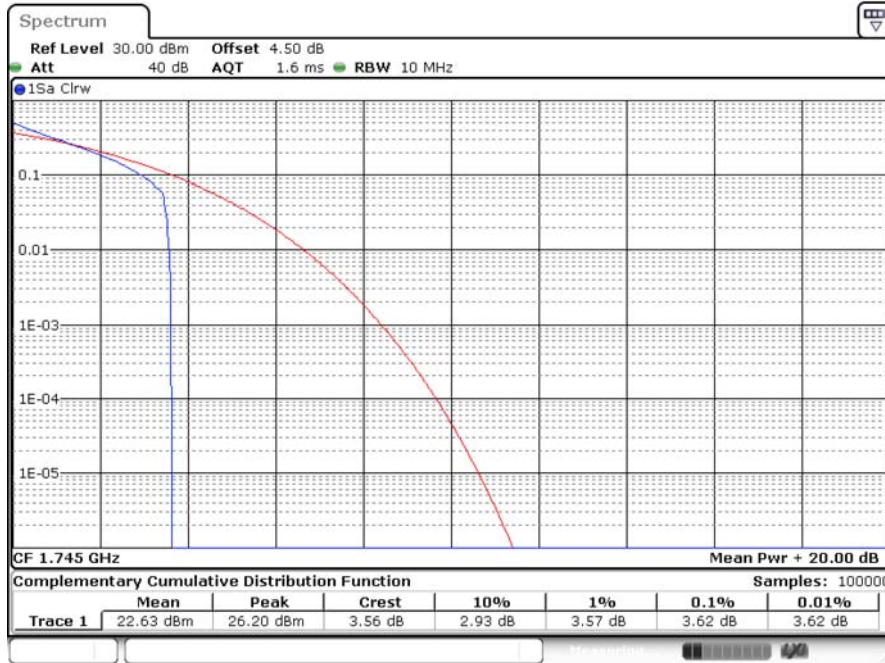
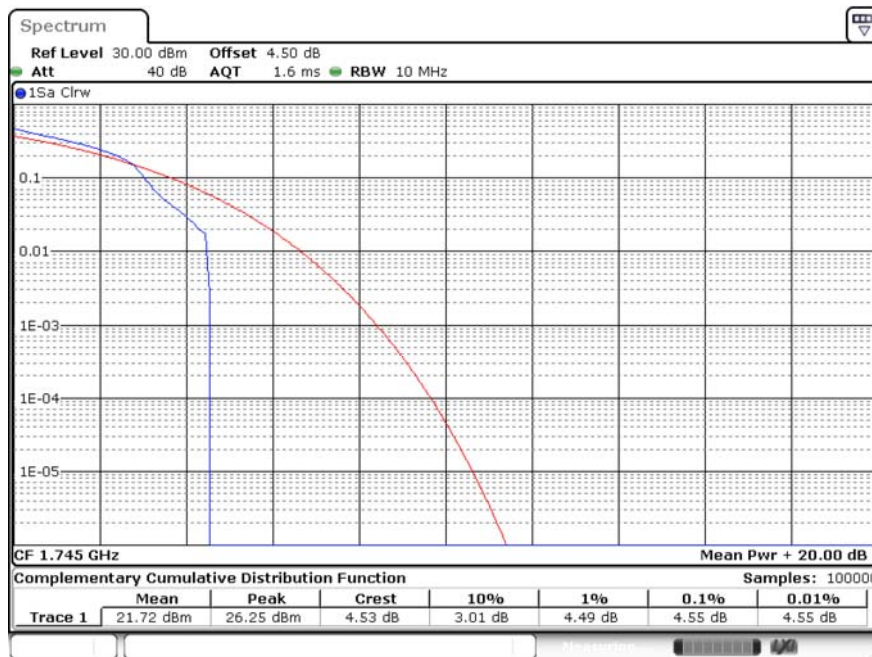


LTE\_B66\_CH132322\_3M\_QPSK\_1RB0



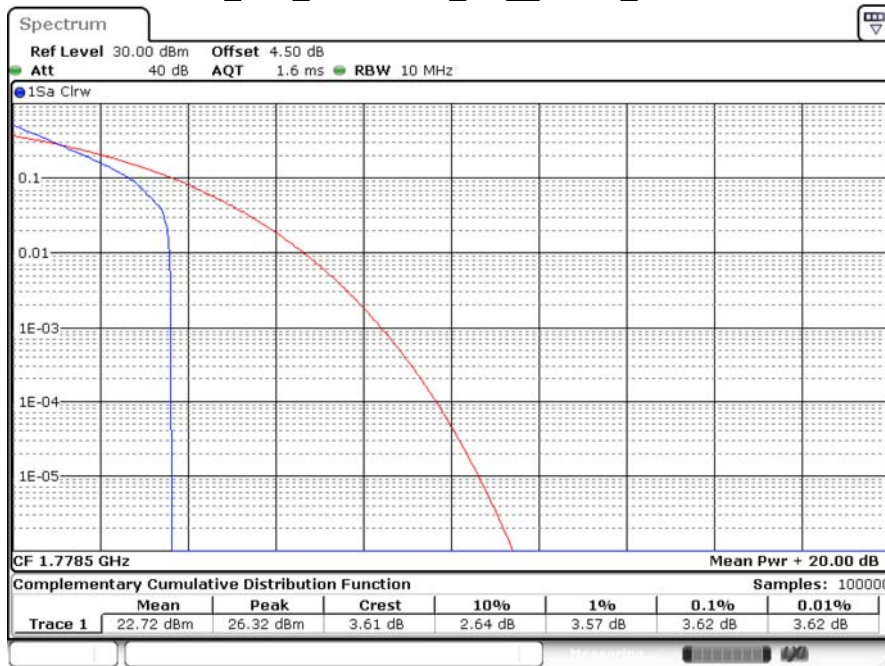
Date: 16 JUN 2020 11:12:24

LTE\_B66\_CH132322\_3M\_16-QAM\_1RB0



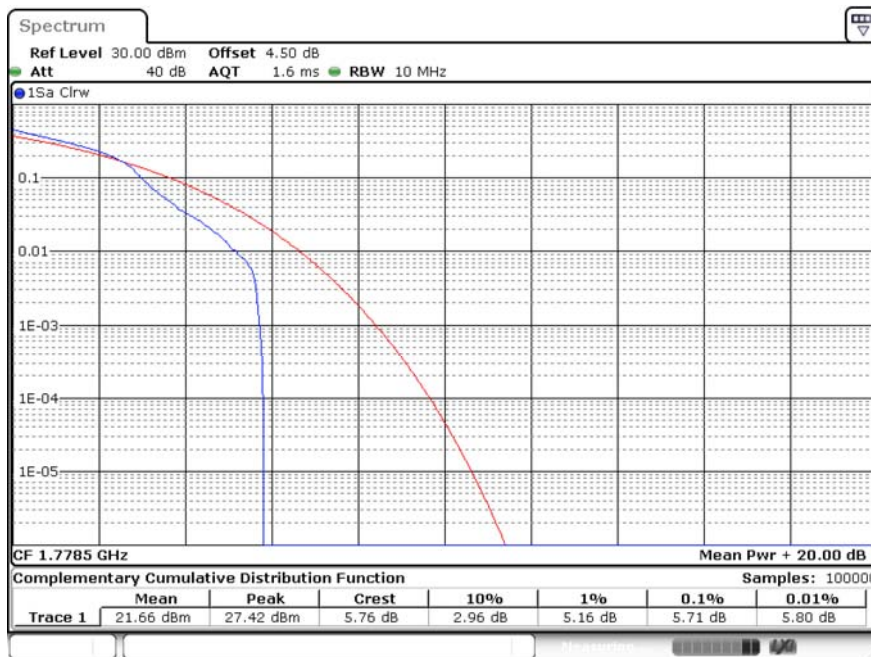
Date: 16 JUN 2020 11:12:13

LTE\_B66\_CH132657\_3M\_QPSK\_1RB14



Date: 16 JUN 2020 11:13:13

LTE\_B66\_CH132657\_3M\_16-QAM\_1RB14



Date: 16 JUN 2020 11:13:21

LTE\_B66\_CH131997\_5M\_QPSK\_1RB0



Date: 16 JUN 2020 11:14:10

LTE\_B66\_CH131997\_5M\_16-QAM\_1RB0



Date: 16 JUN 2020 11:14:24

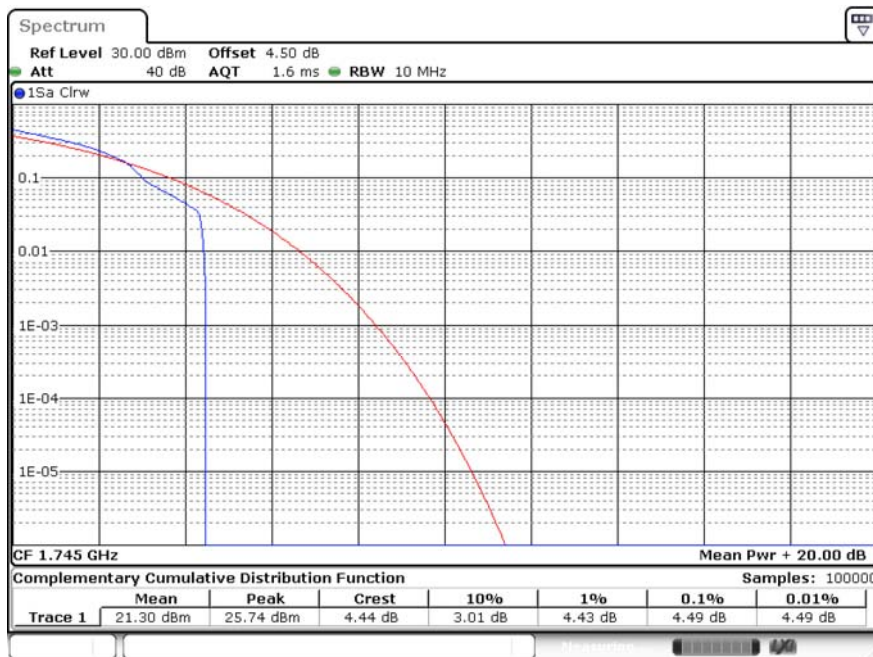


LTE\_B66\_CH132322\_5M\_QPSK\_1RB0



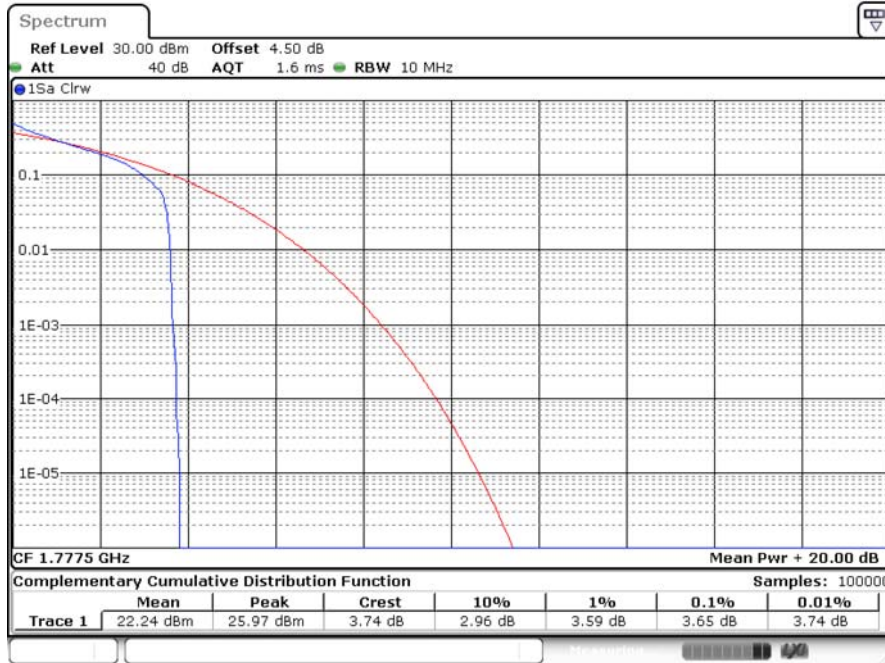
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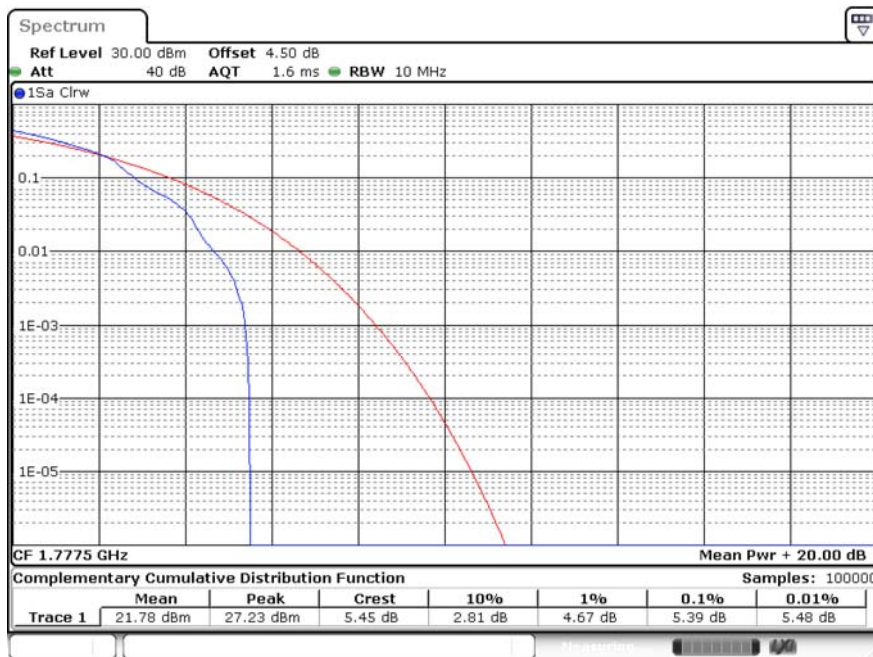
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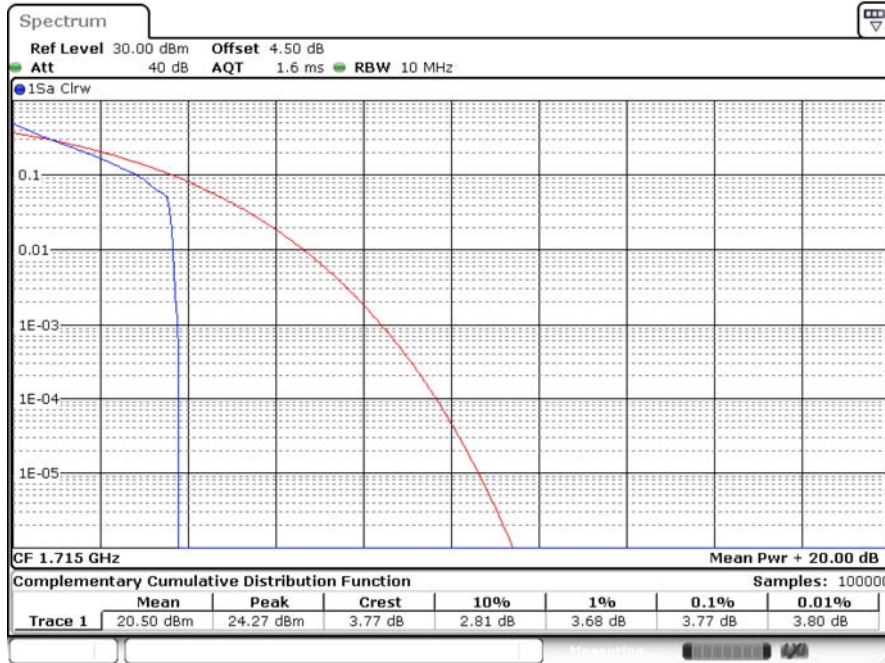
Date: 16 JUN 2020 11:16:36

