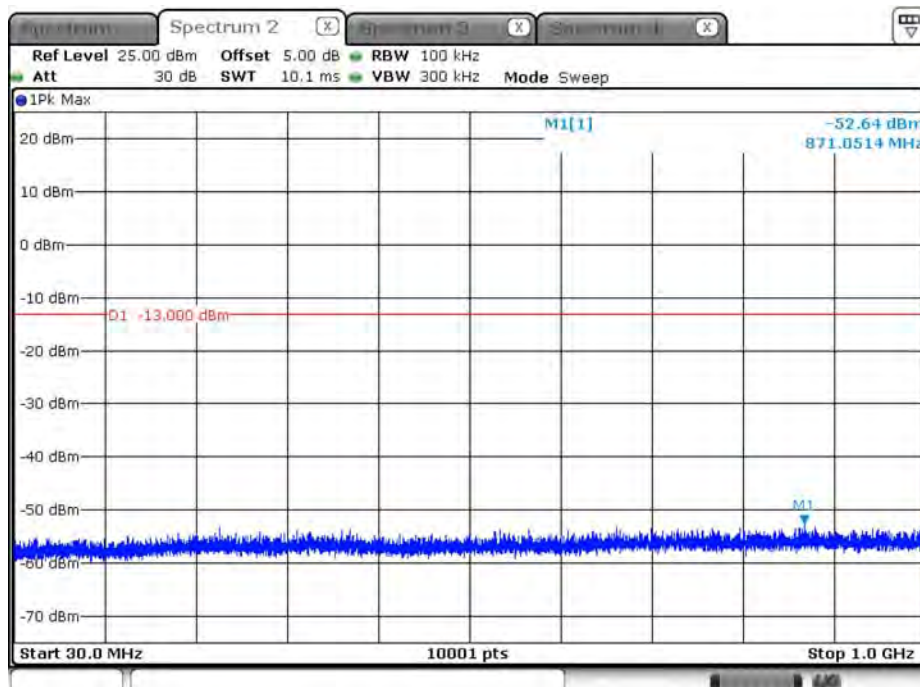
Date: 10 AUG.2018 10:28:16

CH20175_5M_1RB12_16-QAM_Above 1G



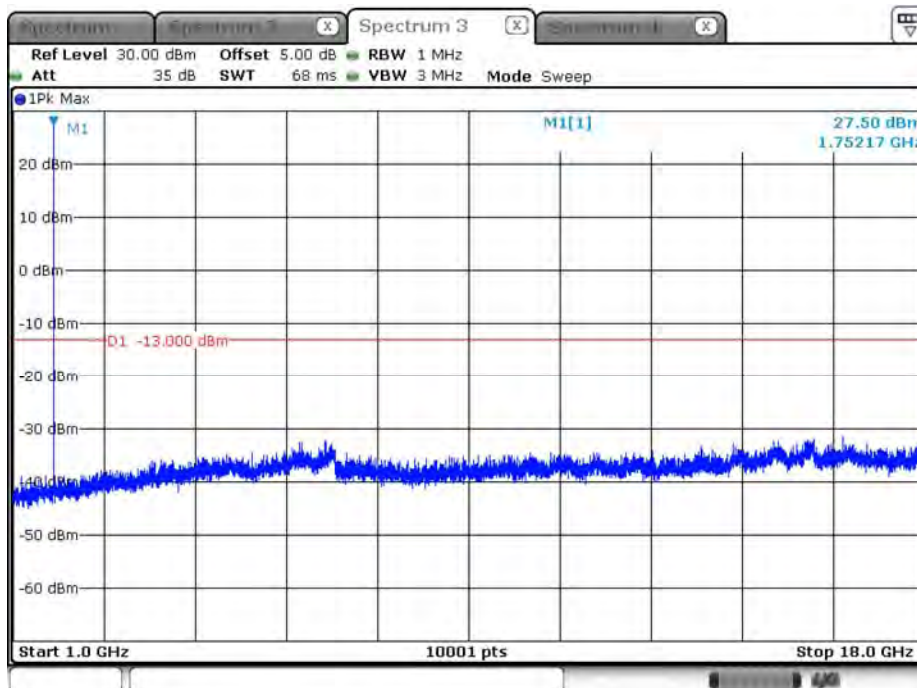
Date: 10 AUG.2018 11:57:48

CH20175_5M_1RB12_16-QAM_Below 1G



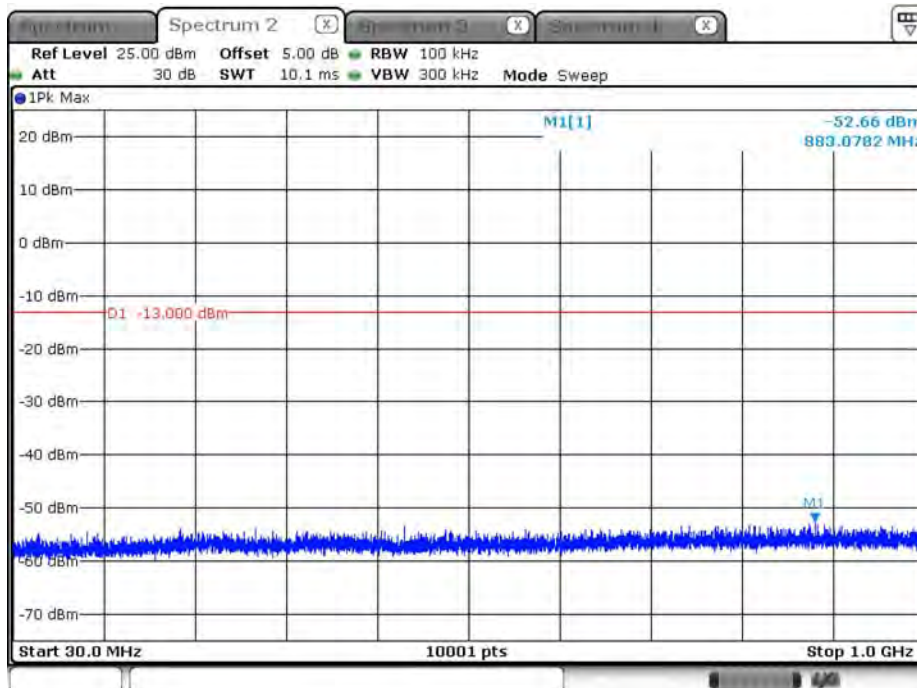
Date: 10 AUG.2018 10:30:54

CH20375_5M_1RB12_QPSK_Above 1G



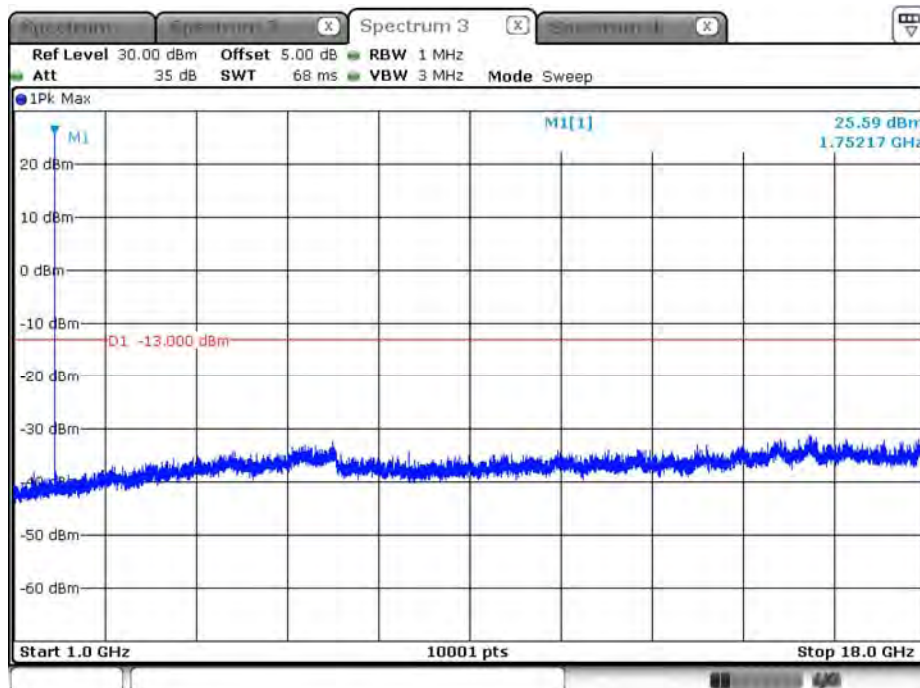
Date: 10 AUG.2018 11:58:31

CH20375_5M_1RB12_QPSK_Below 1G



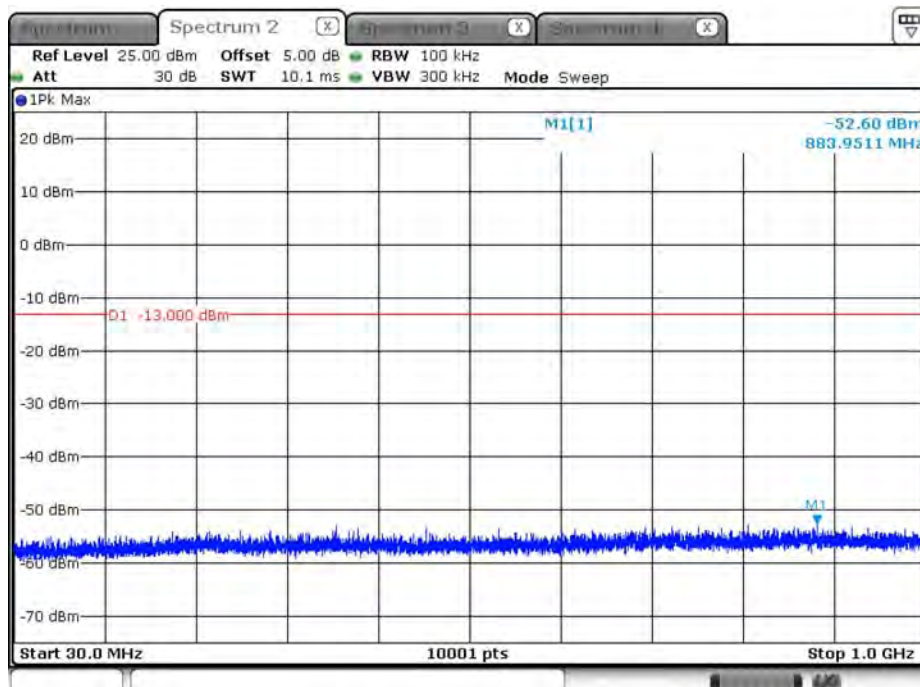
Date: 10 AUG.2018 10:29:23

CH20375_5M_1RB12_16-QAM_Above 1G



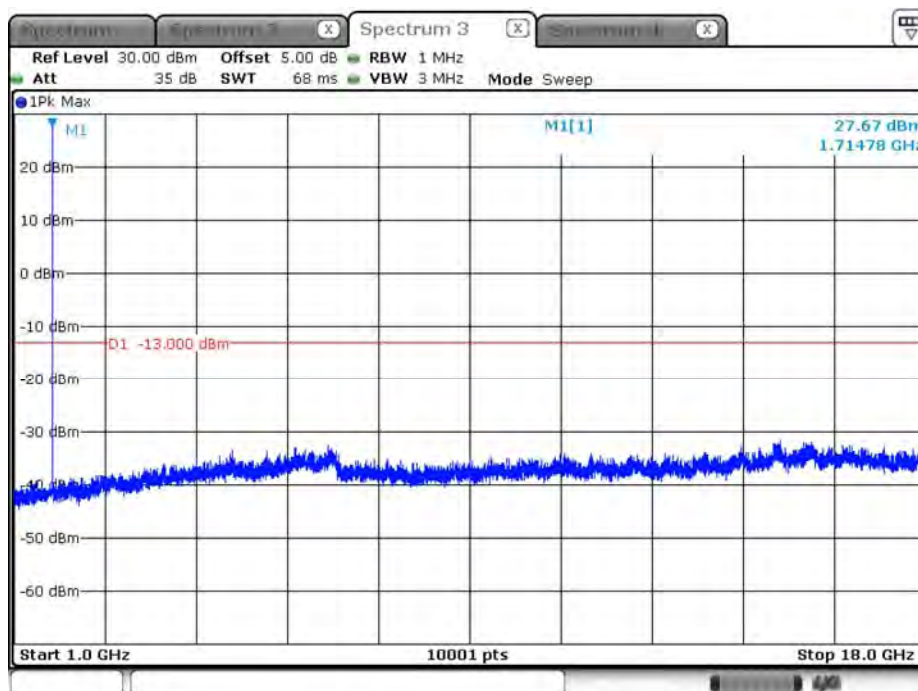
