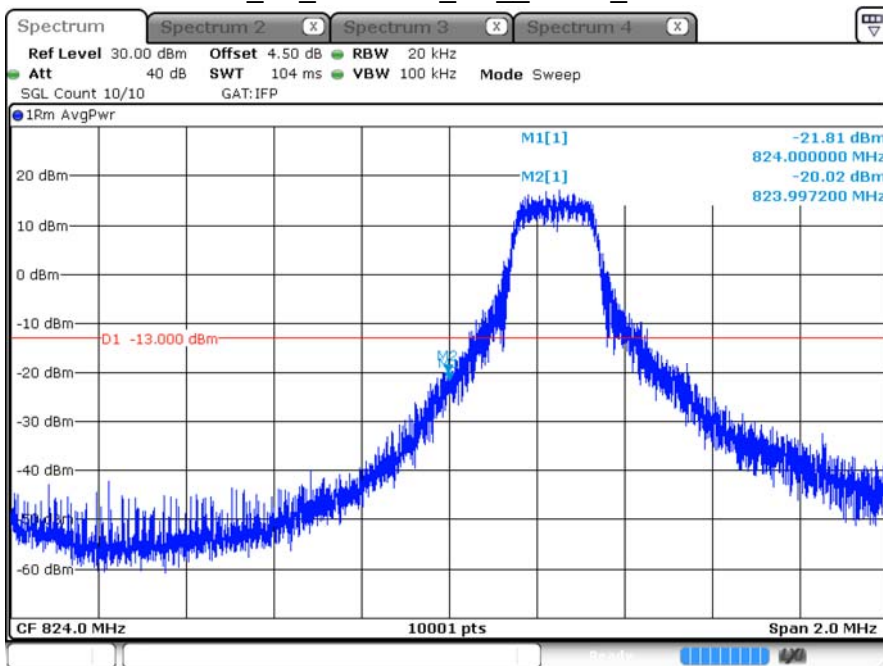
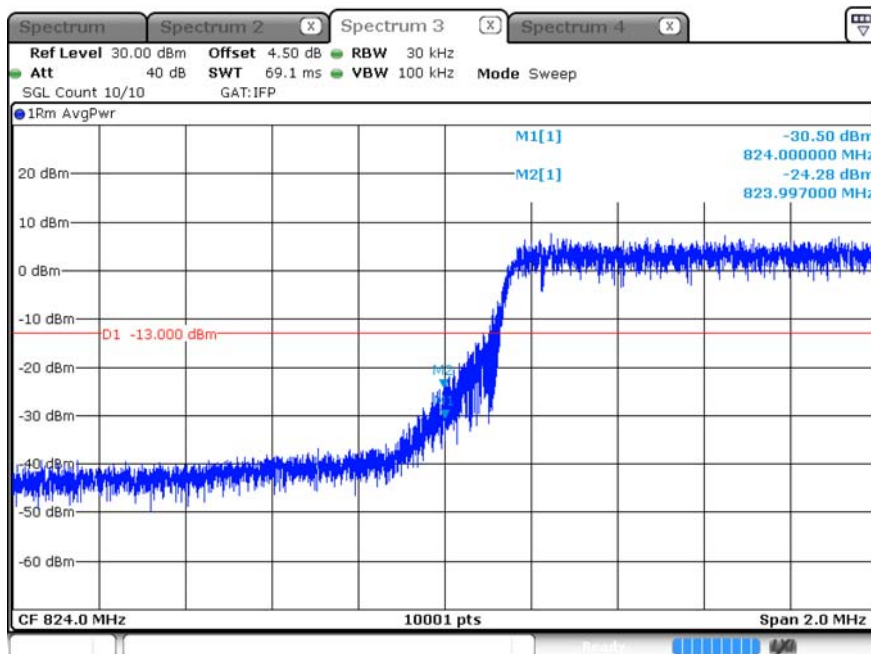