LTE\_B66\_CH132647\_5M\_16-QAM\_1RB24



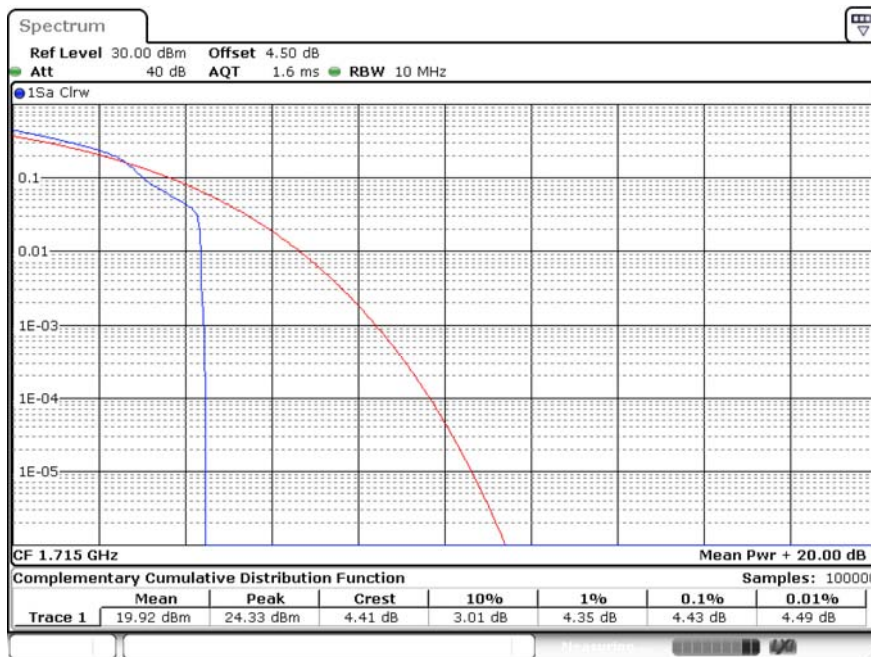
Date: 16 JUN 2020 11:16:51

LTE\_B66\_CH132022\_10M\_QPSK\_1RB0



Date: 16 JUN 2020 11:19:57

LTE\_B66\_CH132022\_10M\_16-QAM\_1RB0



Date: 16 JUN 2020 11:20:15



LTE\_B66\_CH132322\_10M\_QPSK\_1RB0



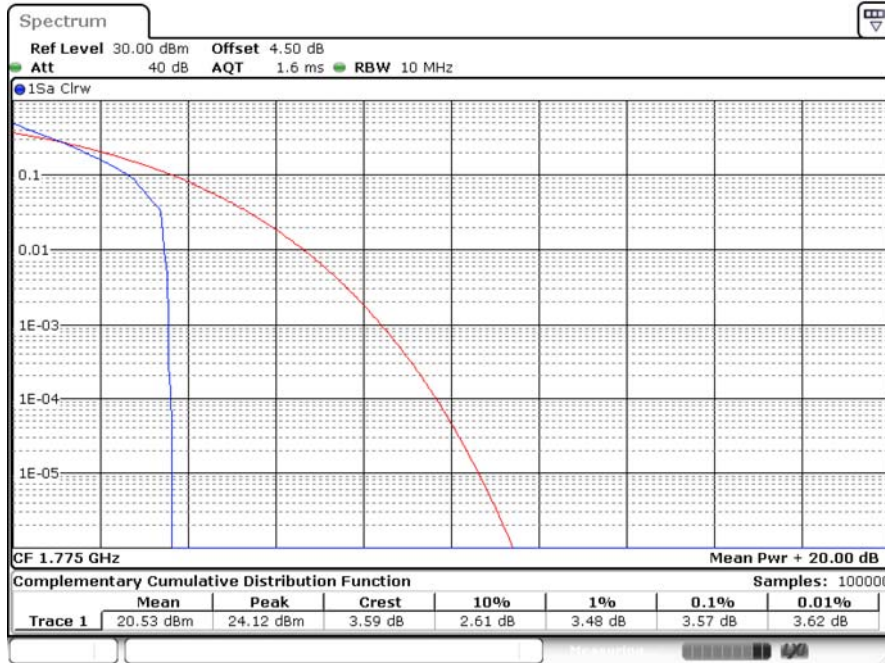
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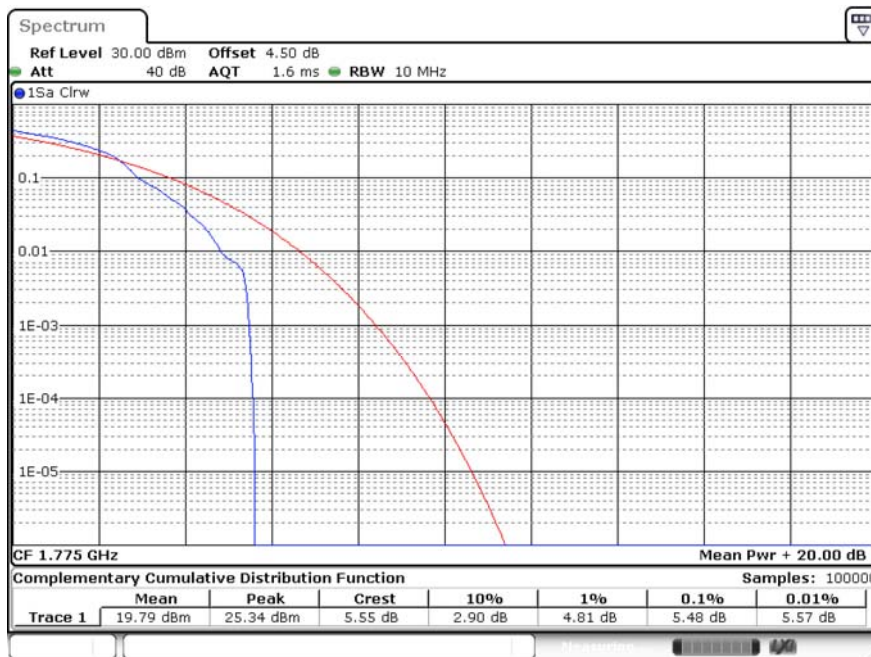
Date: 16 JUN 2020 11:20:36

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Date: 16 JUN 2020 11:21:18

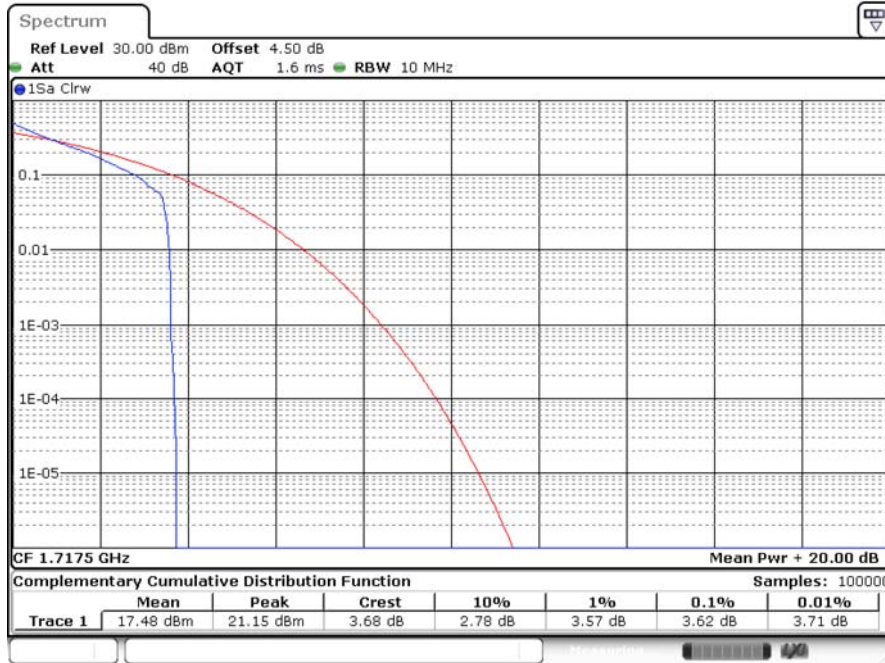
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Date: 16 JUN 2020 11:21:34

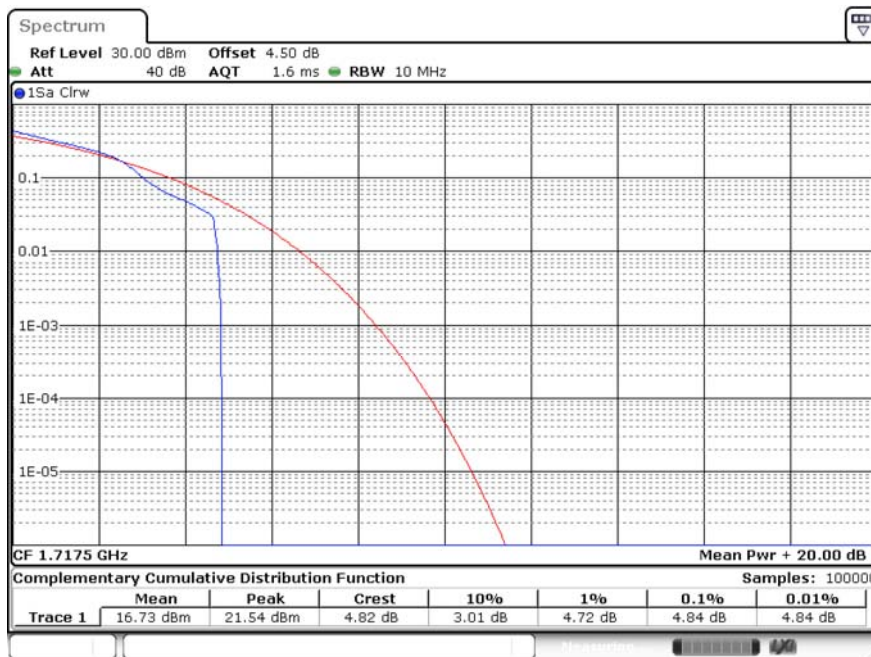


LTE\_B66\_CH132047\_15M\_QPSK\_1RB0



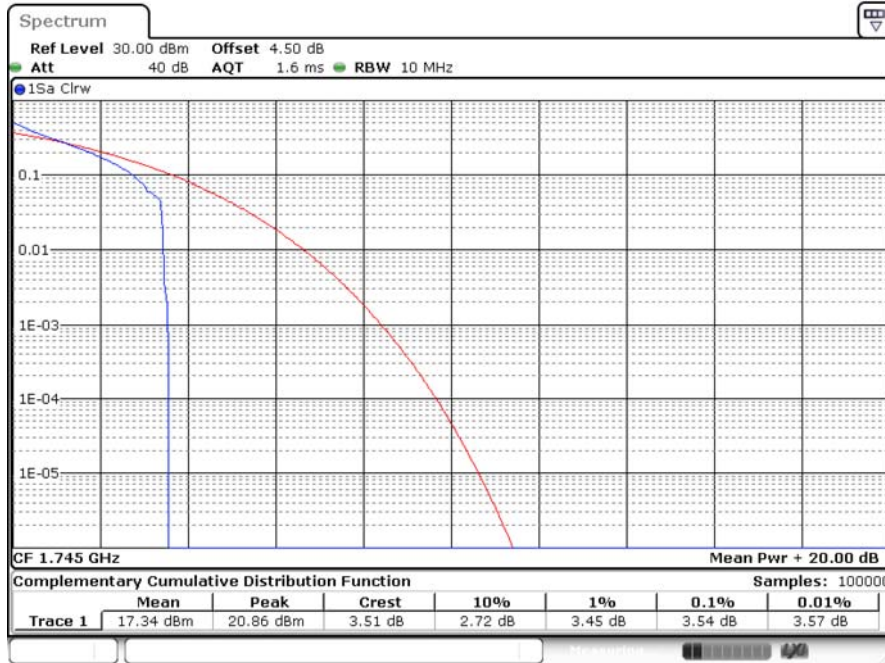
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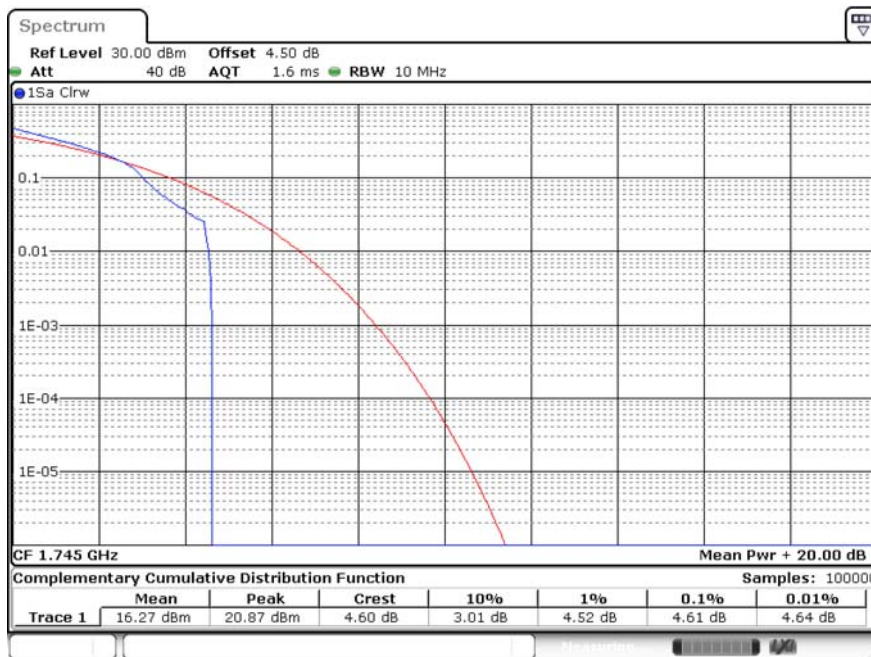
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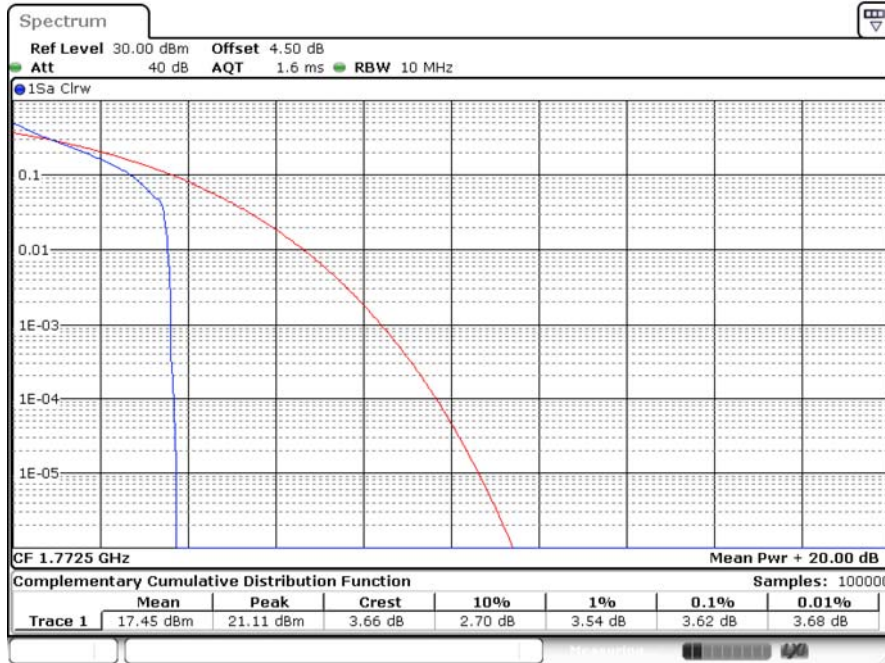
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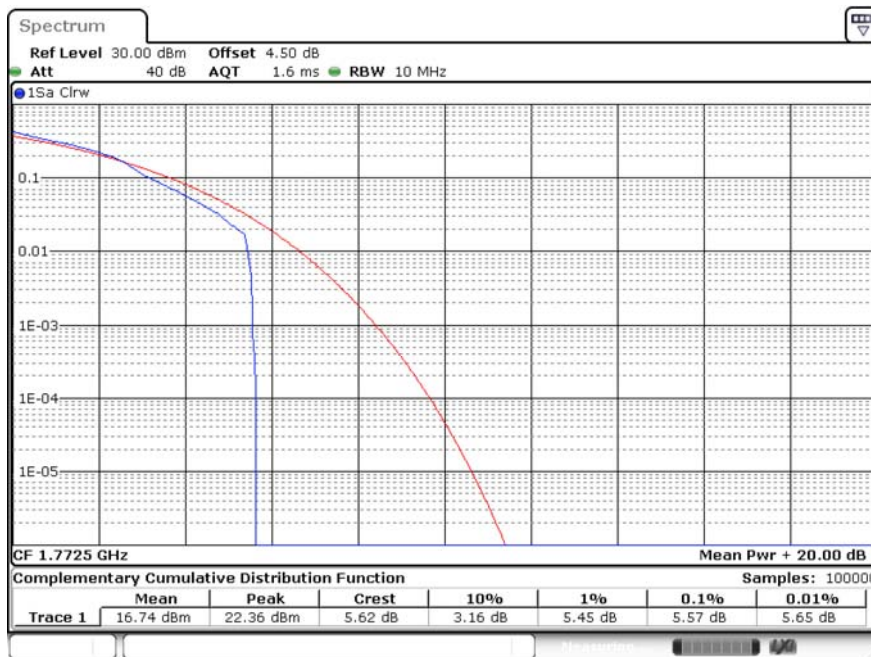
Date: 16 JUN 2020 11:22:37