Date: 10 AUG.2018 11:58:49

CH20375_5M_1RB12_16-QAM_Below 1G



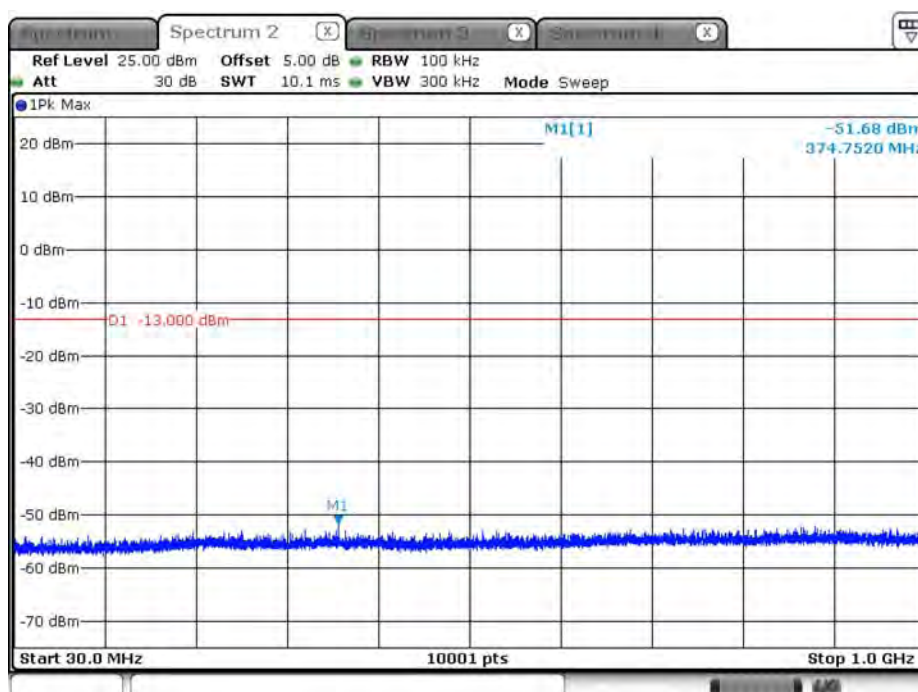
Date: 10 AUG.2018 10:31:23

CH20000_10M_1RB24_QPSK_Above 1G



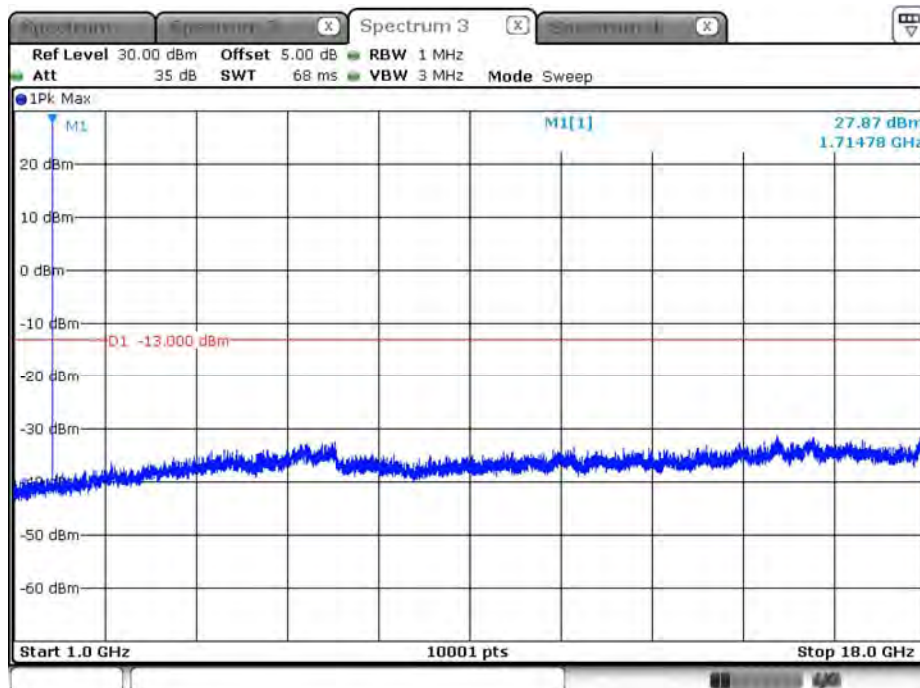
Date: 10 AUG.2018 11:59:38

CH20000_10M_1RB24_QPSK_Below 1G



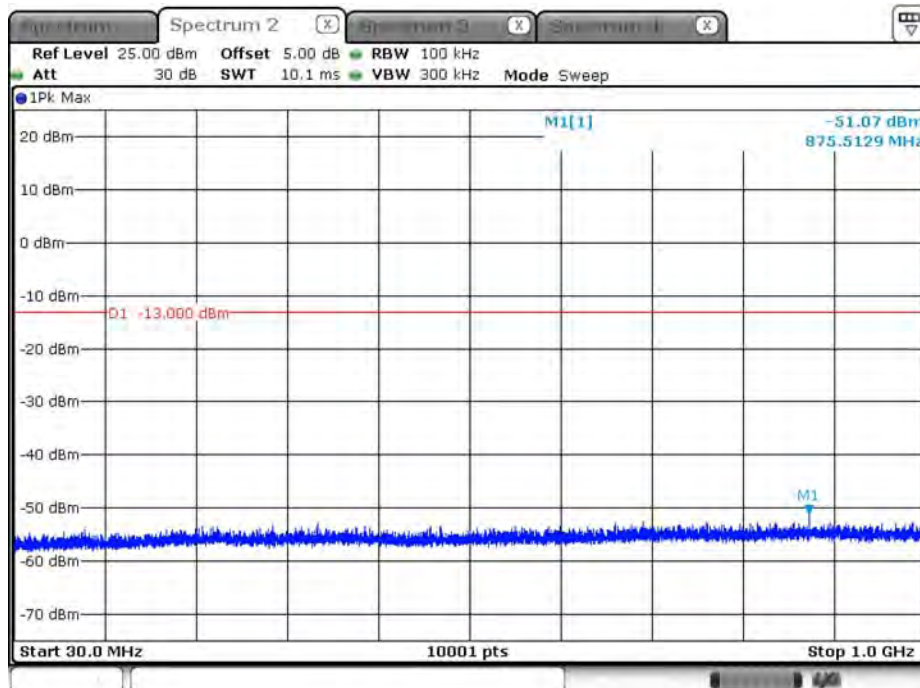
Date: 10 AUG.2018 10:33:23

CH20000_10M_1RB49_16-QAM_Above 1G



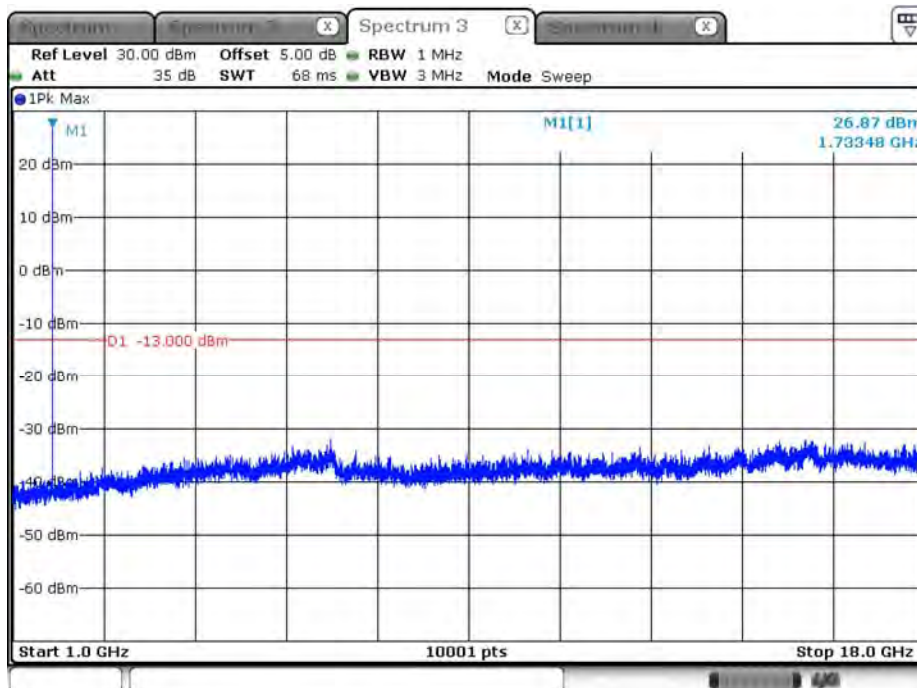
Date: 10 AUG.2018 12:00:06

CH20000_10M_1RB49_16-QAM_Below 1G



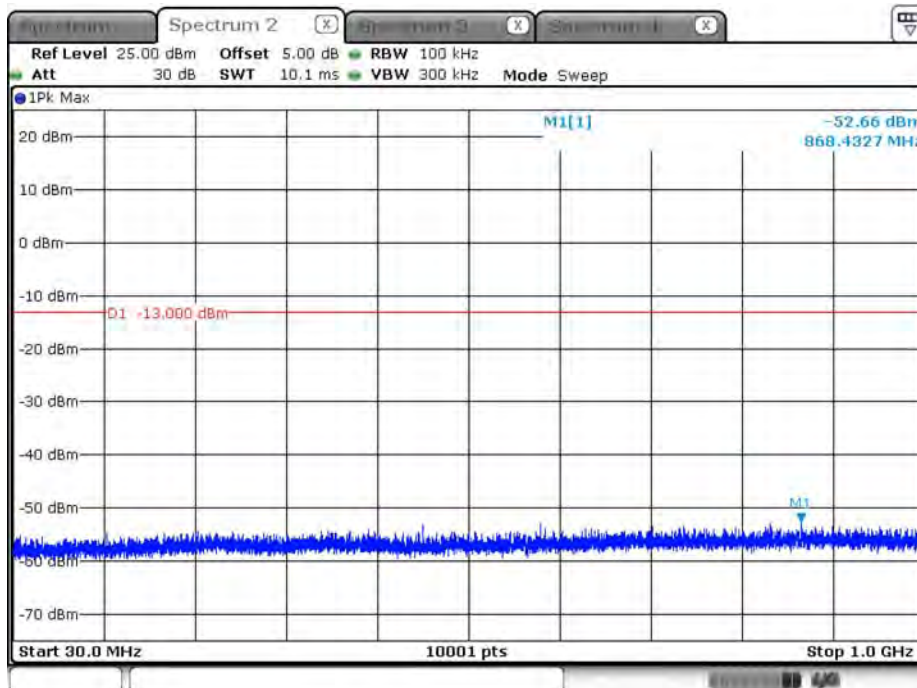