LTE_B5_CH20415_3M_QPSK_1RB0



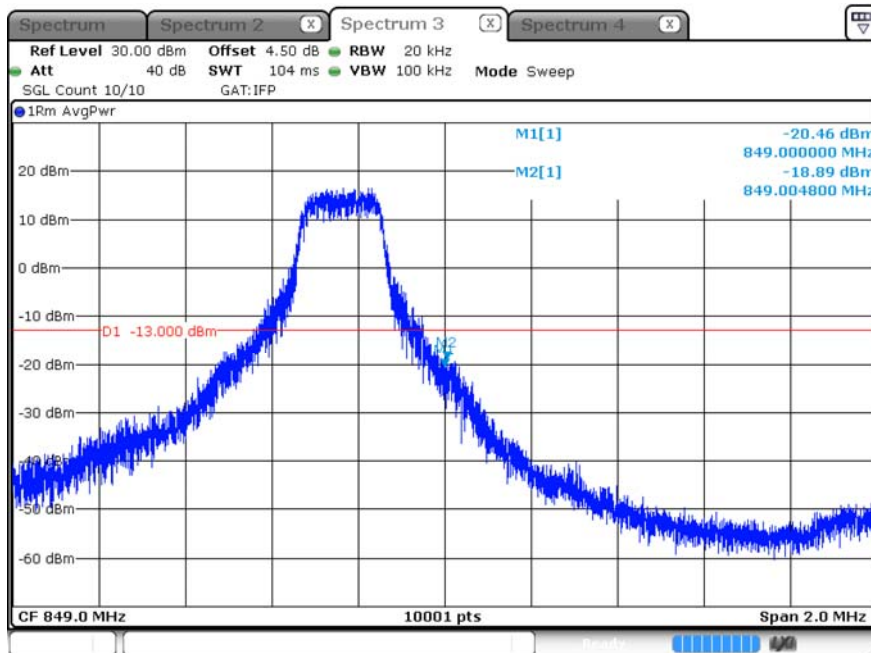
Date: 19 JUN 2020 10:03:57

LTE_B5_CH20415_3M_QPSK_15RB0



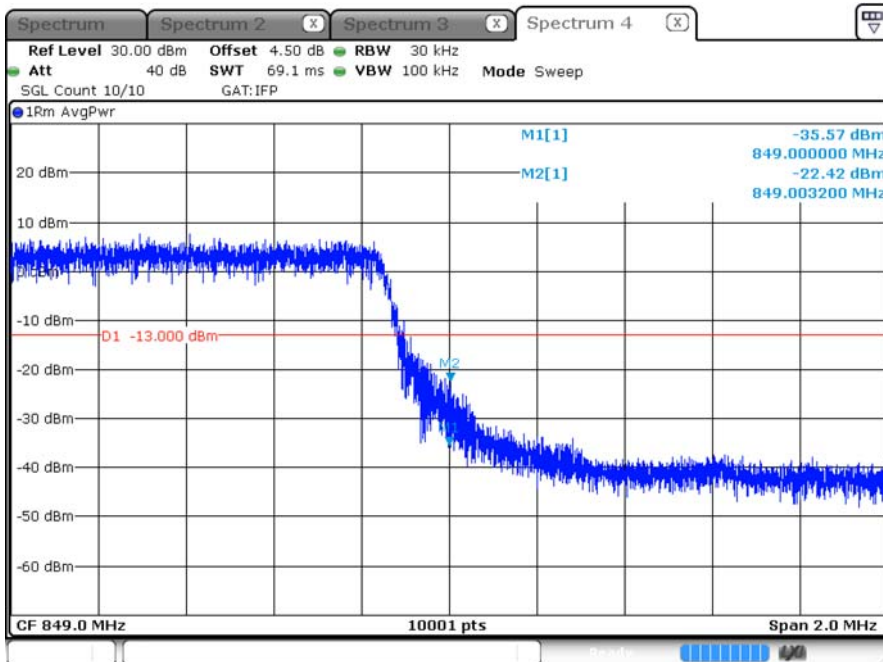
Date: 15 JUN 2020 15:38:02

LTE_B5_CH20635_3M_QPSK_1RB14



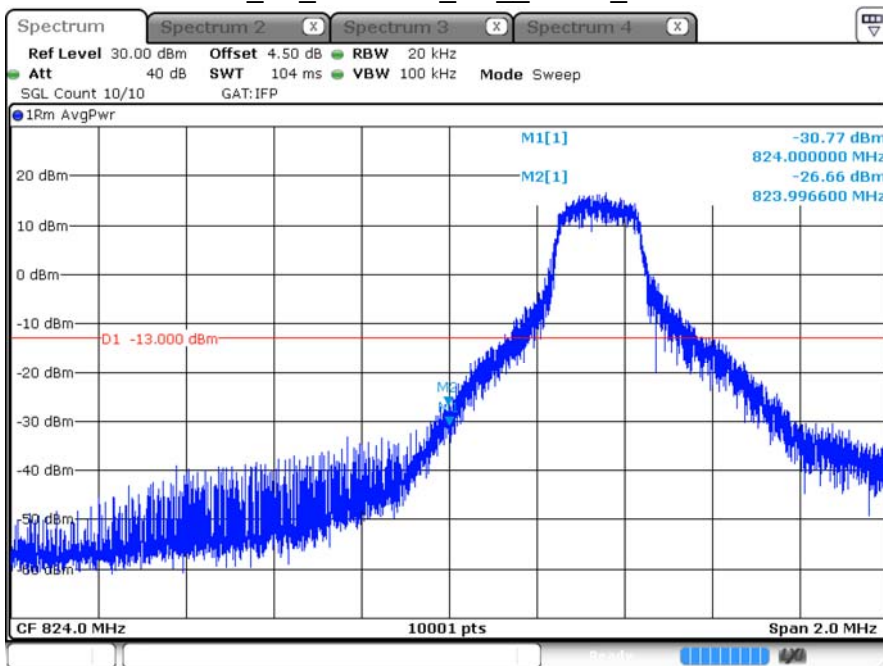