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Date: 16 JUN 2020 11:23:11

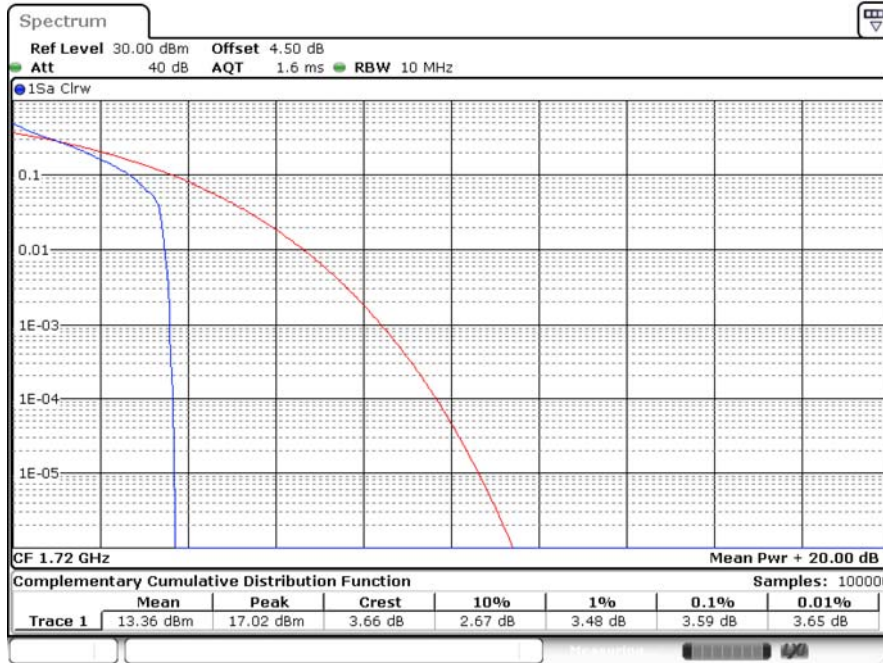
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Date: 16 JUN 2020 11:23:23

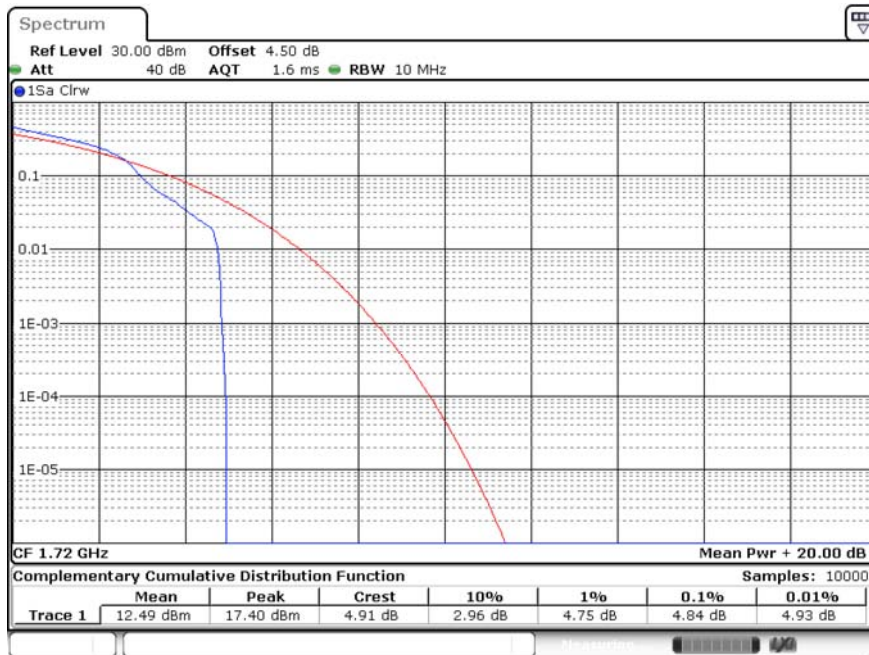


LTE\_B66\_CH132072\_20M\_QPSK\_1RB0



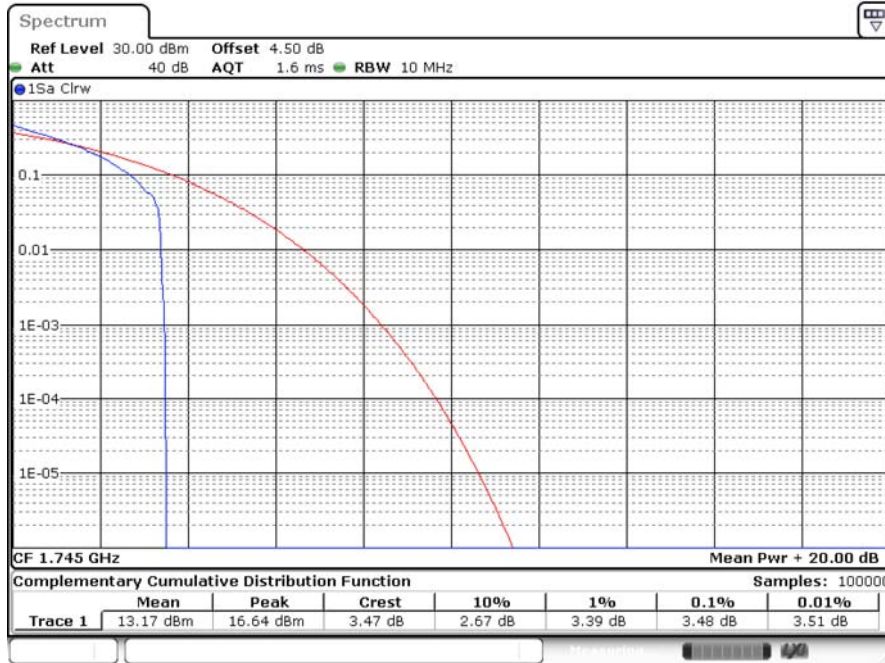
Date: 16 JUN 2020 11:24:13

LTE\_B66\_CH132072\_20M\_16-QAM\_1RB0



Date: 16 JUN 2020 11:23:57

LTE\_B66\_CH132322\_20M\_QPSK\_1RB0



Date: 16 JUN 2020 11:24:28

LTE\_B66\_CH132322\_20M\_16-QAM\_1RB0



Date: 16 JUN 2020 11:24:39

LTE\_B66\_CH132572\_20M\_\_QPSK\_1RB99



Date: 16 JUN 2020 11:25:10

LTE\_B66\_CH132572\_20M\_16-QAM\_1RB99



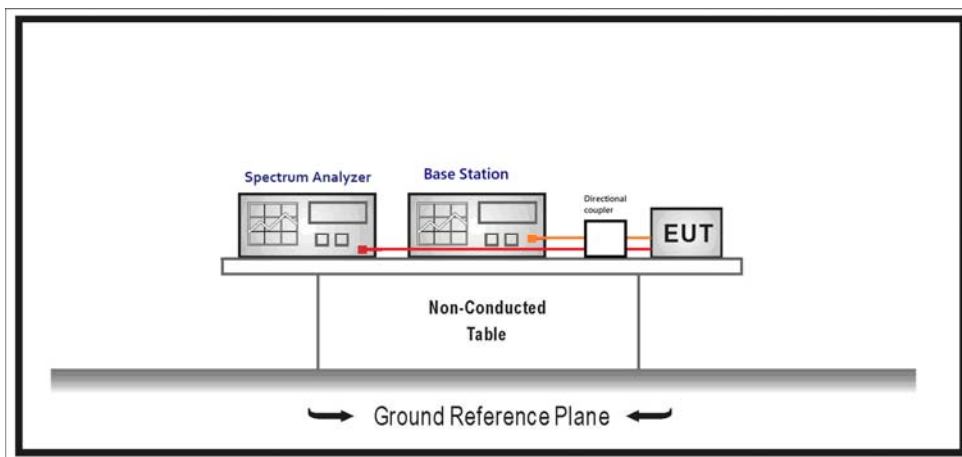
Date: 16 JUN 2020 11:25:01



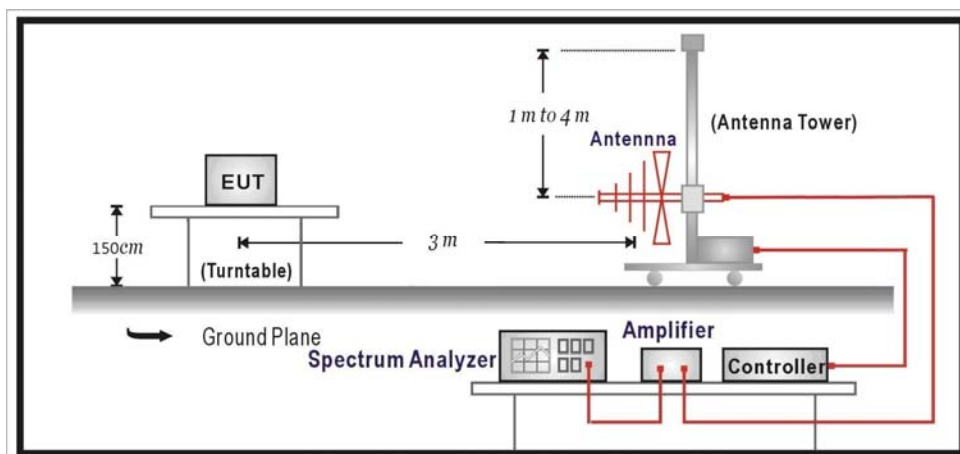
## 6. Spurious Emissions

### 6.1. Test Setup

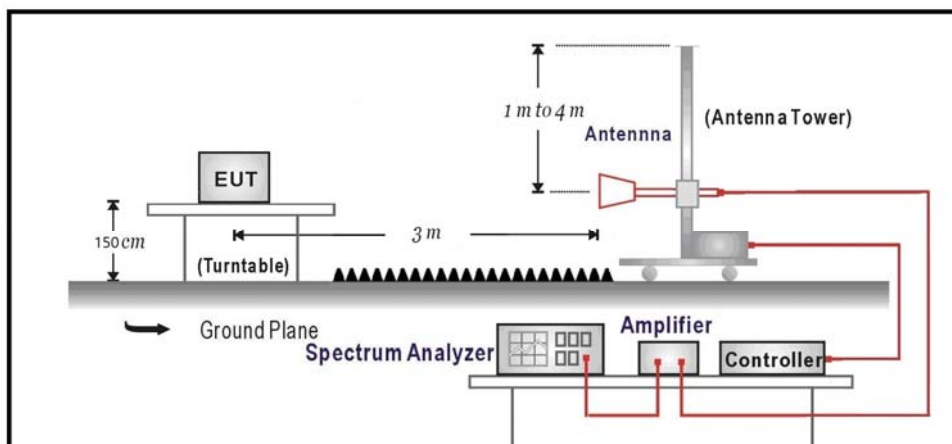
Conducted Spurious Measurement: below 1GHz



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 10<sup>th</sup> 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-clause6.1  
ANSI C63.26-2015 Sub-clause 5.7

### Radiated Spurious Measurement:

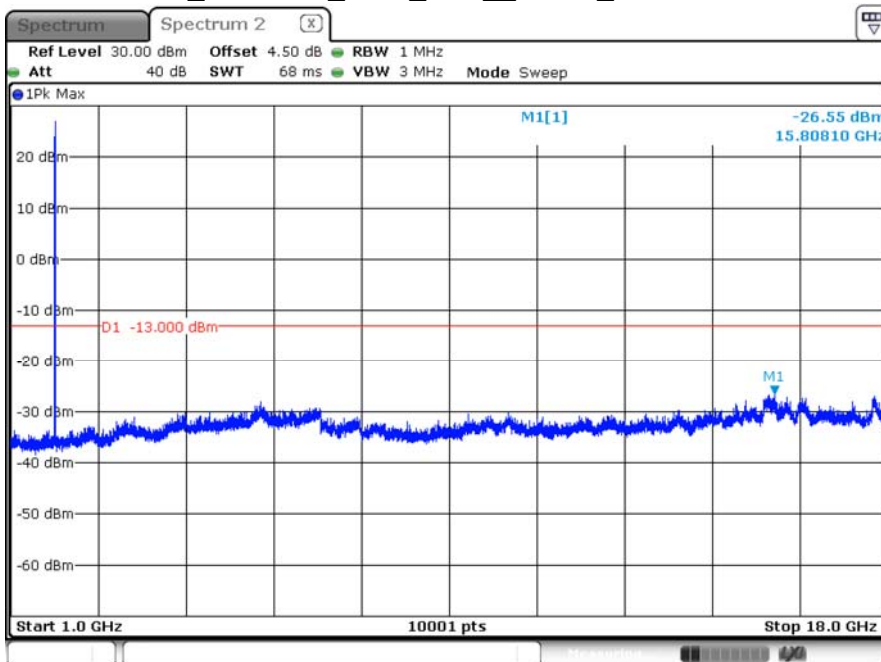
KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause5.8  
ANSI C63.26-2015 Sub-clause 5.5.3.2

### 6.4. Test Result

#### Conducted Spurious Emission

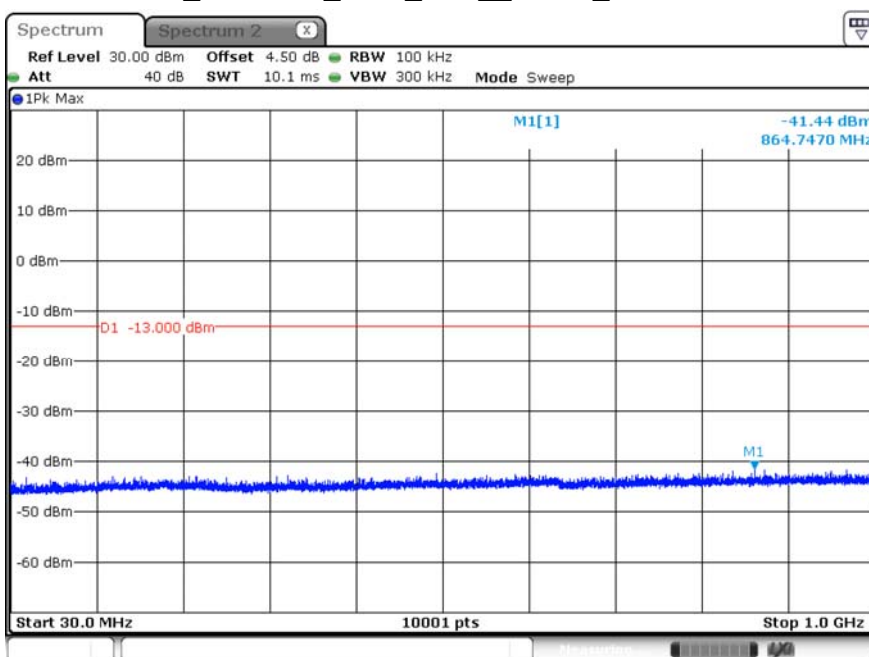
Product	LV55		
Test Item	Spurious Emissions		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2020/06/17	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	60

B2\_CH18607\_1.4M\_1RB\_\_QPSK\_Above 1G



Date: 17 JUN 2020 09:33:44

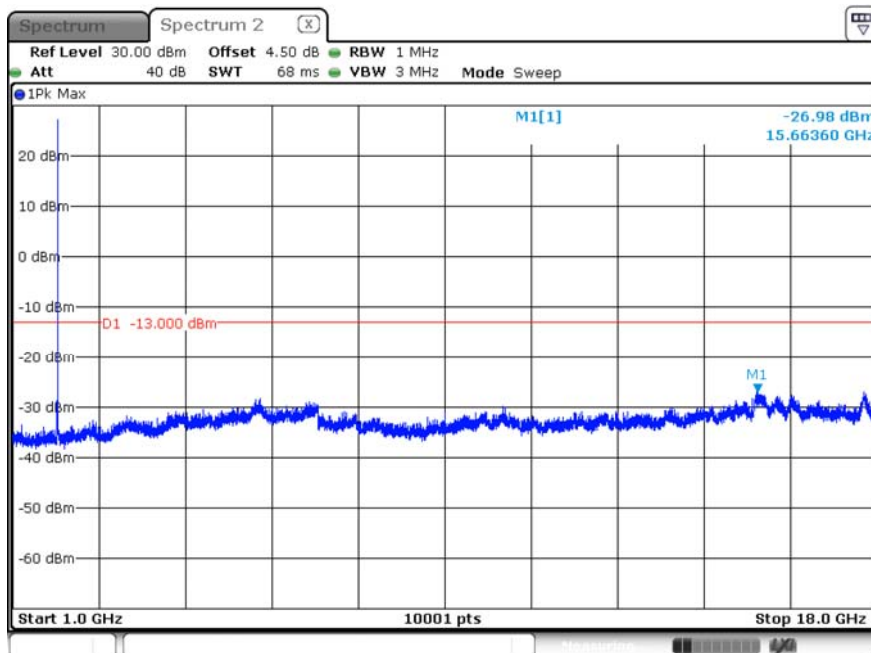
B2\_CH18607\_1.4M\_1RB\_\_QPSK\_Below 1G