Date: 10 AUG.2018 10:35:53

CH20175_10M_1RB24_QPSK_Above 1G



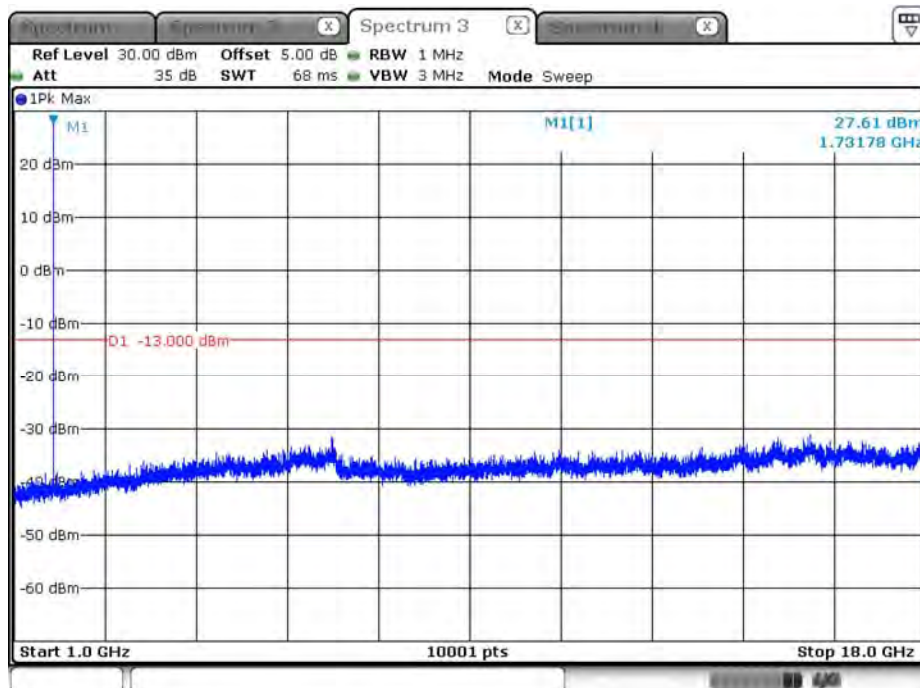
Date: 10 AUG.2018 12:02:11

CH20175_10M_1RB24_QPSK_Below 1G



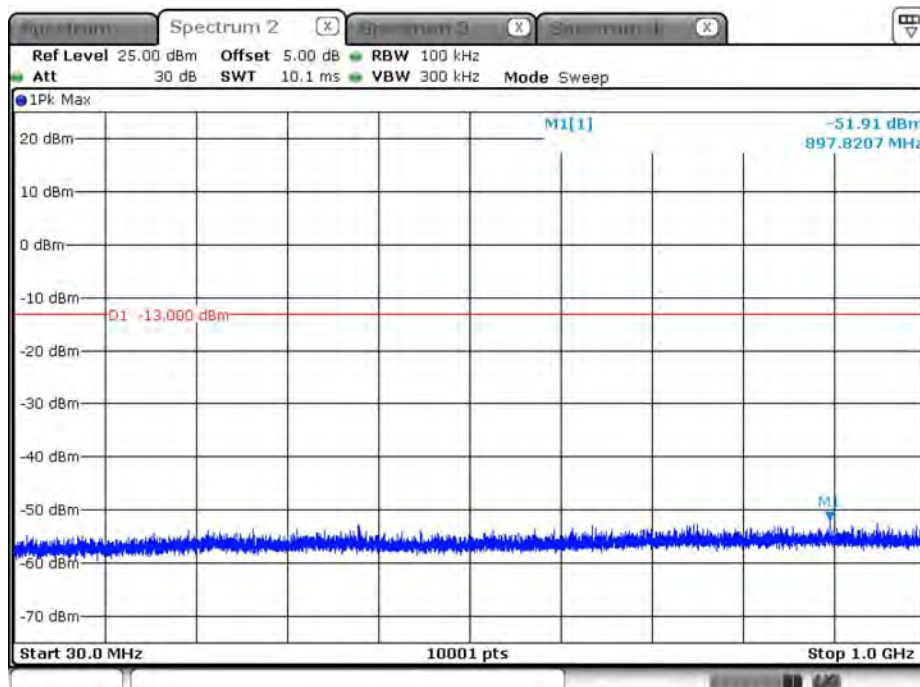
Date: 10 AUG.2018 10:34:33

CH20175_10M_1RB24_16-QAM_Above 1G



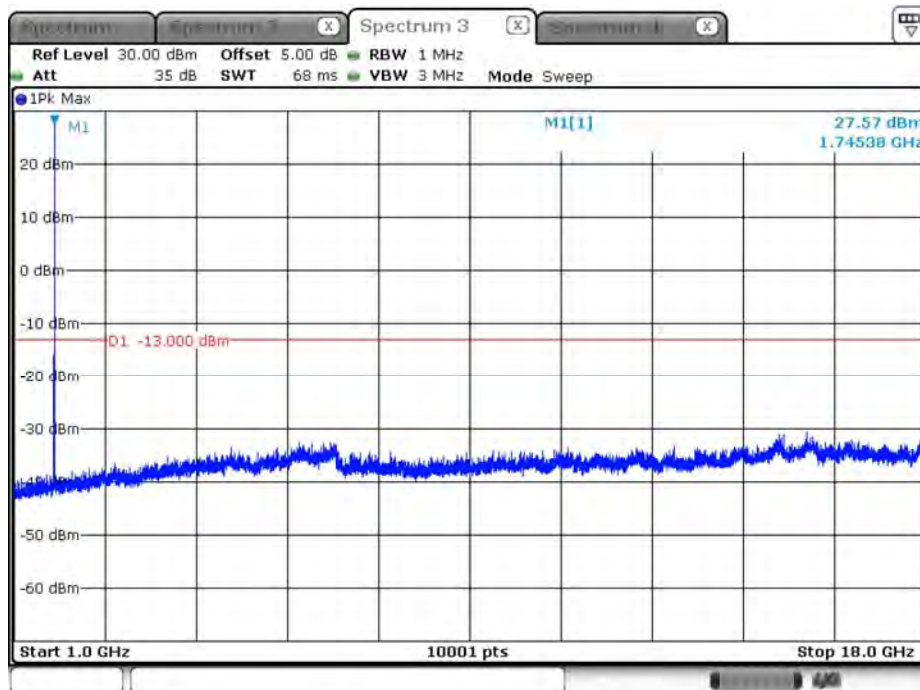
Date: 10 AUG.2018 12:02:26

CH20175_10M_1RB24_16-QAM_Below 1G



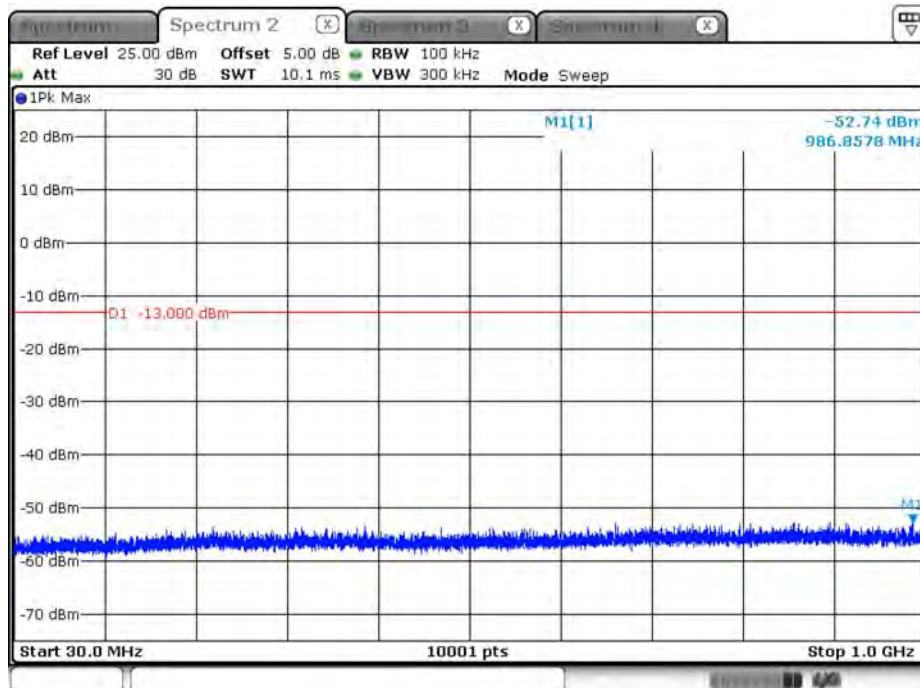
Date: 10 AUG.2018 10:36:55

CH20350_10M_1RB0_QPSK_Above 1G



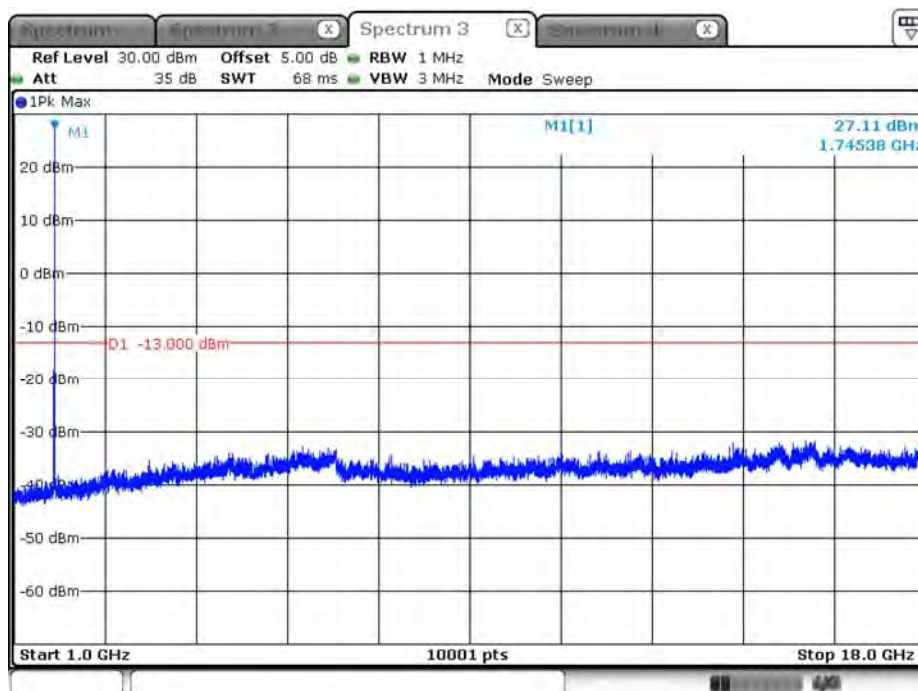
Date: 10 AUG.2018 12:03:16