Date: 17 JUN 2020 09:32:44

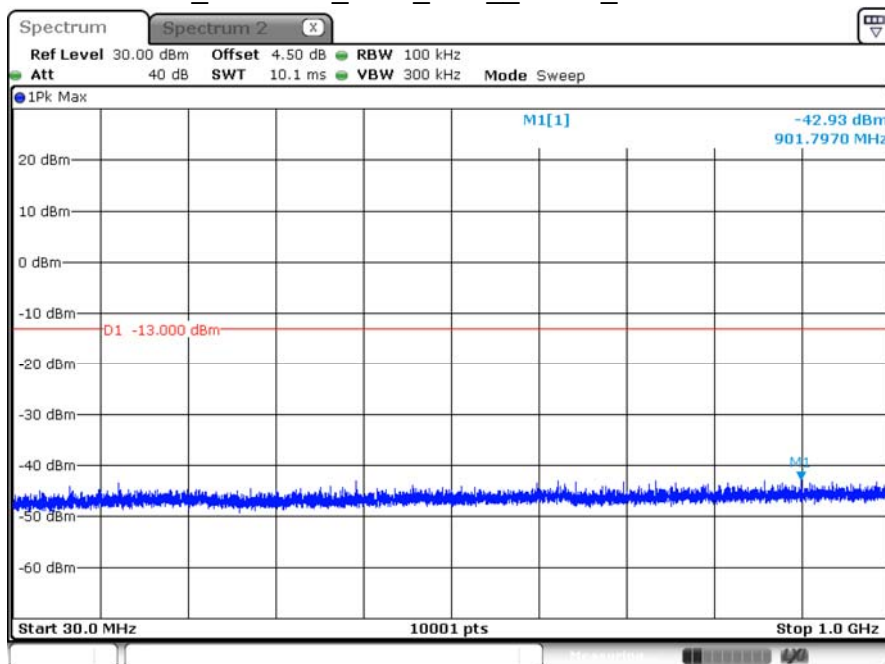


### B2\_CH18900\_1.4M\_1RB\_\_QPSK\_Above 1G



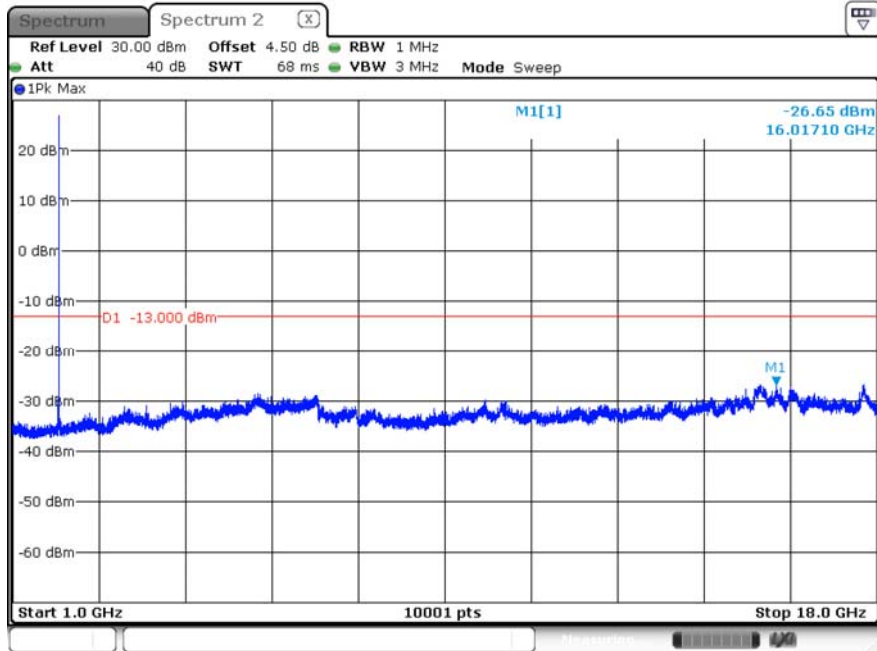
Date: 17 JUN 2020 09:34:21

### B2\_CH18900\_1.4M\_1RB\_\_QPSK\_Below 1G



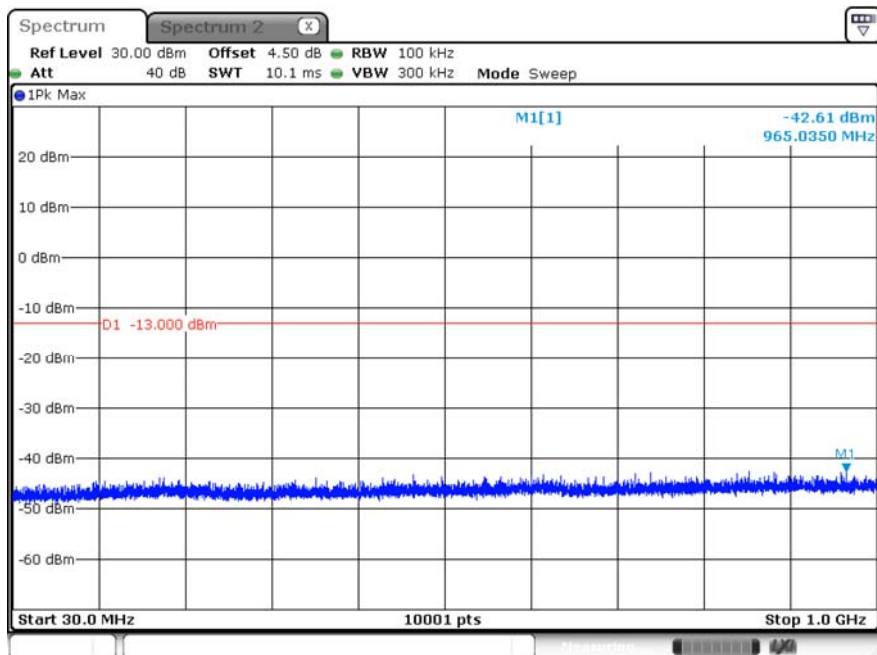
Date: 17 JUN 2020 09:34:58

### B2\_CH19193\_1.4M\_1RB\_\_QPSK\_Above 1G



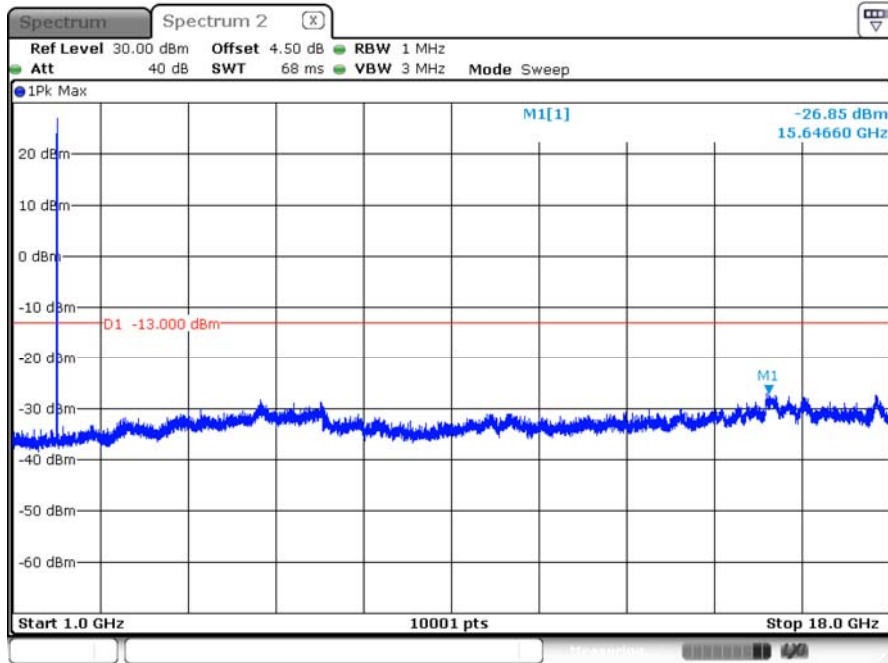
Date: 17.JUN.2020 09:36:48

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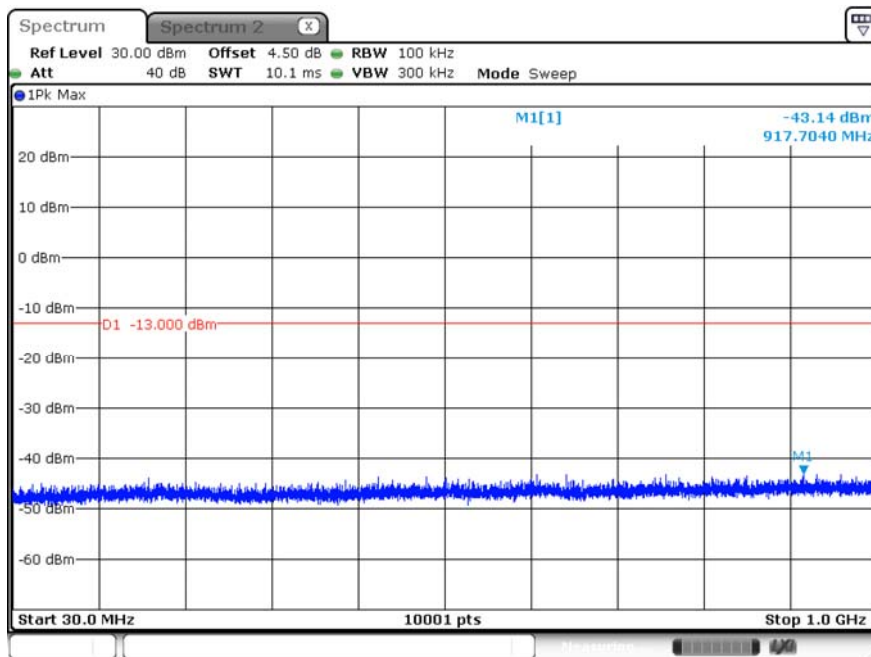
Date: 17.JUN.2020 09:35:55

### B2\_CH18615\_3M\_1RB\_\_QPSK\_Above 1G



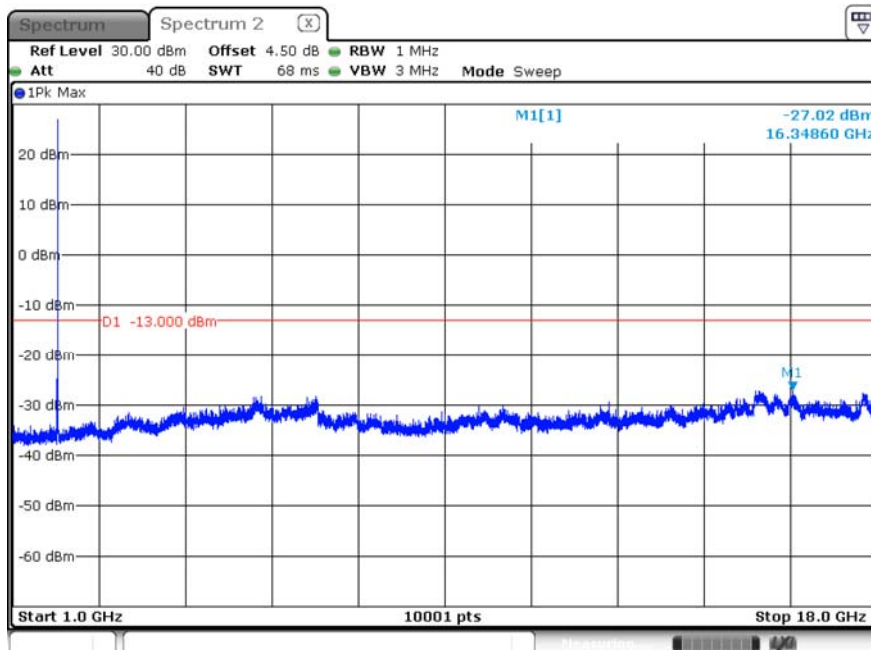
Date: 17 JUN 2020 09:37:38

### B2\_CH18615\_3M\_1RB\_\_QPSK\_Below 1G



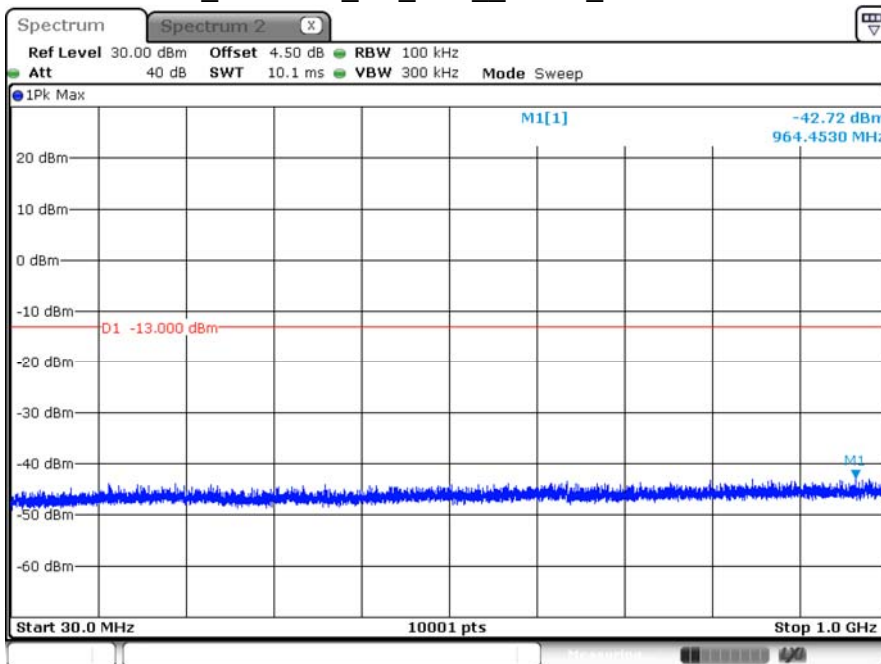
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### B2\_CH18900\_3M\_1RB\_\_QPSK\_Above 1G



Date: 17 JUN 2020 09:39:59

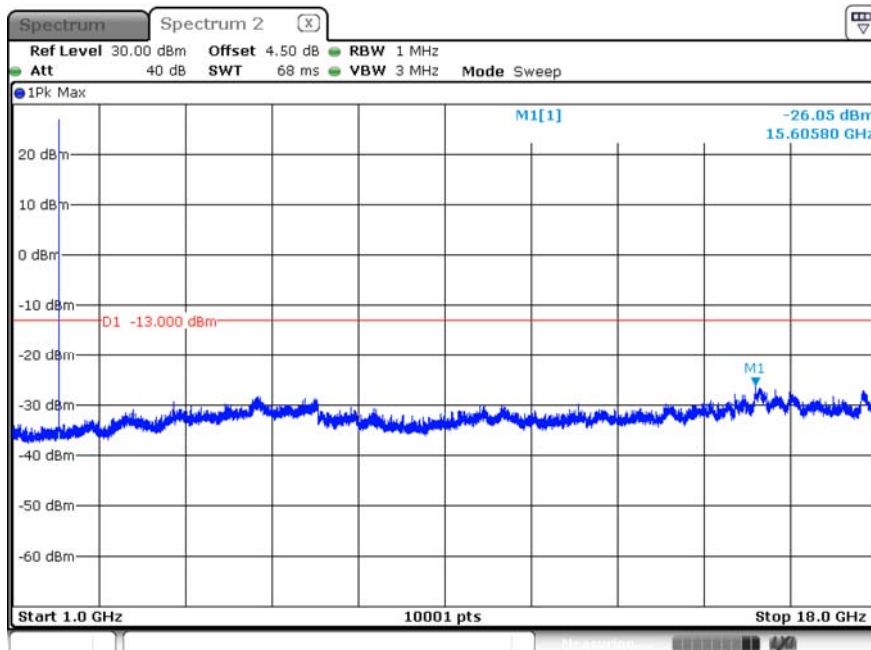
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Date: 17 JUN 2020 09:39:26

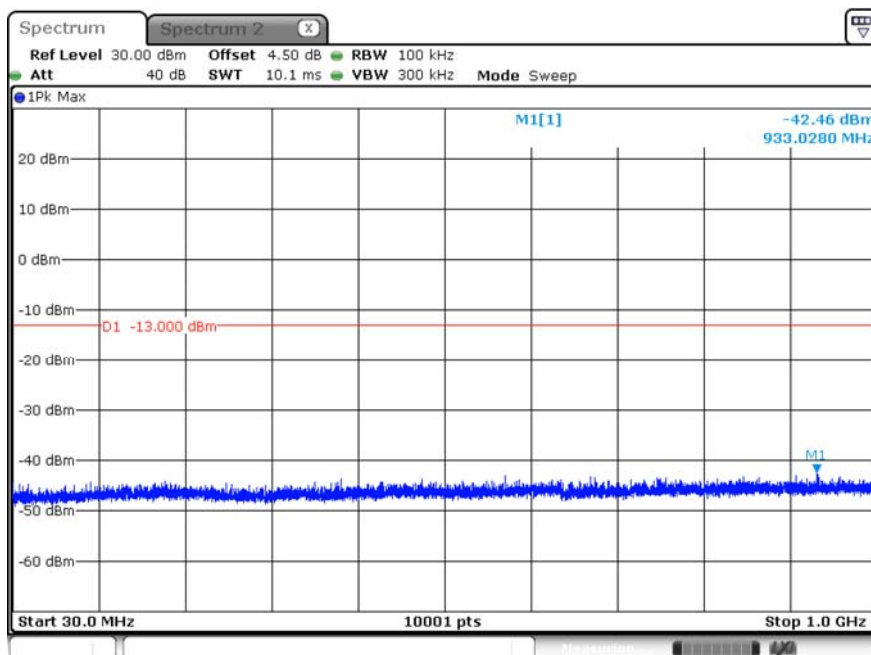


### B2\_CH19185\_3M\_1RB\_\_QPSK\_Above 1G



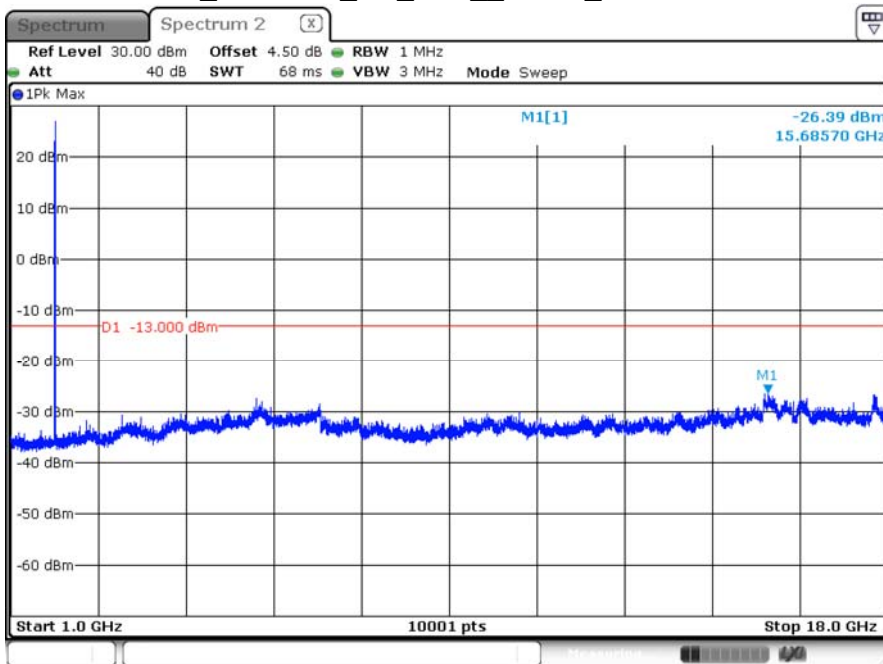
Date: 17.JUN.2020 09:41:10

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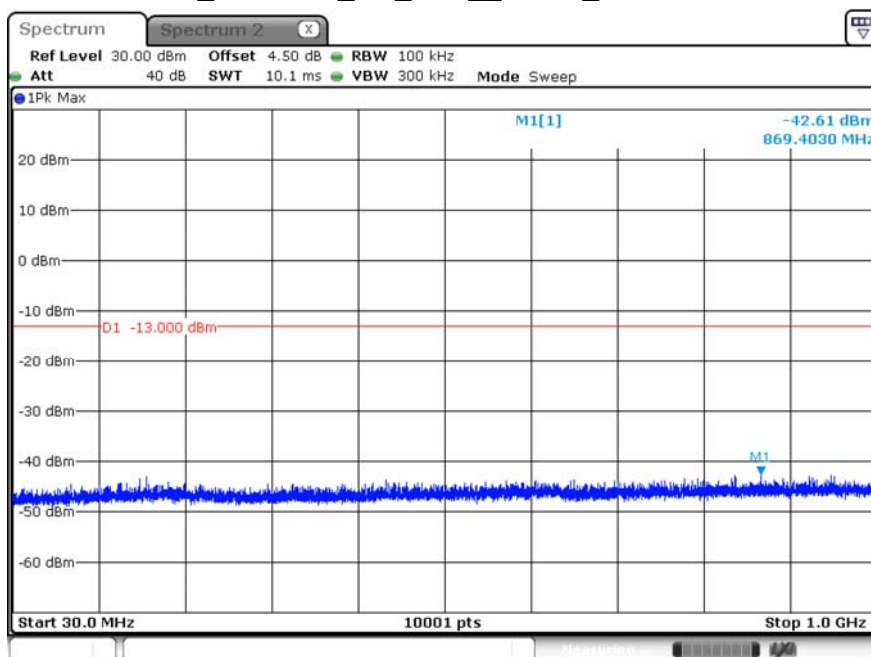
Date: 17.JUN.2020 09:42:01

### B2\_CH18625\_5M\_1RB\_\_QPSK\_Above 1G



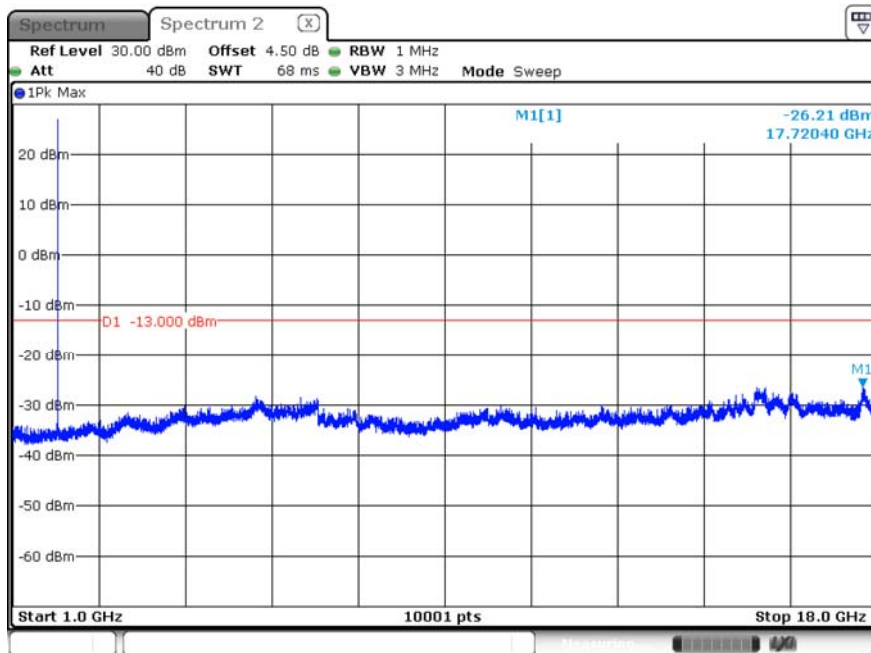
Date: 17 JUN 2020 09:43:44

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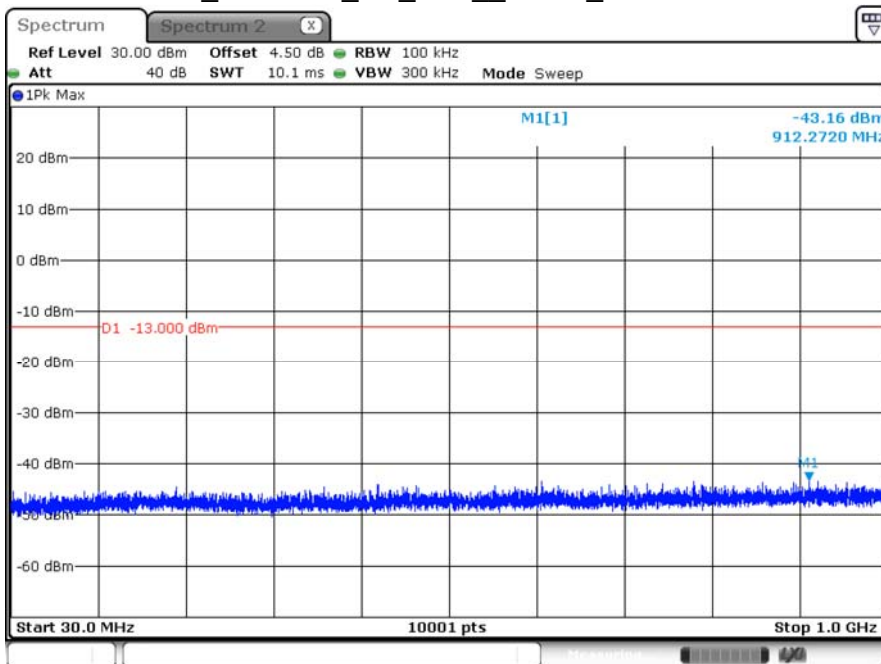
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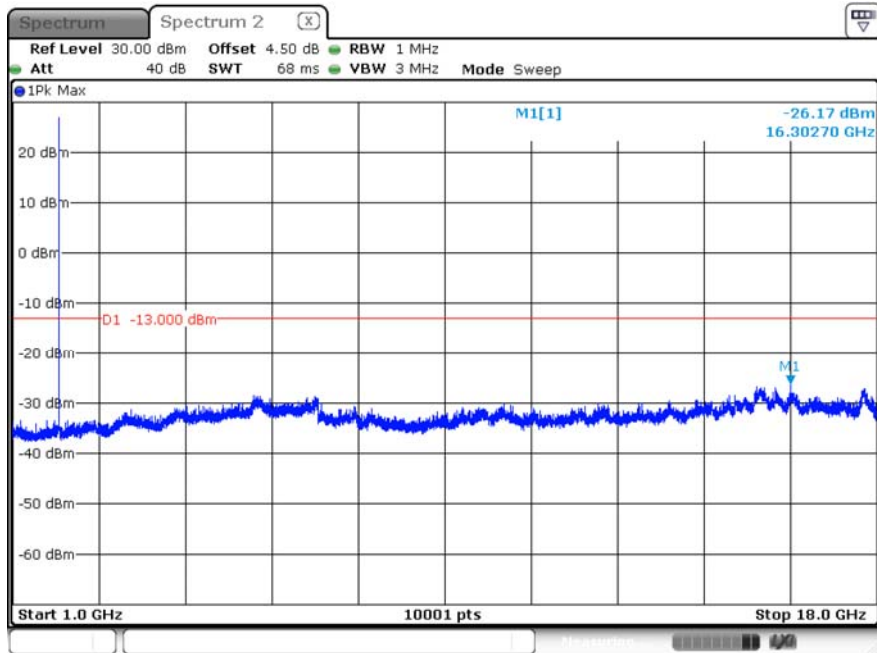
Date: 17 JUN 2020 09:44:35

### B2\_CH18900\_5M\_1RB\_\_QPSK\_Below 1G



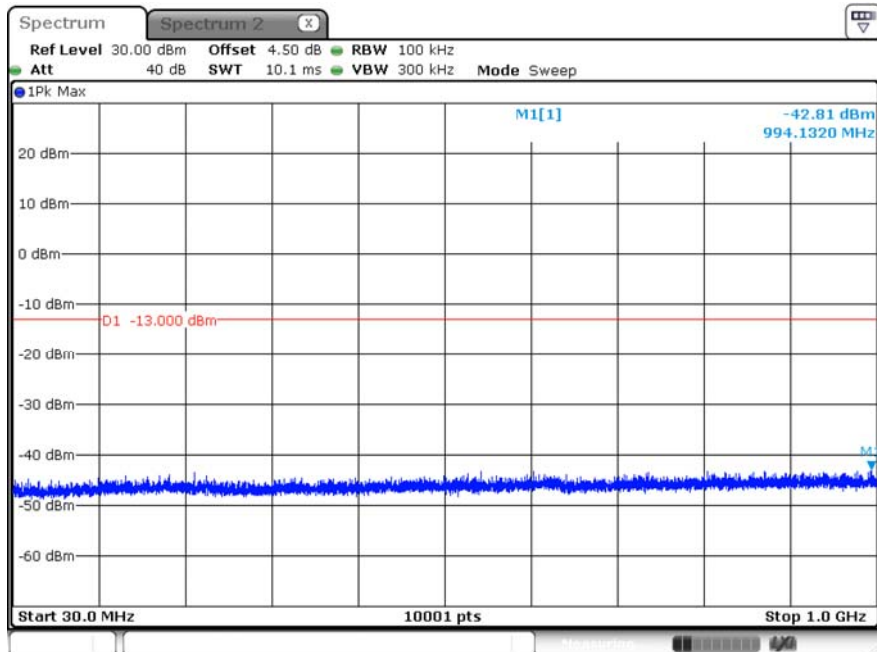
Date: 17 JUN 2020 09:44:50

### B2\_CH19175\_5M\_1RB\_\_QPSK\_Above 1G



Date: 17 JUN 2020 09:46:49

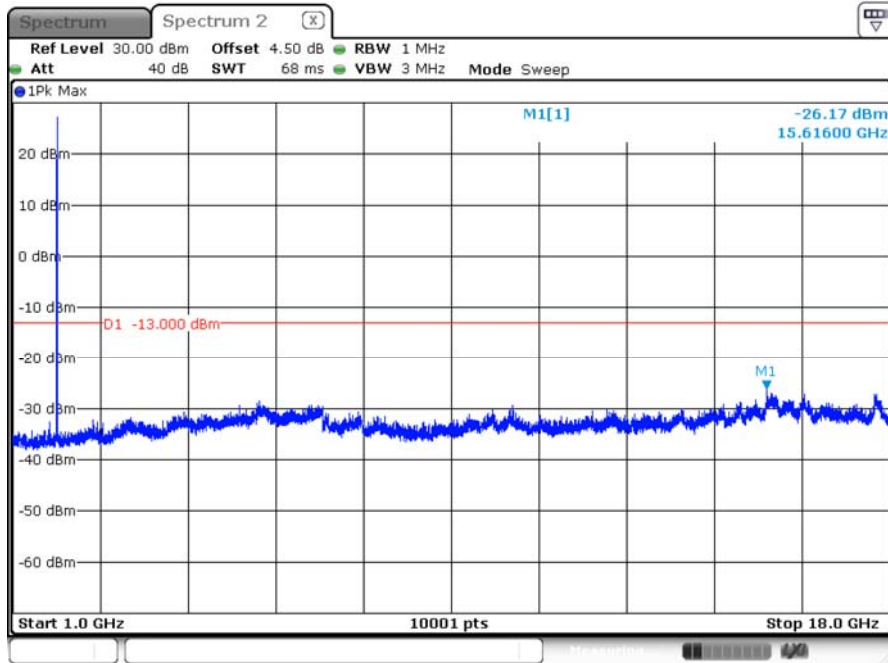
### B2\_CH19175\_5M\_1RB\_\_QPSK\_Below 1G