CH20350_10M_1RB0_QPSK_Below 1G



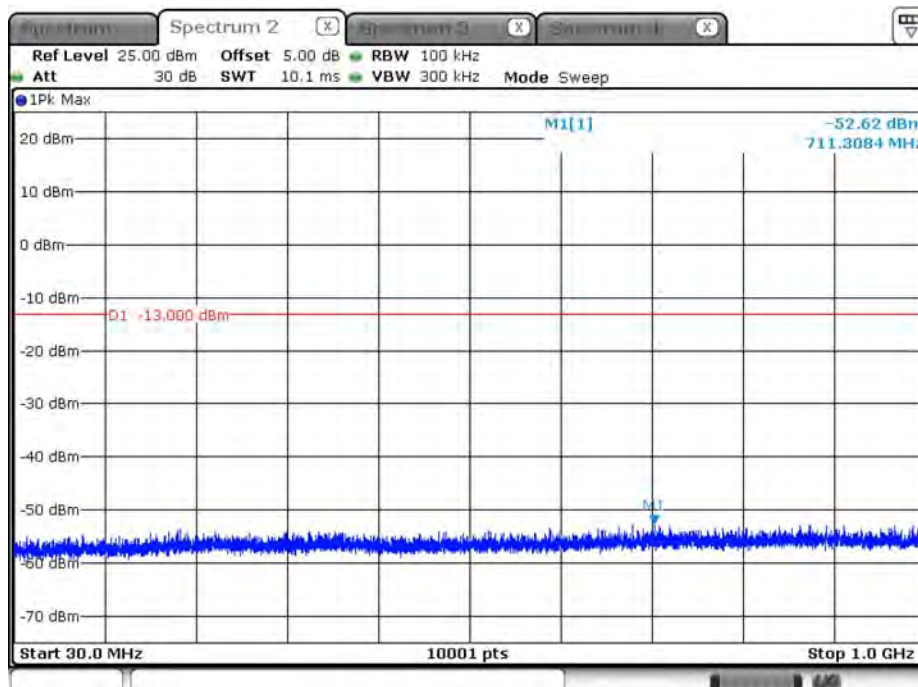
Date: 10 AUG.2018 10:35:16

CH20350_10M_1RB0_16-QAM_Above 1G



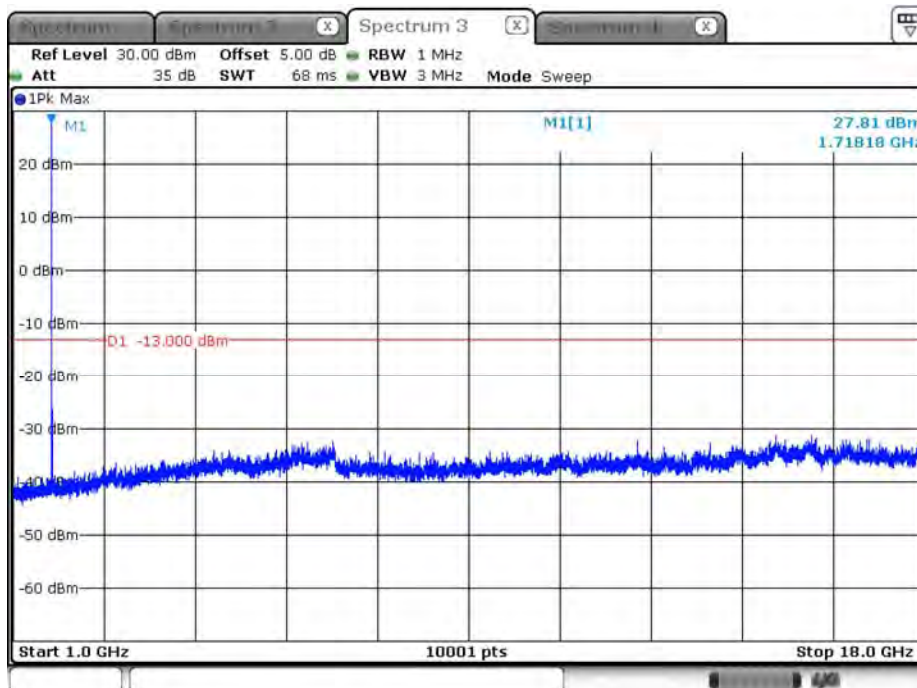
Date: 10 AUG 2018 12:03:38

CH20350_10M_1RB0_16-QAM_Below 1G



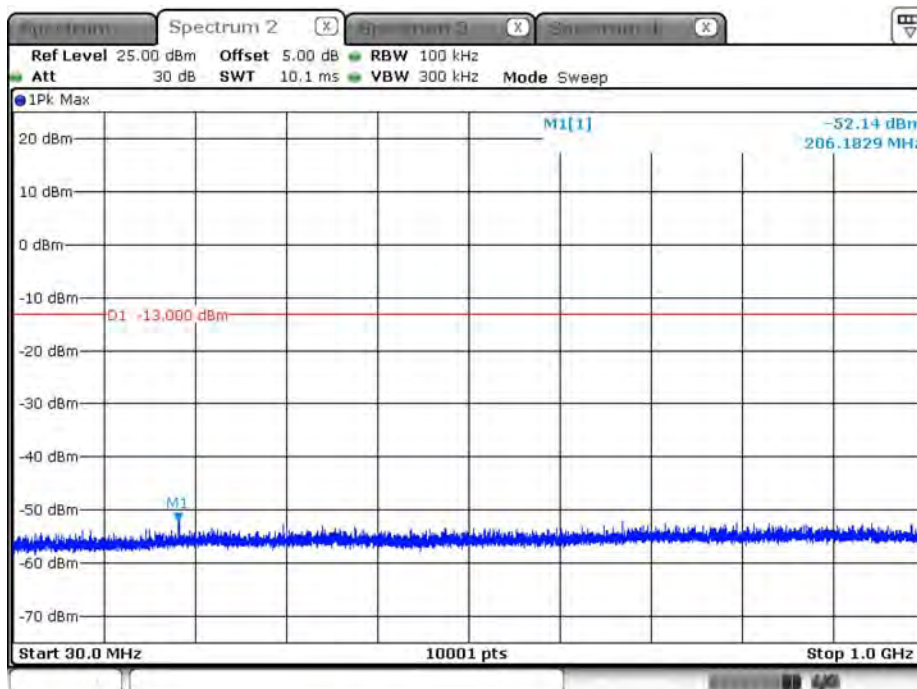
Date: 10 AUG 2018 10:37:51

CH20025_15M_1RB37_QPSK_Above 1G



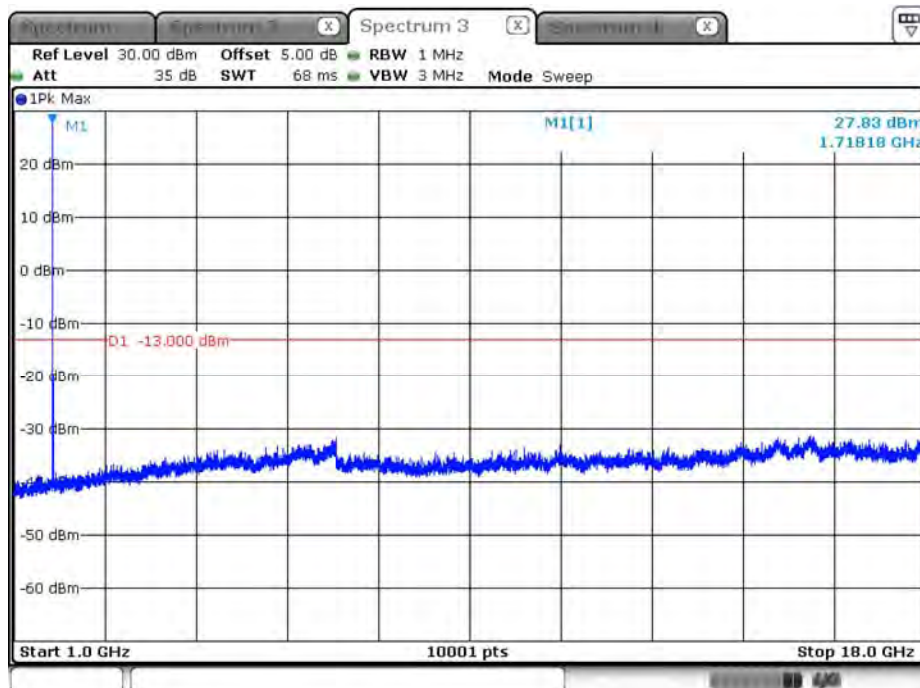
Date: 10 AUG.2018 13:43:46

CH20025_15M_1RB37_QPSK_Below 1G



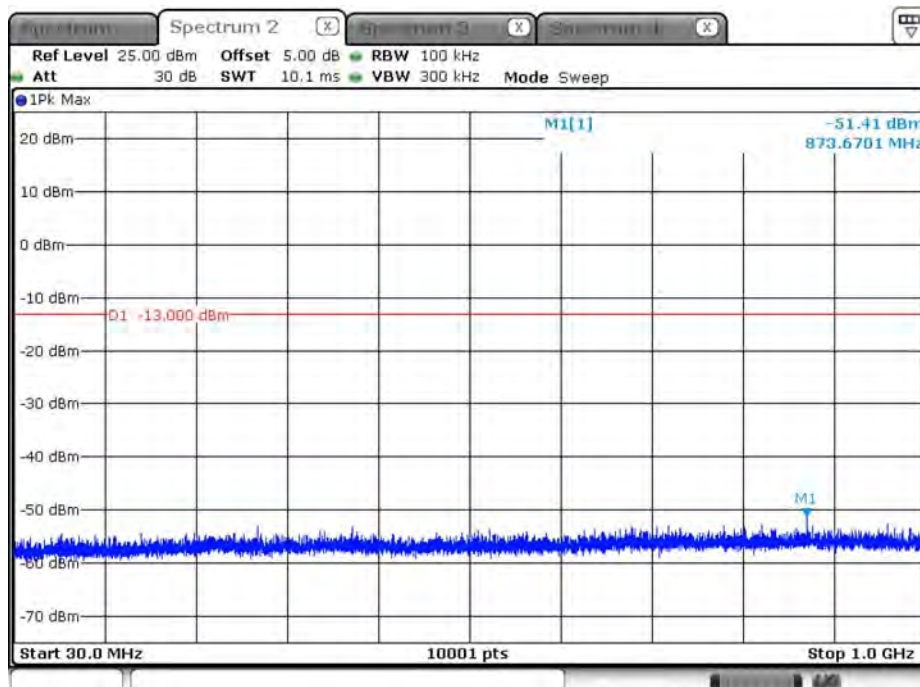
Date: 10 AUG.2018 10:40:29

CH20025_15M_1RB37_16-QAM_Above1G