Date: 17 JUN 2020 09:46:04

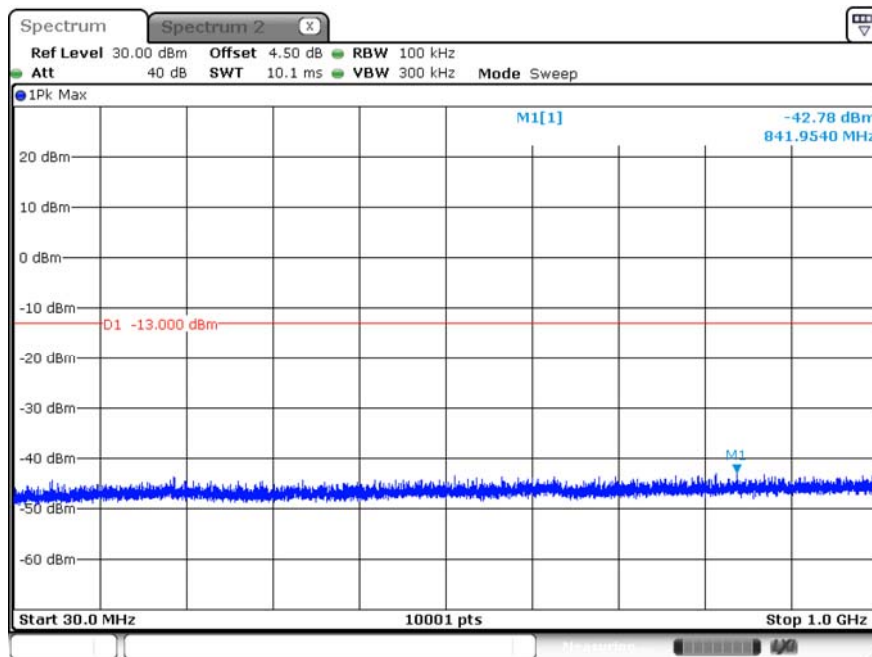


### B2\_CH18650\_10M\_1RB\_\_QPSK\_Above 1G



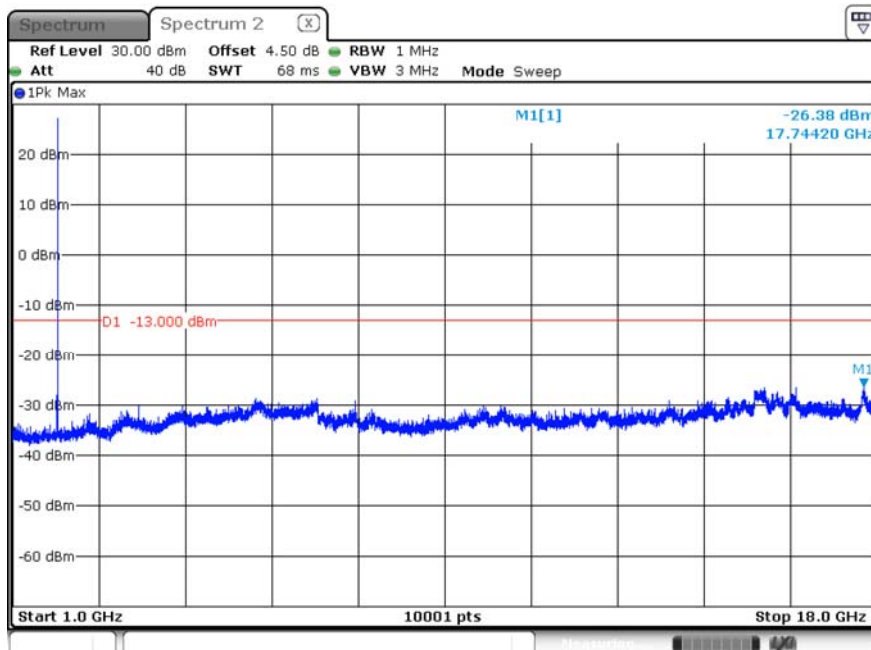
Date: 17 JUN 2020 09:47:40

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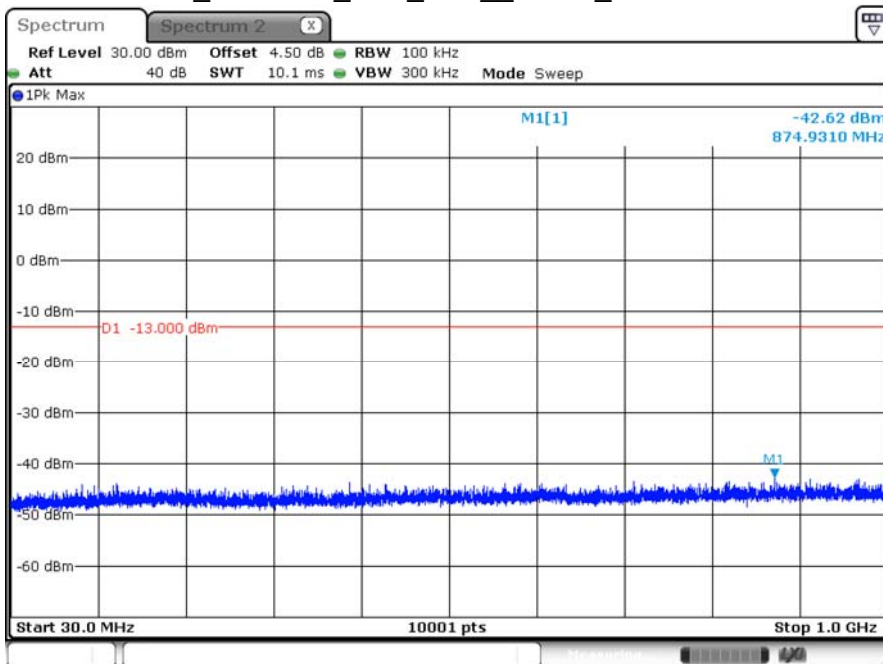
Date: 17 JUN 2020 09:48:19

### B2\_CH18900\_10M\_1RB\_\_QPSK\_Above 1G



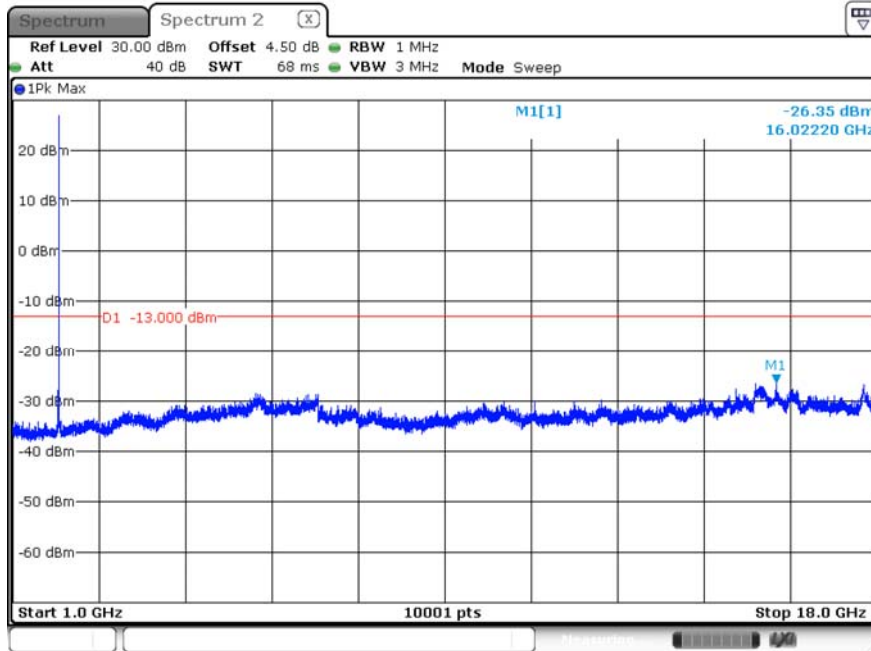
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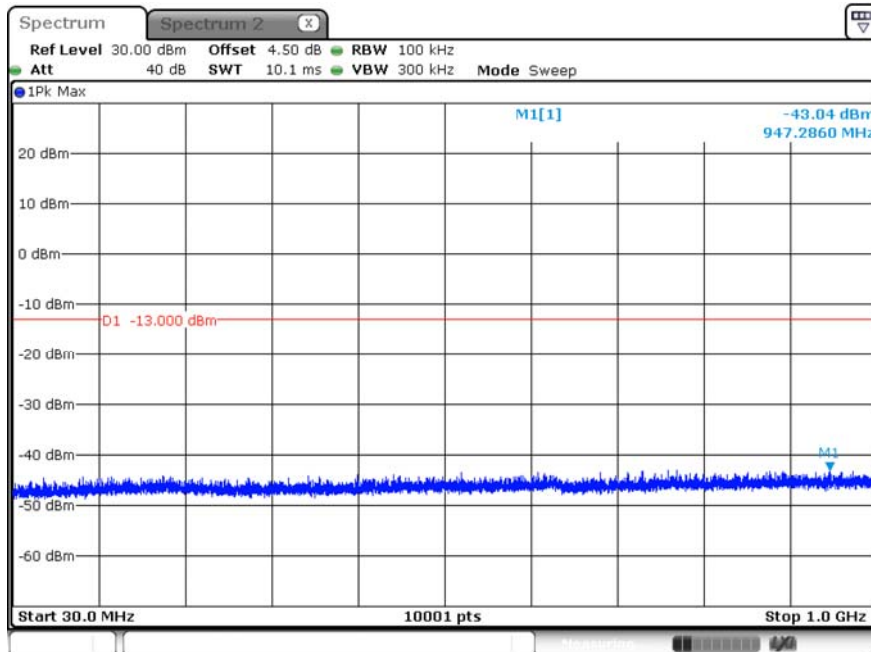
Date: 17 JUN 2020 09:48:53

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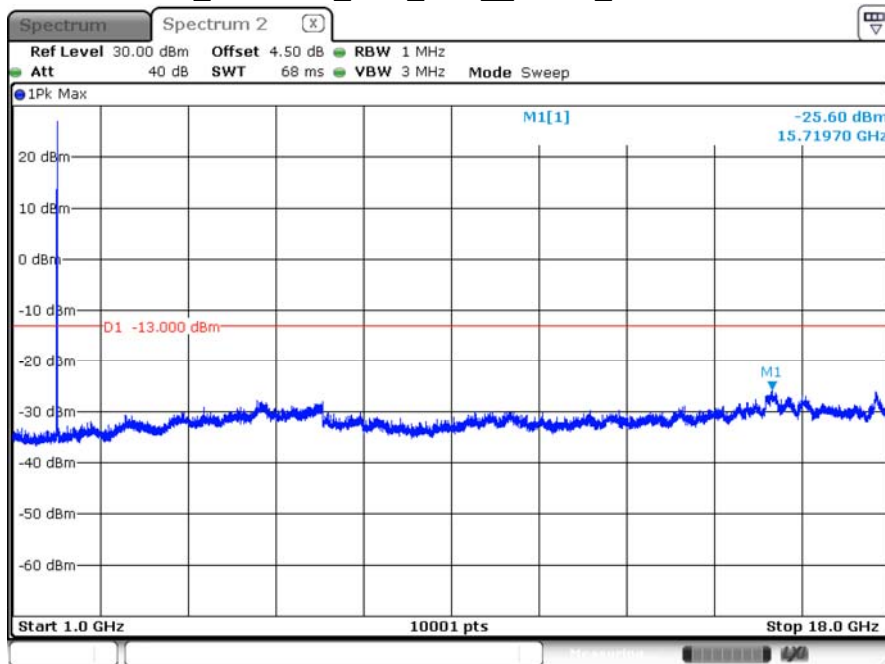
Date: 17 JUN 2020 09:50:19

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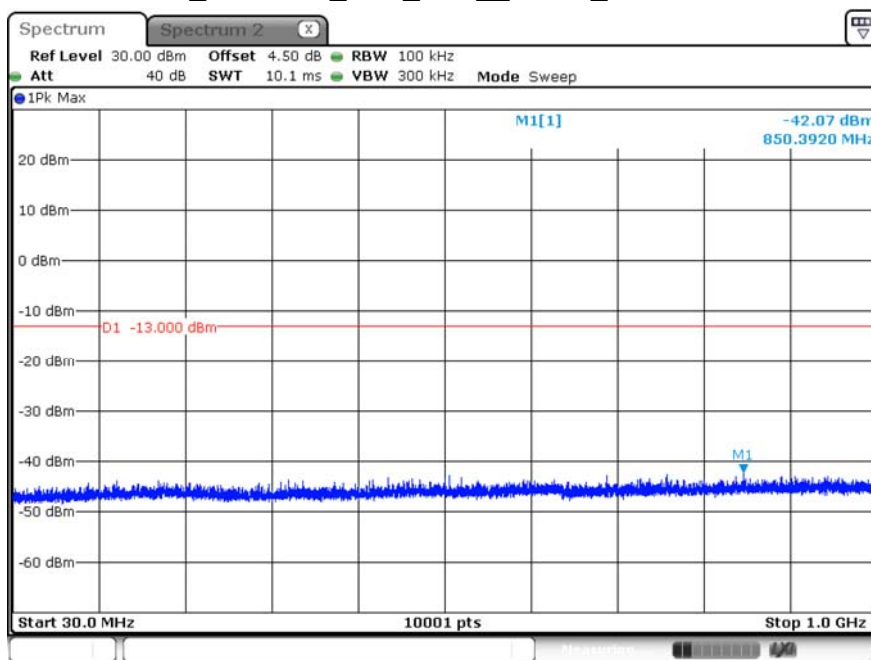
Date: 17 JUN 2020 09:51:34

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Date: 17 JUN 2020 09:56:55

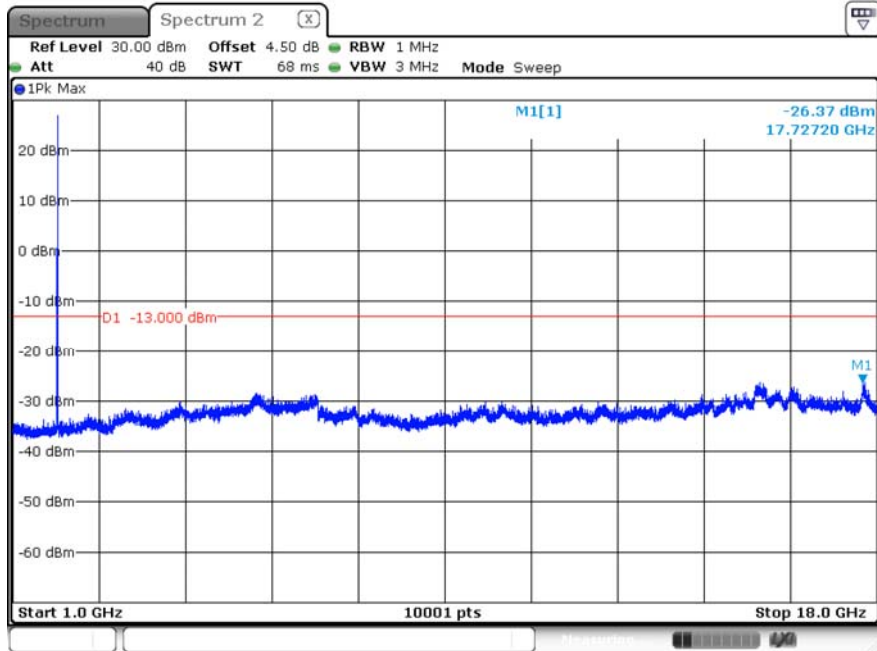
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Date: 17 JUN 2020 09:53:06

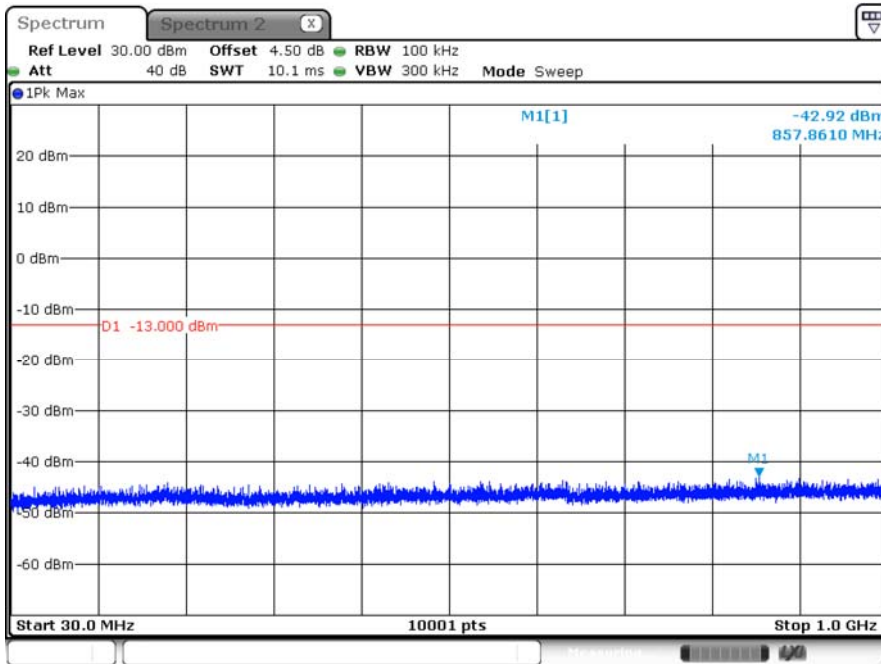


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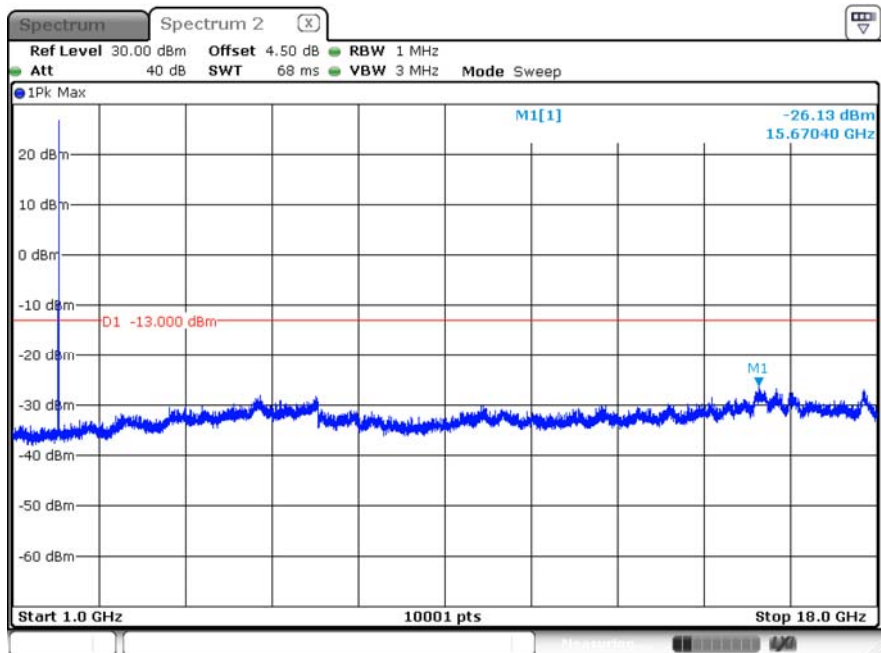
Date: 17 JUN 2020 09:57:55

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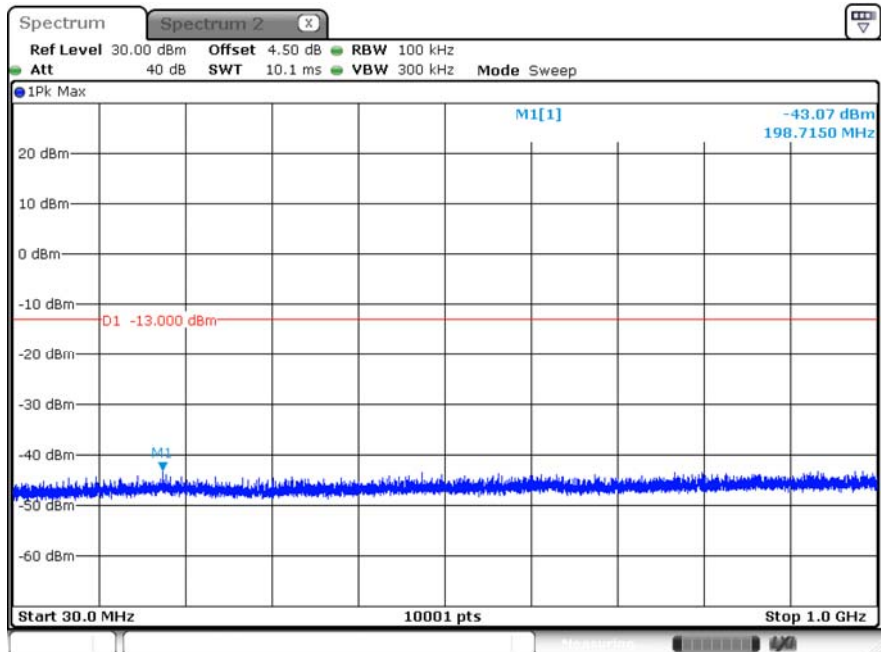
Date: 17 JUN 2020 09:58:24

### B2\_CH19125\_15M\_1RB\_\_QPSK\_Above 1G



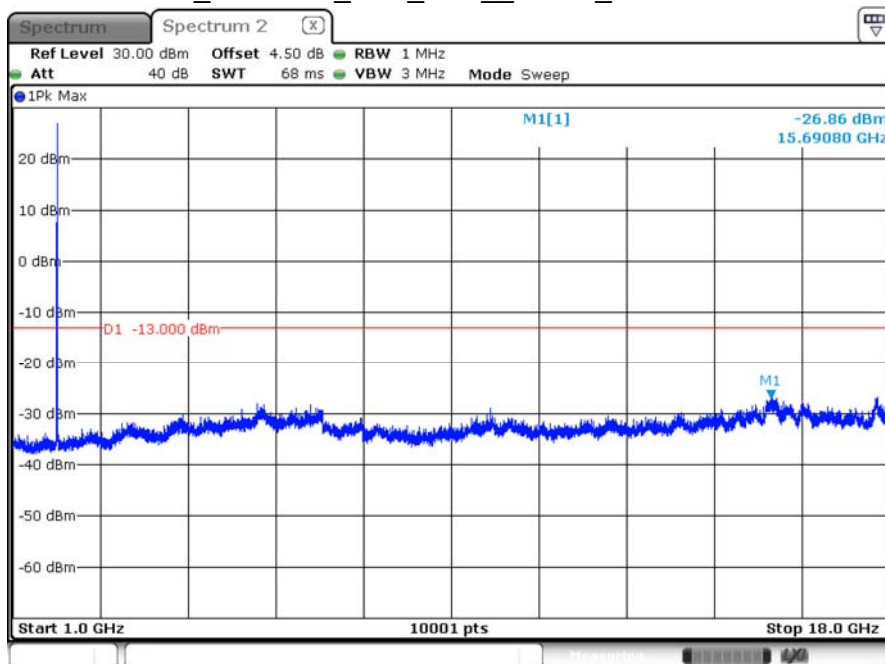
Date: 17 JUN 2020 09:59:56

### B2\_CH19125\_15M\_1RB\_\_QPSK\_Below 1G



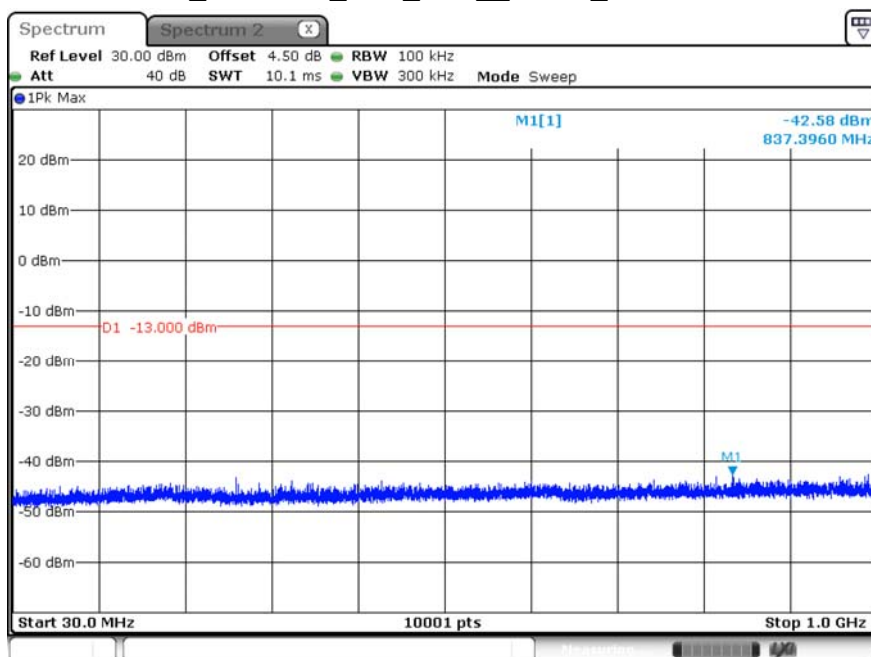
Date: 17 JUN 2020 09:59:08

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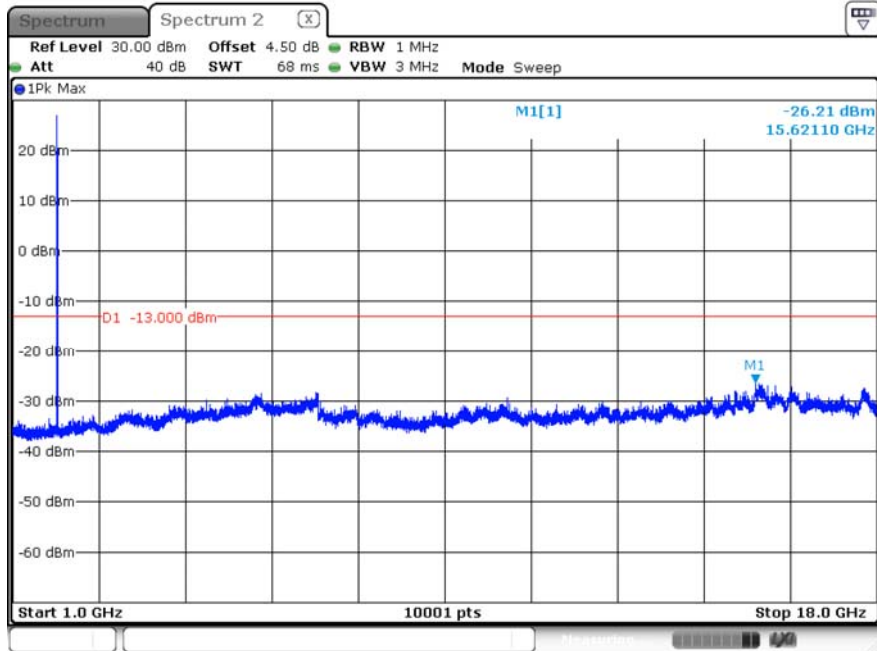
Date: 17 JUN 2020 10:00:48

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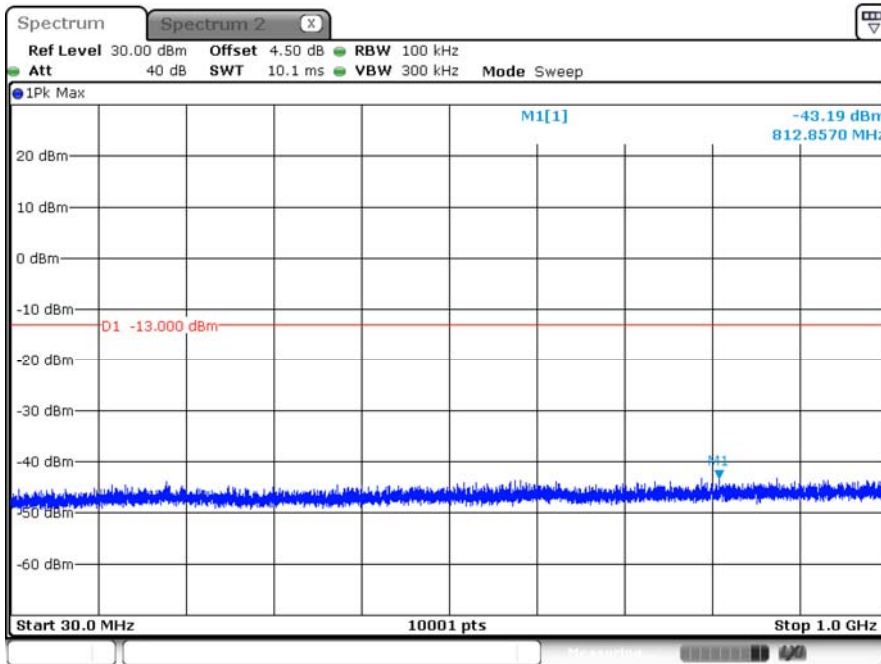
Date: 17 JUN 2020 10:01:28

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Date: 17 JUN 2020 10:02:42

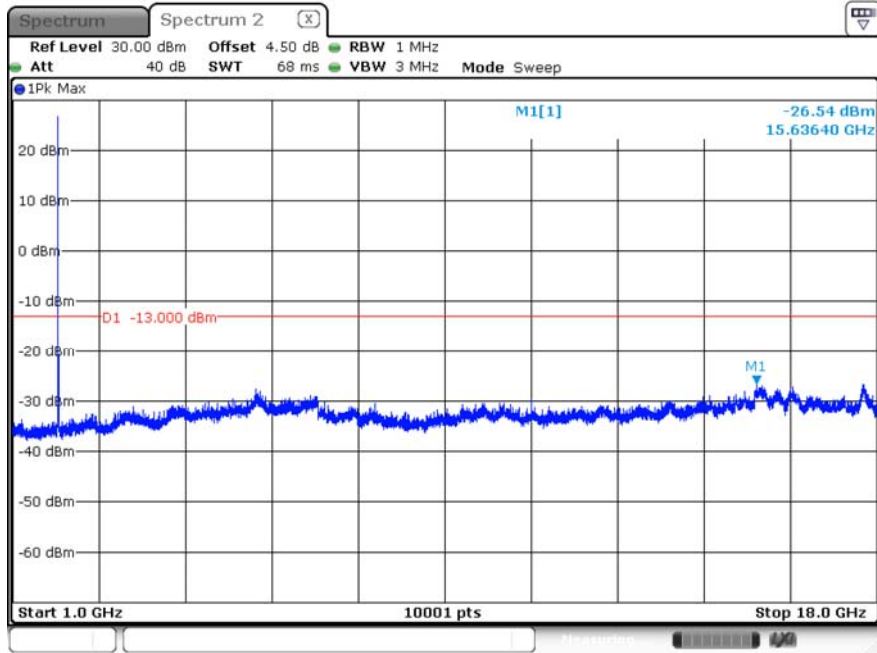
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Date: 17 JUN 2020 10:01:58

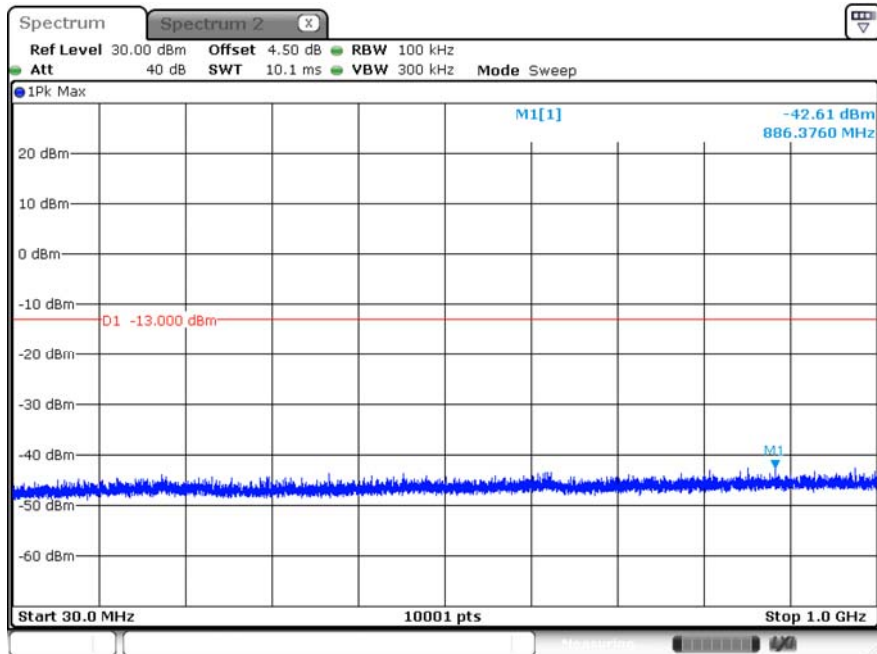


### B2\_CH19100\_20M\_1RB\_\_QPSK\_Above 1G



Date: 17 JUN 2020 10:03:37

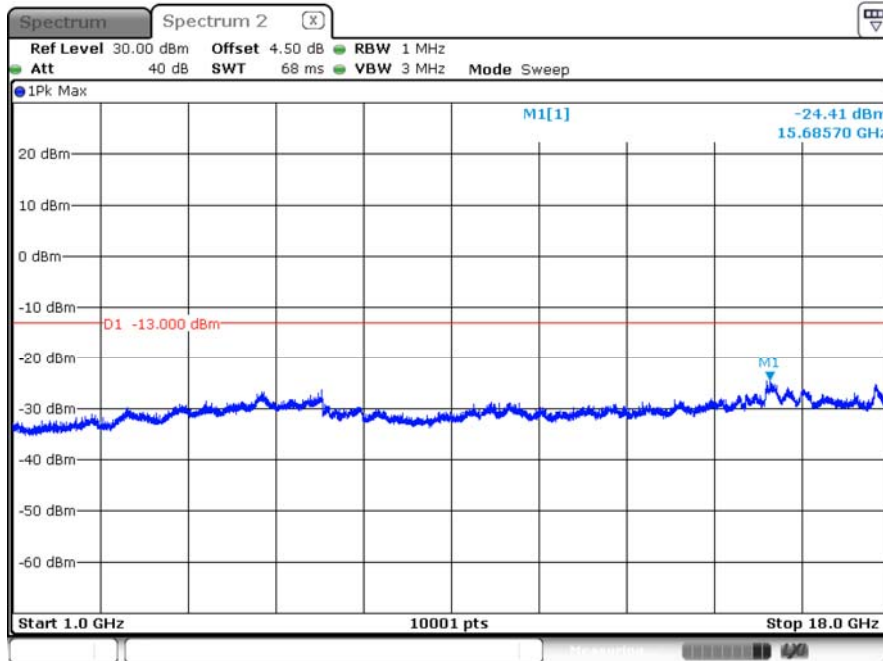
### B2\_CH19100\_20M\_1RB\_\_QPSK\_Below 1G



Date: 17 JUN 2020 10:04:19

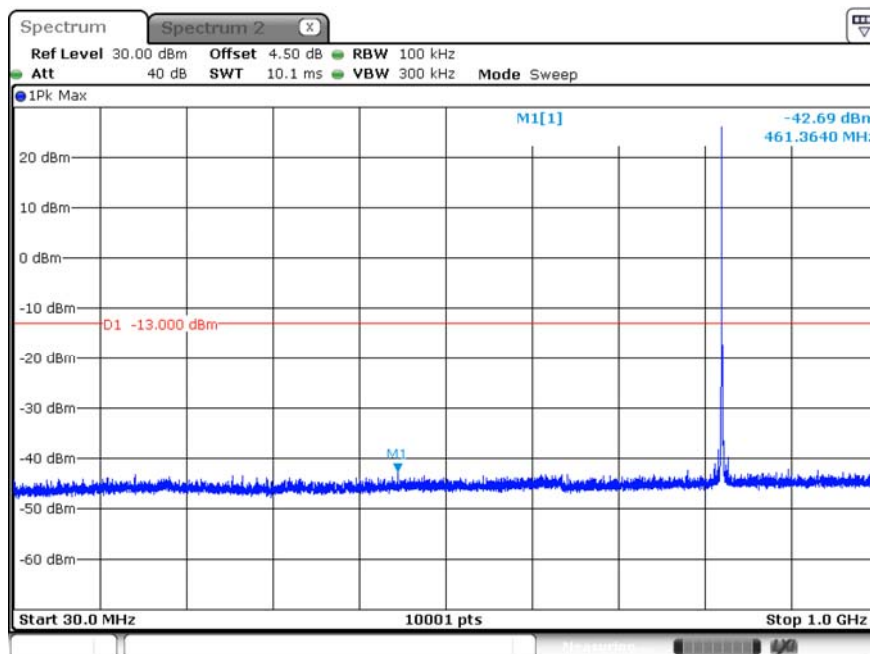
Product	LV55		
Test Item	Spurious Emissions		
Test Mode	Mode 2: LTE Band 5		
Date of Test	2020/06/17	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	60