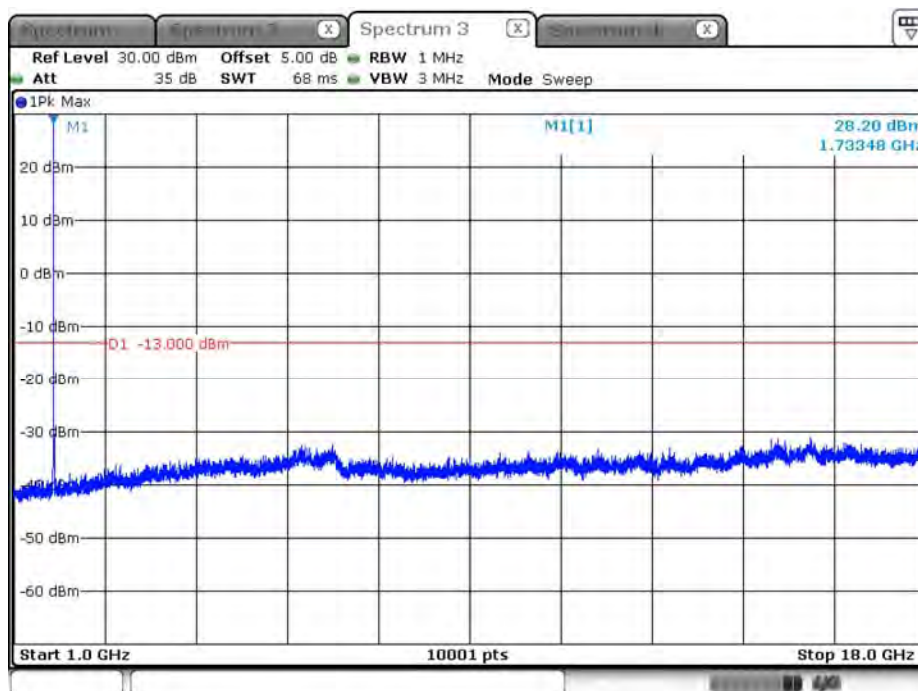
Date: 10 AUG 2018 13:46:56

CH20025_15M_1RB37_16-QAM_Below 1G



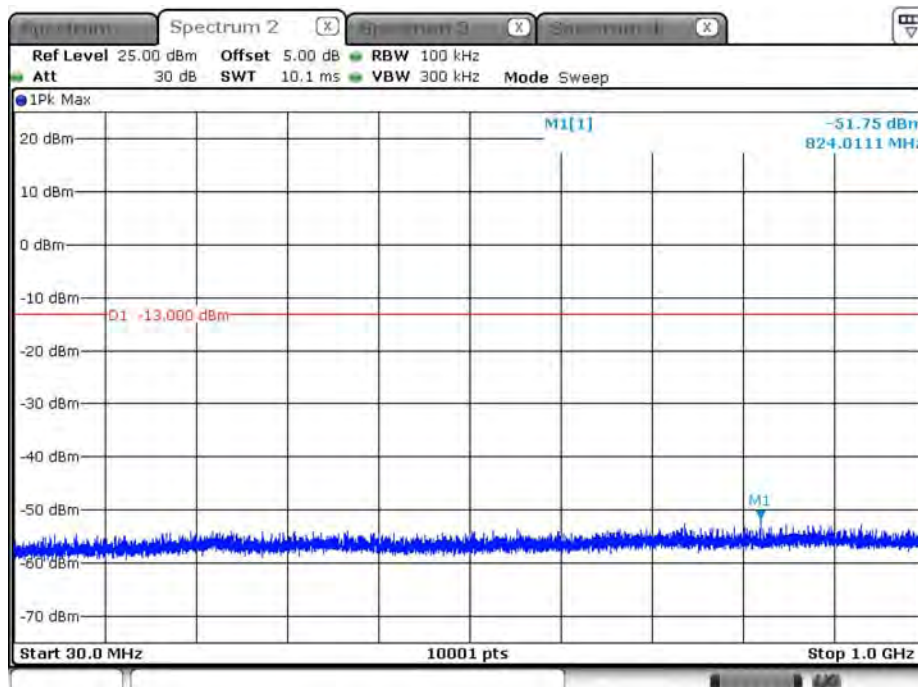
Date: 10 AUG 2018 10:44:38

CH20175_15M_1RB37_QPSK_Above 1G



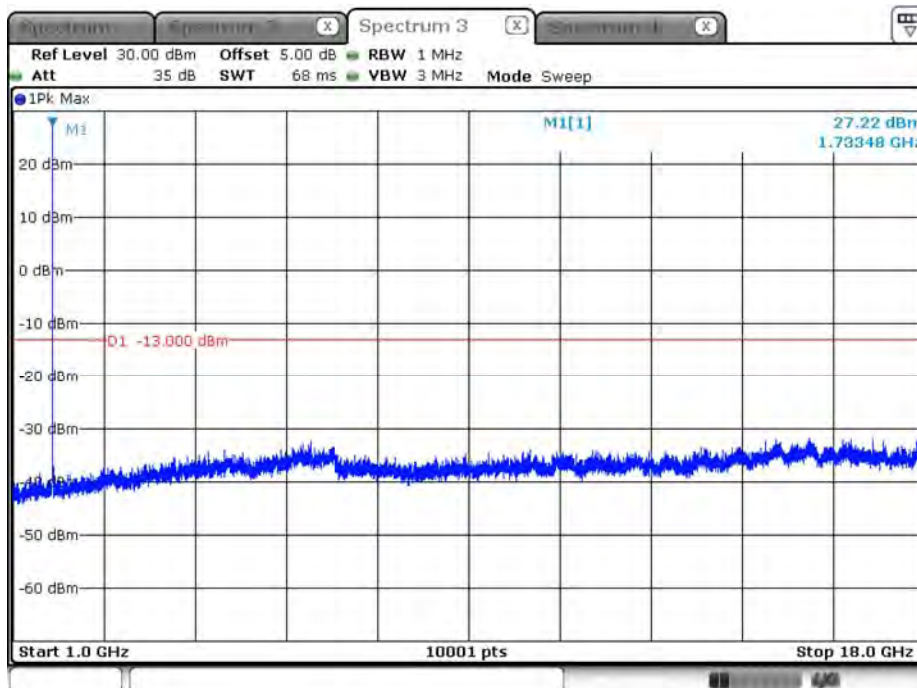
Date: 10 AUG.2018 14:01:11

CH20175_15M_1RB37_QPSK_Below 1G



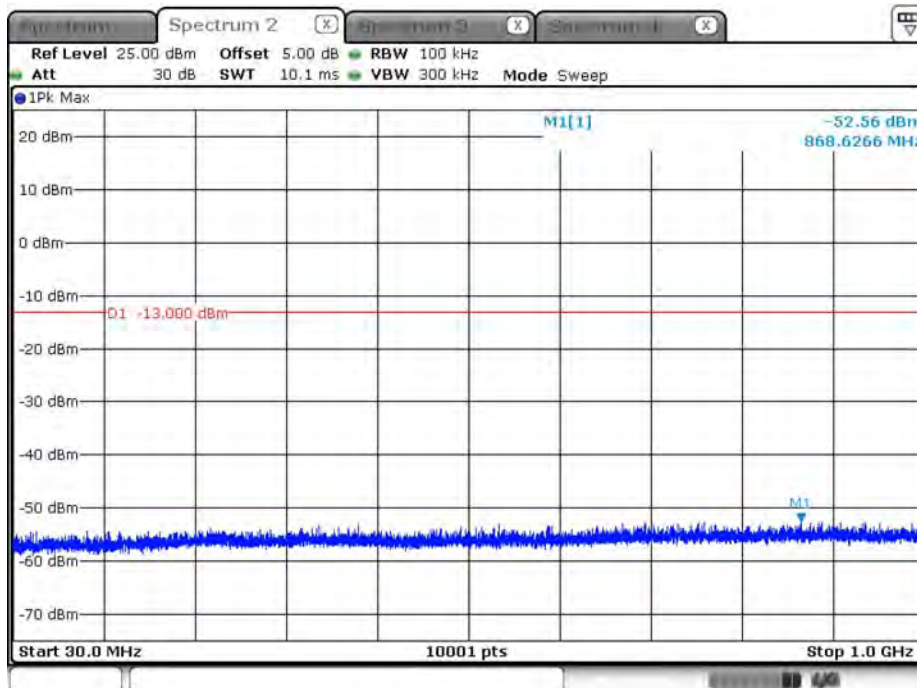
Date: 10 AUG.2018 10:42:02

CH20175_15M_1RB37_16-QAM_Above1G



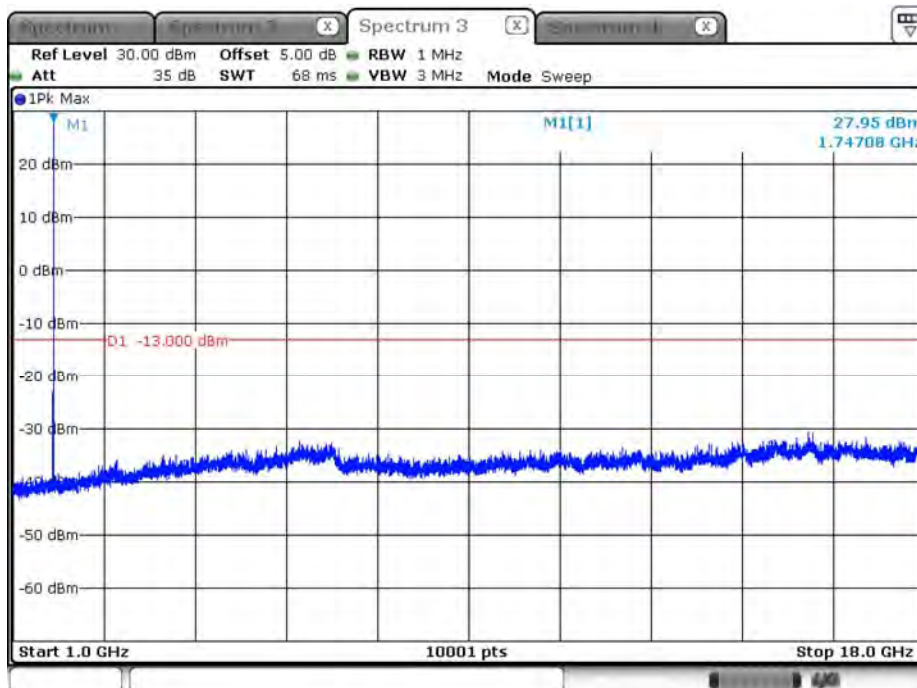
Date: 10 AUG 2018 14:00:22

CH20175_15M_1RB37_16-QAM_Below 1G