B5\_CH20407\_1.4M\_1RB\_QPSK\_Above 1G



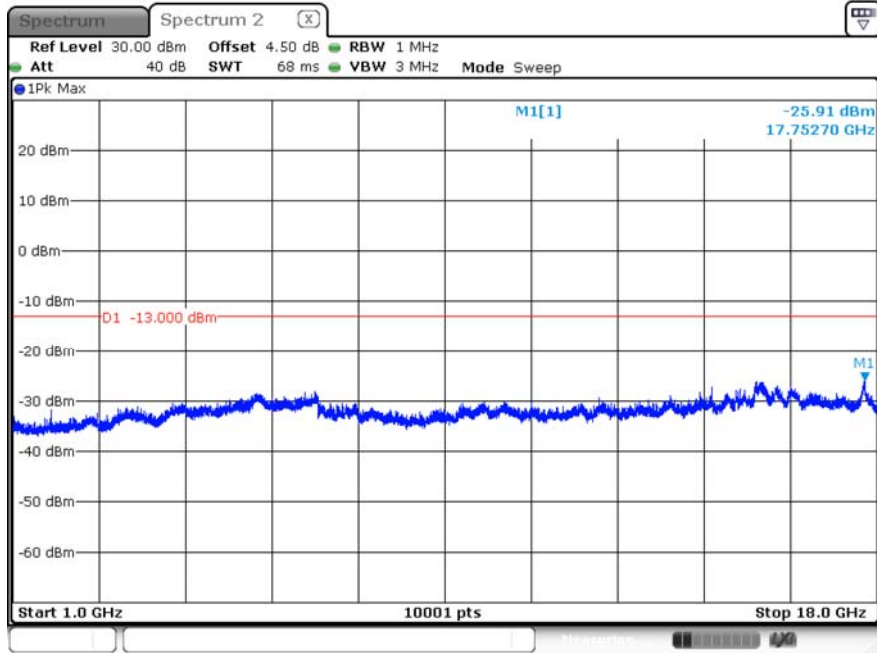
Date: 17 JUN.2020 13:18:55

B5\_CH20407\_1.4M\_1RB\_QPSK\_Below 1G



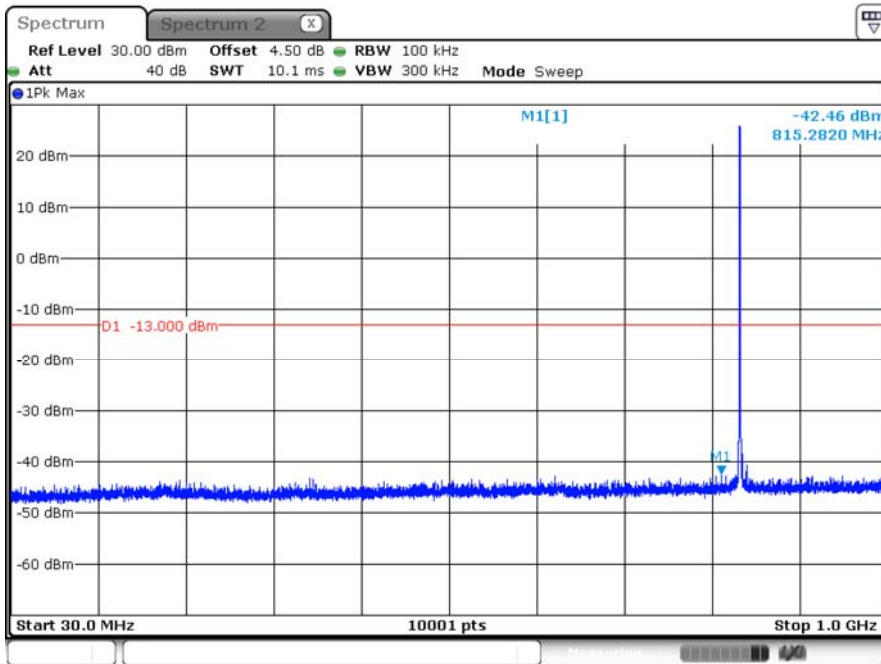
Date: 17 JUN.2020 13:22:23

### B5\_CH20525\_1.4M\_1RB\_\_QPSK\_Above 1G



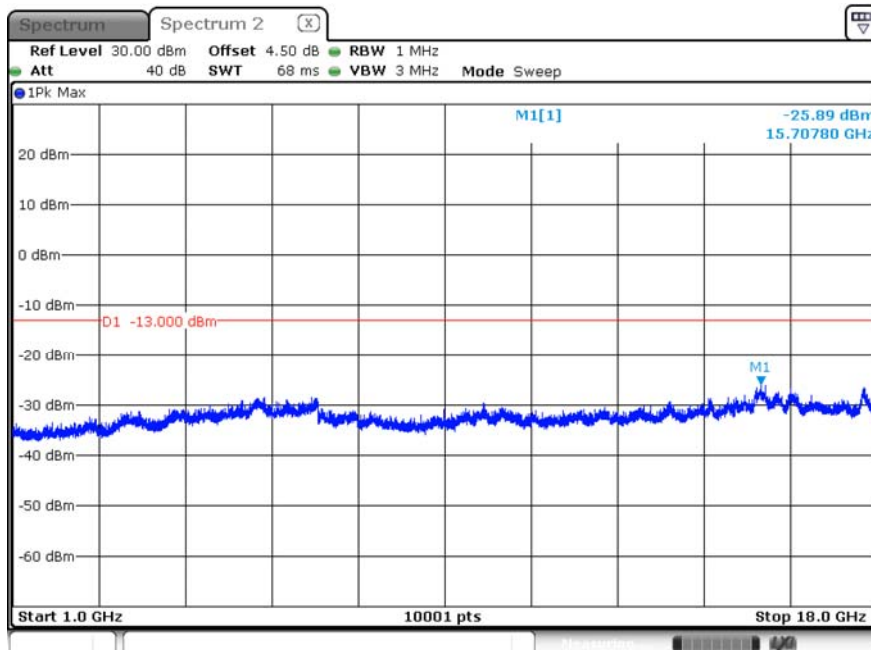
Date: 17 JUN 2020 13:28:28

### B5\_CH20525\_1.4M\_1RB\_\_QPSK\_Below 1G



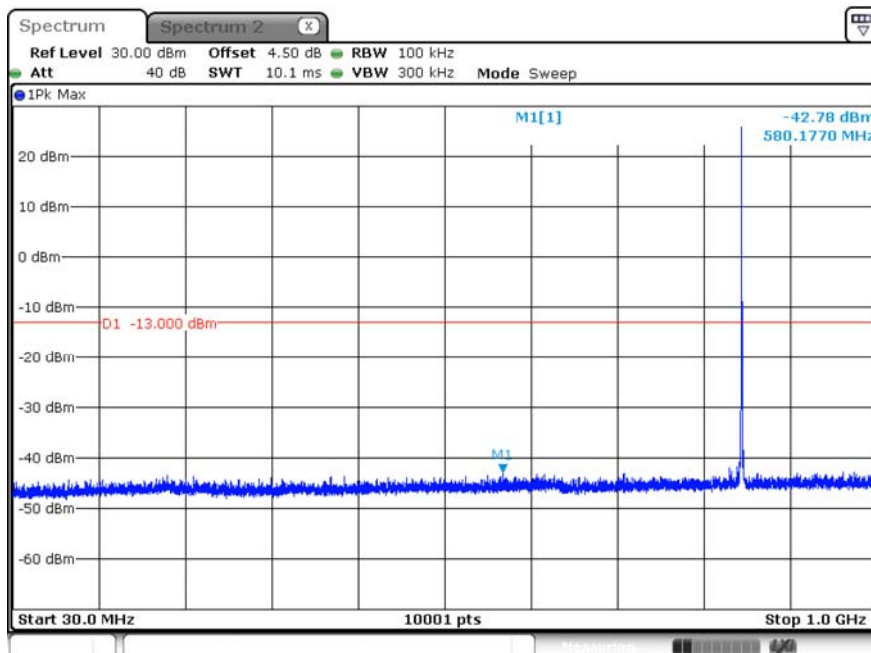
Date: 17 JUN 2020 13:26:16

### B5\_CH20643\_1.4M\_1RB\_\_QPSK\_Above 1G



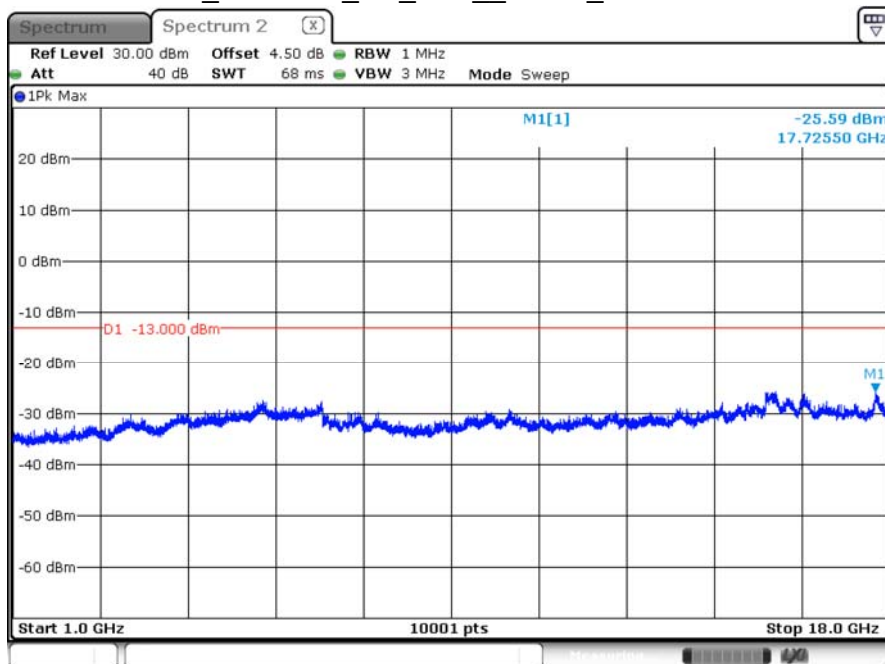
Date: 17.JUN.2020 13:29:49

### B5\_CH20643\_1.4M\_1RB\_\_QPSK\_Below 1G



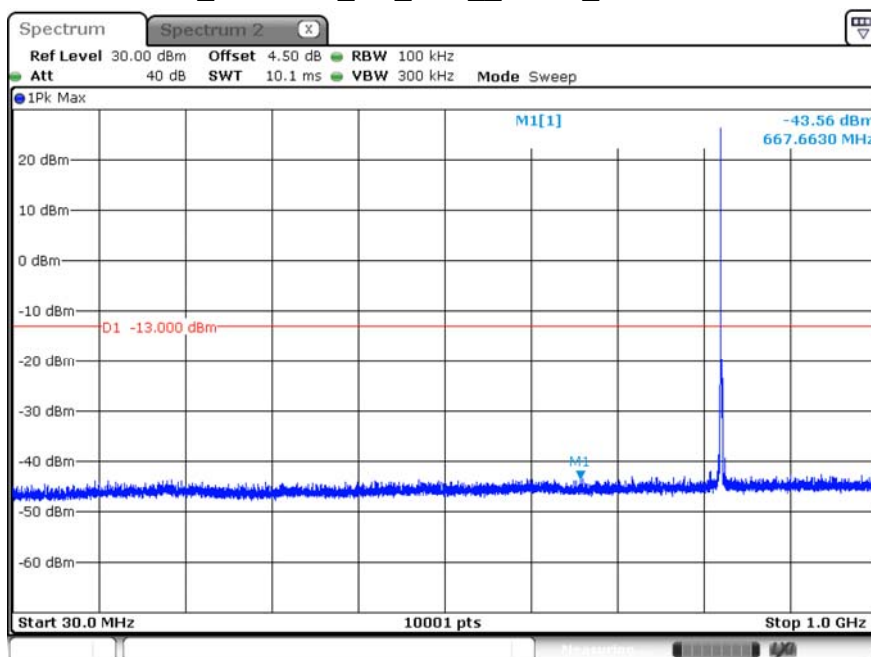
Date: 17.JUN.2020 13:31:42

### B5\_CH20415\_3M\_1RB\_\_QPSK\_Above 1G



Date: 17.JUN.2020 13:42:29

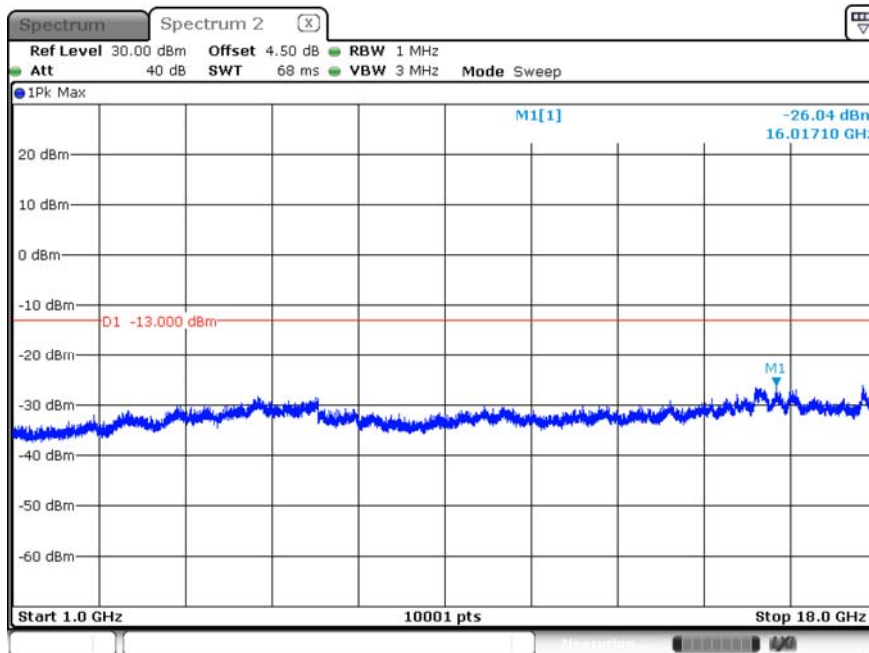
### B5\_CH20415\_3M\_1RB\_\_QPSK\_Below 1G



Date: 17.JUN.2020 13:34:39

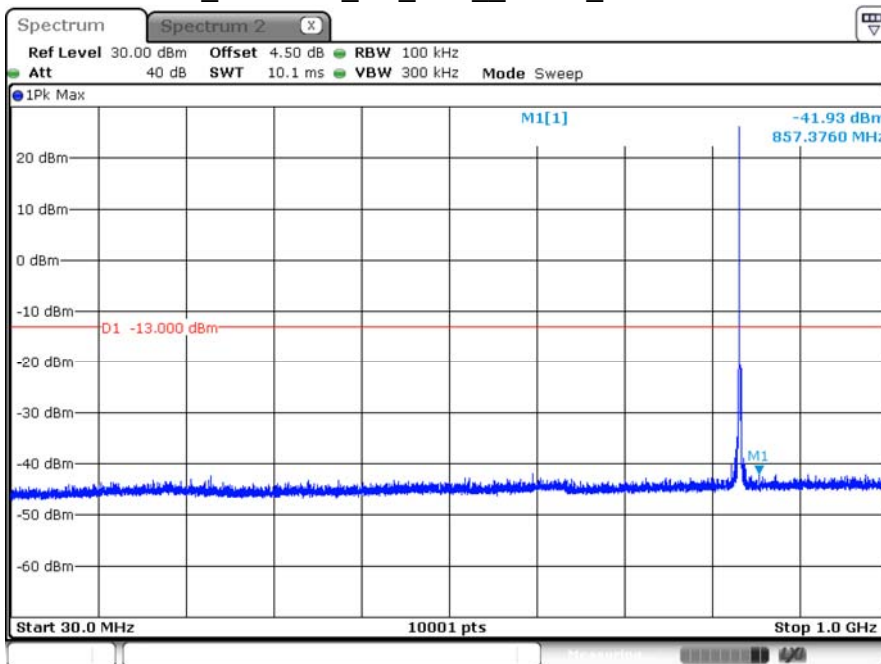


### B5\_CH20525\_3M\_1RB\_\_QPSK\_Above 1G



Date: 17 JUN 2020 13:43:56

### B5\_CH20525\_3M\_1RB\_\_QPSK\_Below 1G



Date: 17 JUN 2020 13:54:47