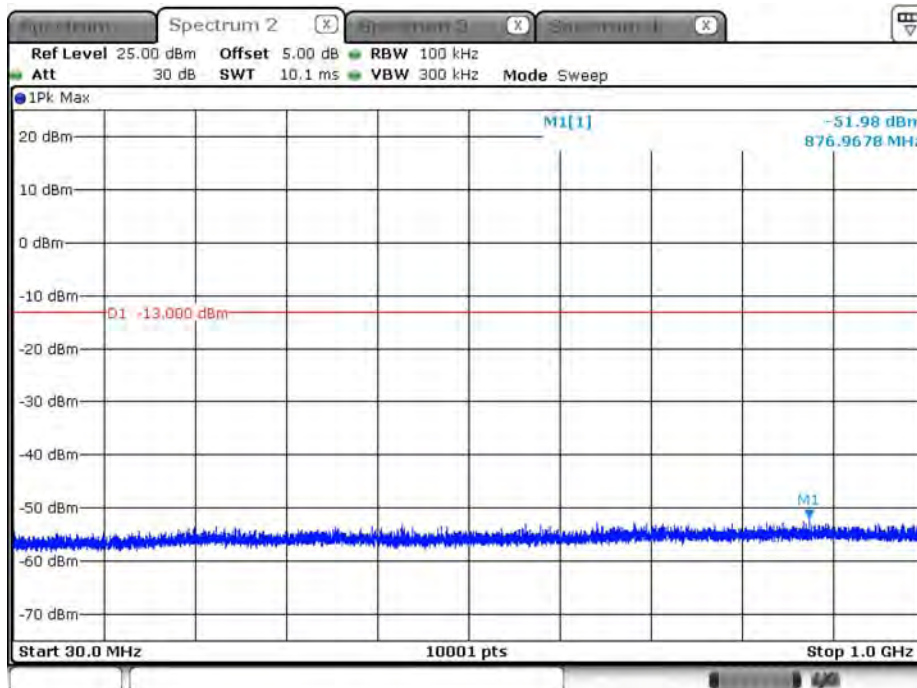
Date: 10 AUG 2018 10:44:09

CH20325_15M_1RB37_QPSK_Above 1G



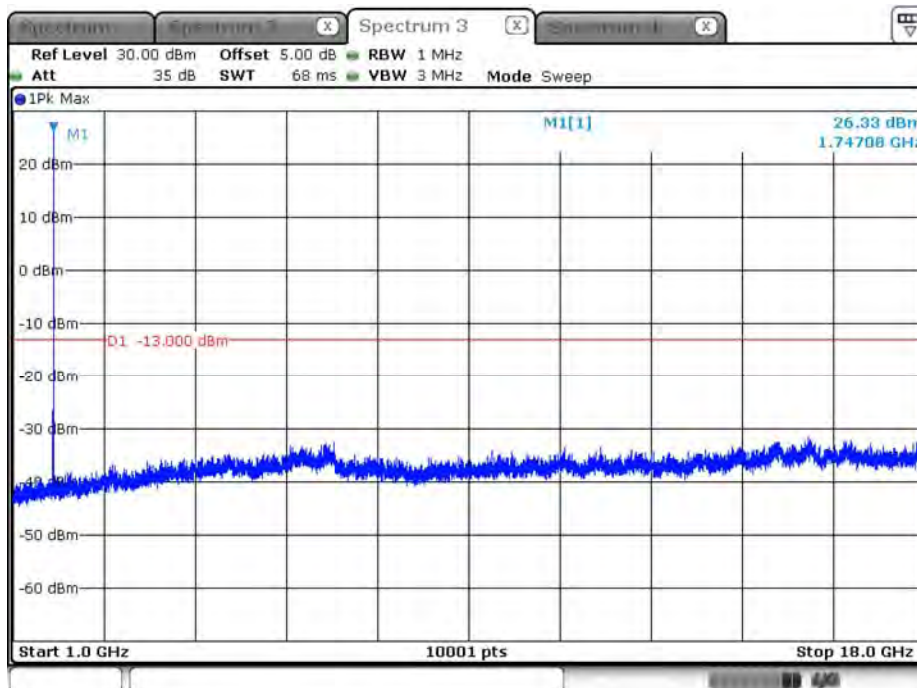
Date: 10 AUG.2018 14:15:29

CH20325_15M_1RB37_QPSK_Below 1G



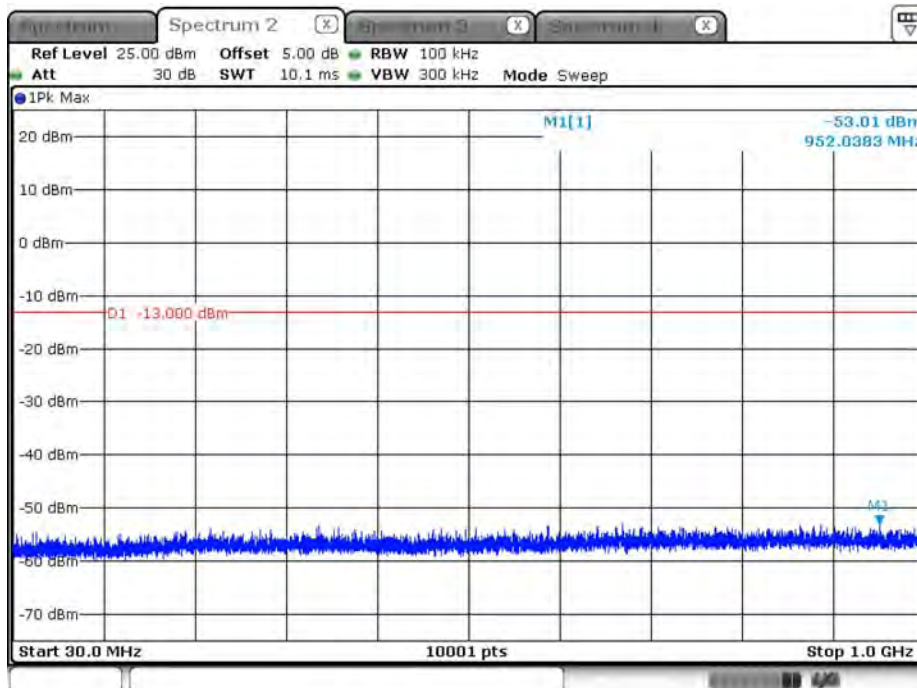
Date: 10 AUG.2018 10:43:19

CH20325_15M_1RB37_16-QAM_Above1G



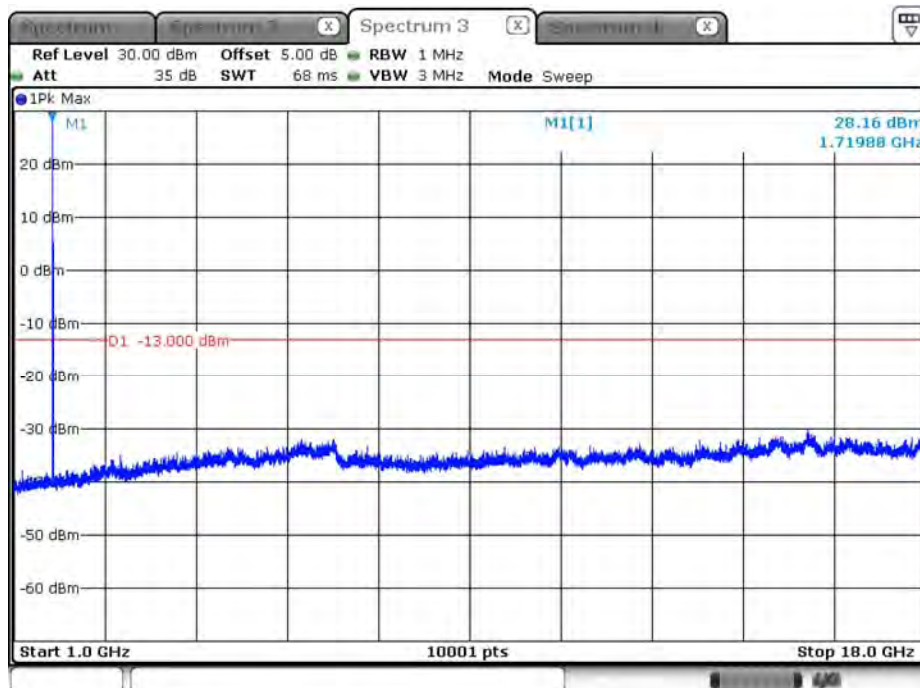
Date: 10 AUG.2018 14:15:45

CH20325_15M_1RB37_16-QAM_Below 1G



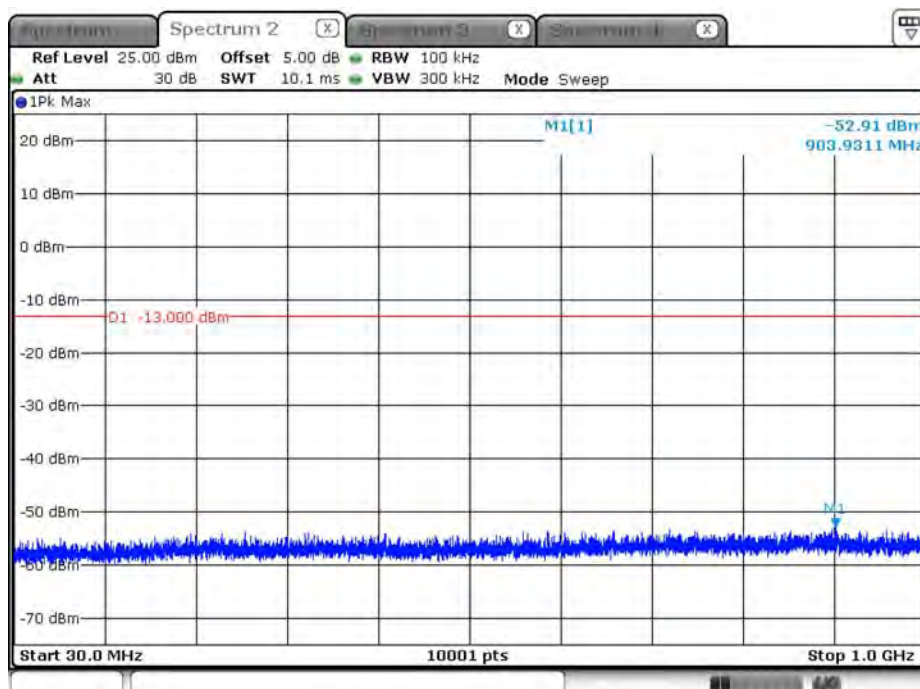
Date: 10 AUG.2018 10:43:45

CH20050_20M_1RB49_QPSK_Above 1G



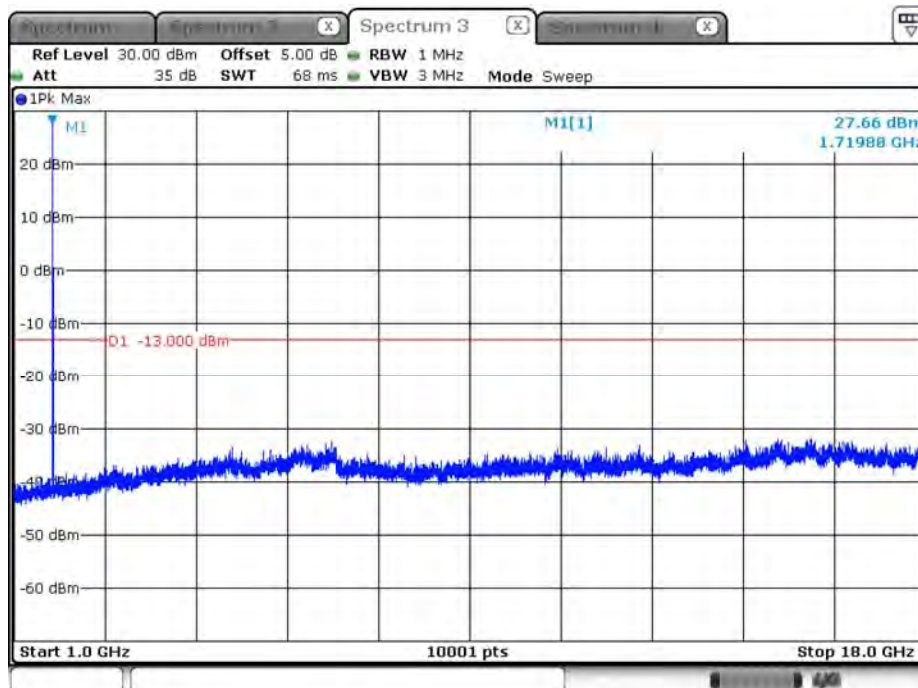
Date: 10 AUG.2018 14:17:31

CH20050_20M_1RB49_QPSK_Below 1G



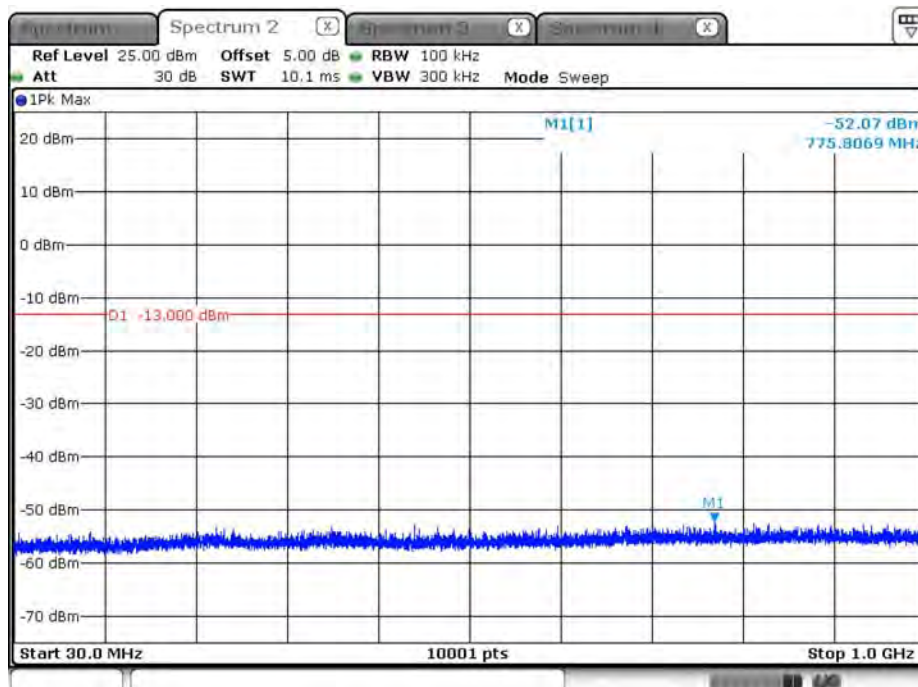
Date: 10 AUG.2018 10:48:13

CH20050_20M_1RB49_16-QAM_Above 1G



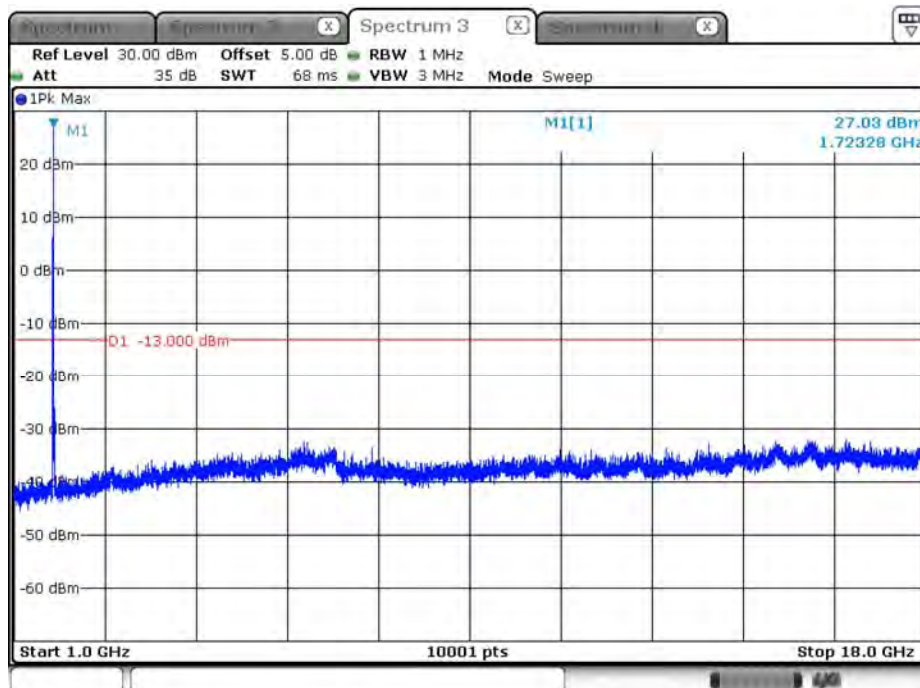
Date: 10 AUG.2018 14:18:37

CH20050_20M_1RB49_16-QAM_Below 1G



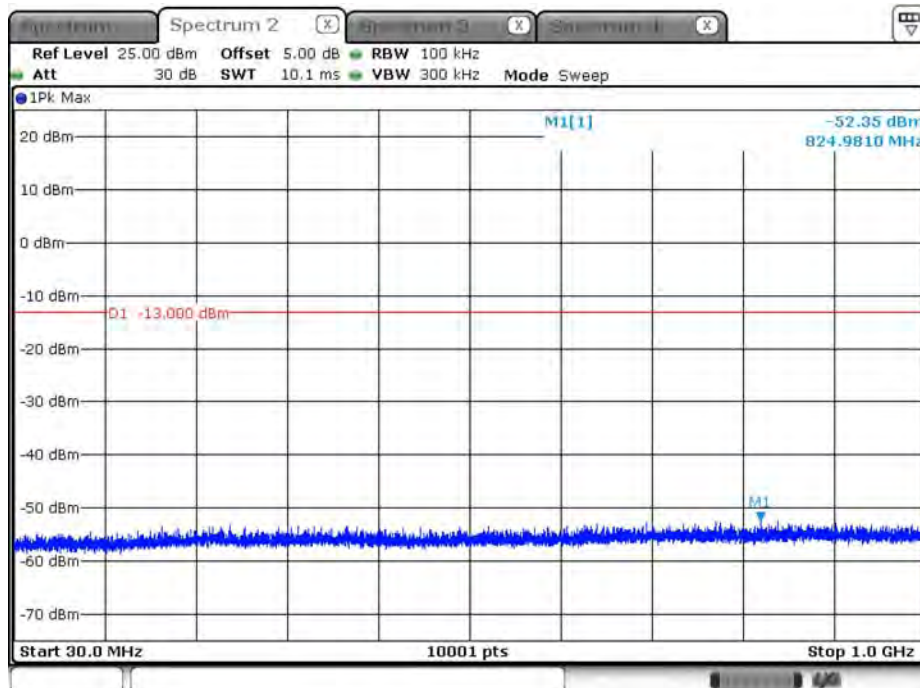
Date: 10 AUG.2018 10:49:52

CH20175_20M_1RB0_QPSK_Above 1G



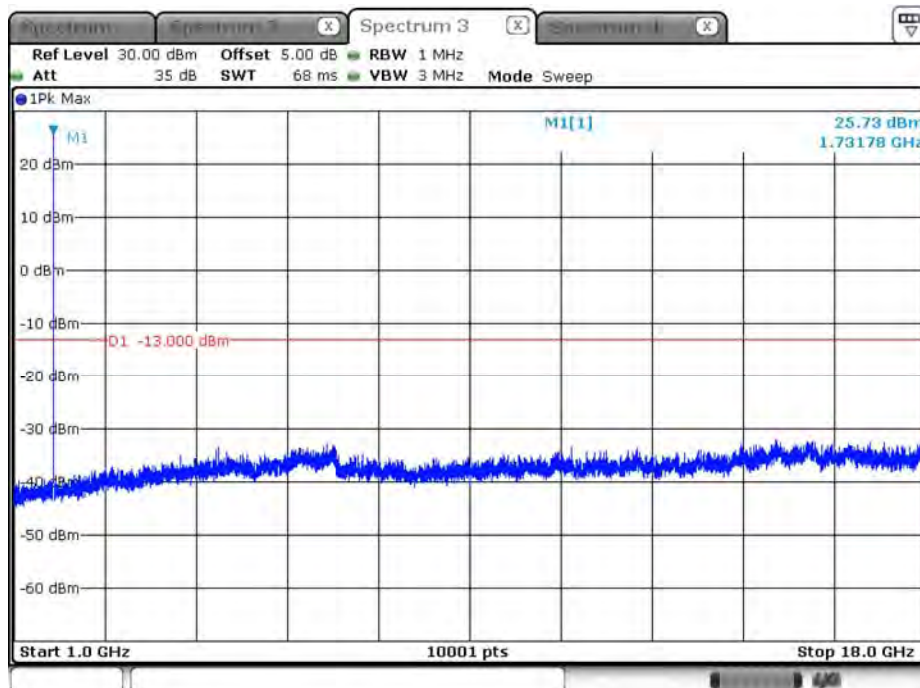
Date: 10 AUG.2018 14:19:28

CH20175_20M_1RB0_QPSK_Below 1G



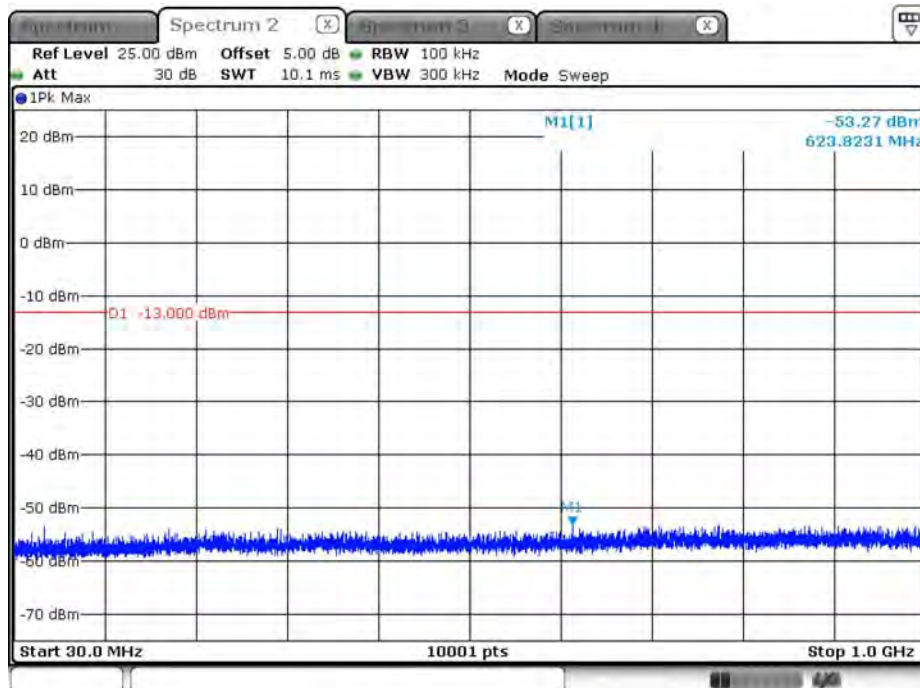
Date: 10 AUG.2018 10:48:44

CH20175_20M_1RB49_16-QAM_Above 1G



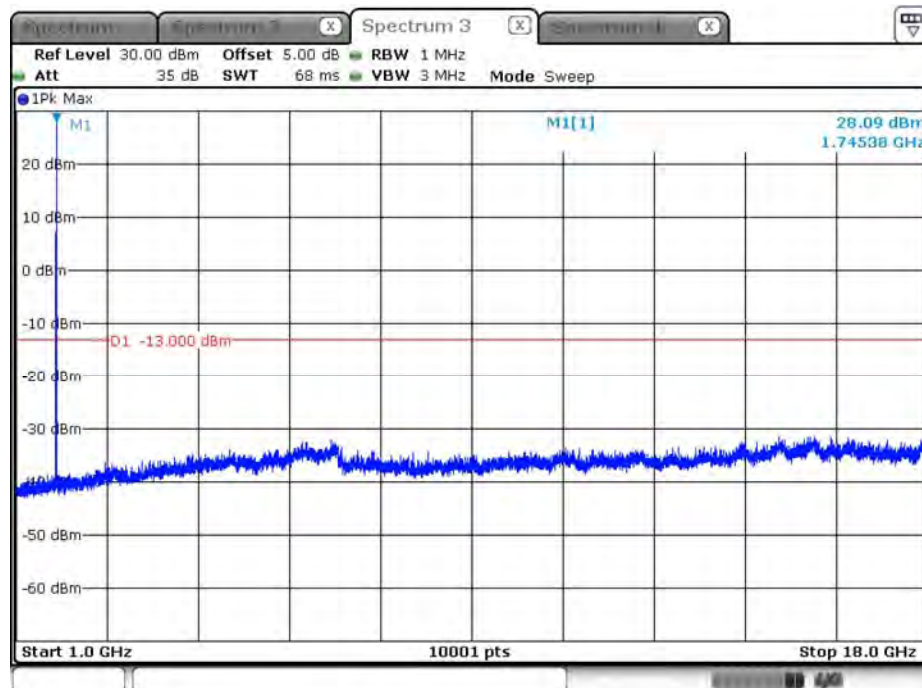
Date: 10 AUG.2018 14:19:50

CH20175_20M_1RB49_16-QAM_Below 1G



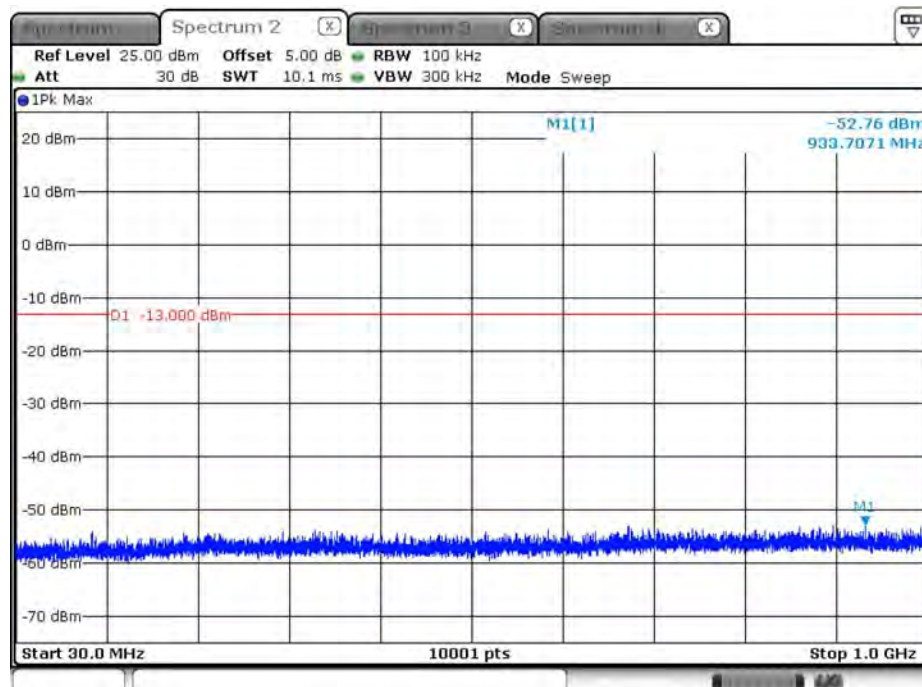
Date: 10 AUG.2018 10:50:43

CH20300_20M_1RB49_QPSK_Above 1G



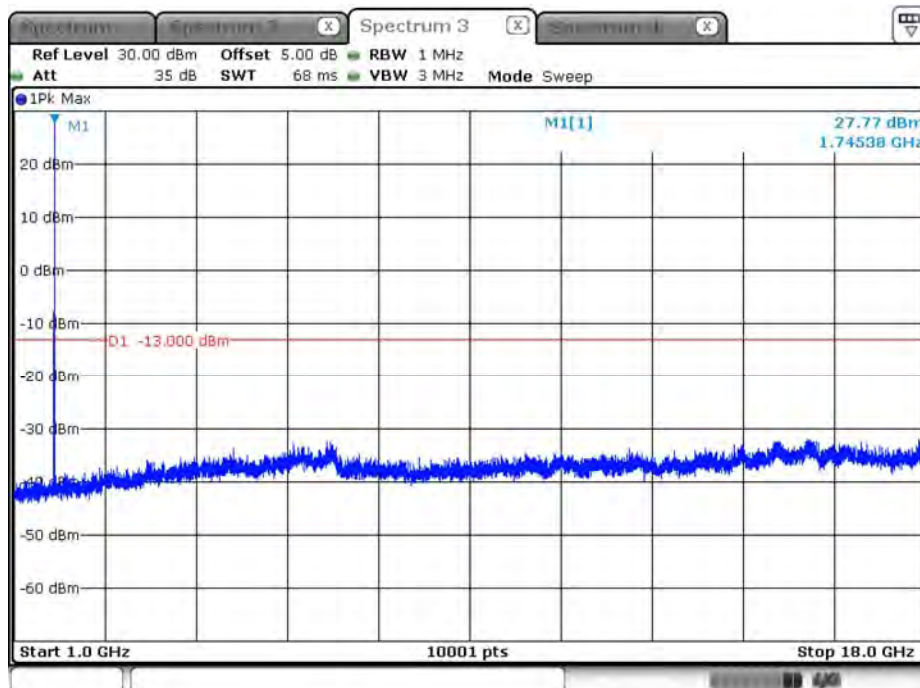
Date: 10 AUG.2018 14:21:32

CH20300_20M_1RB49_QPSK_Below 1G



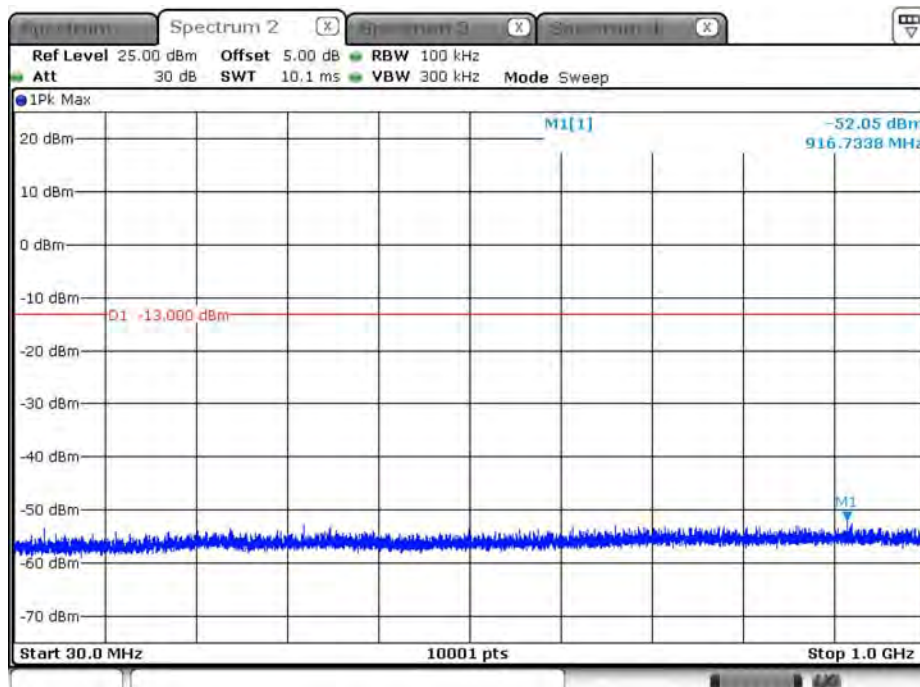
Date: 10 AUG.2018 10:49:21

CH20300_20M_1RB49_16-QAM_Above 1G



Date: 10 AUG.2018 14:22:02

CH20300_20M_1RB49_16-QAM_Below 1G



Date: 10 AUG.2018 10:51:03