Date: 19 JUN 2020 10:02:14

LTE_B5_CH20635_3M_QPSK_15RB0



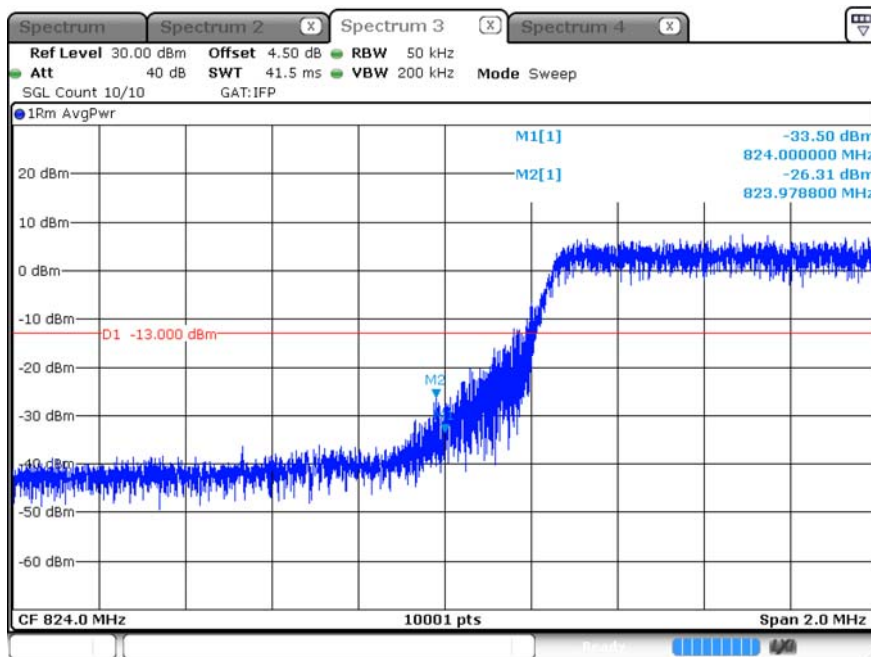
Date: 15 JUN 2020 15:38:33

LTE_B5_CH20425_5M_QPSK_1RB0



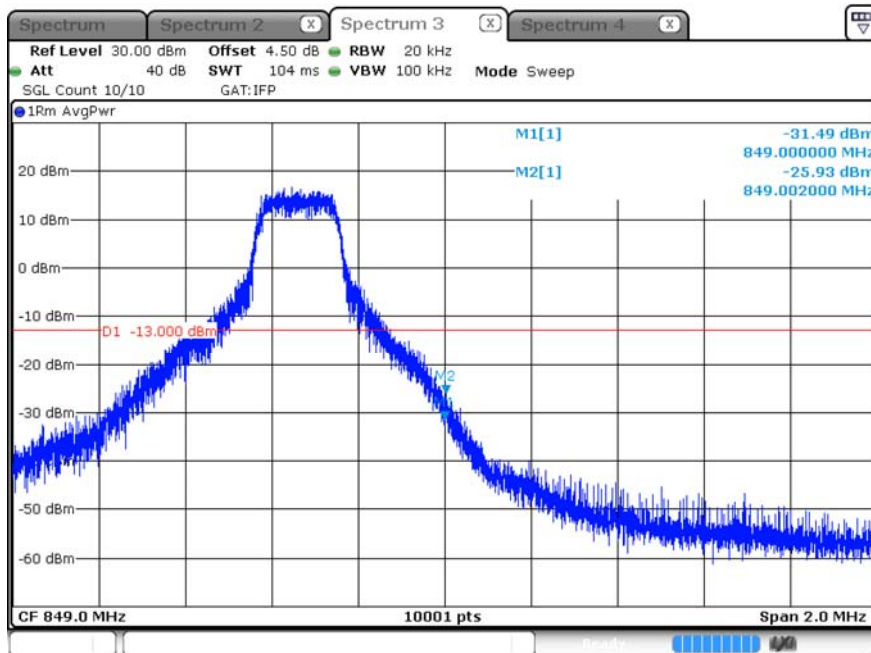
Date: 19 JUN 2020 10:12:16

LTE_B5_CH20425_5M_QPSK_25RB0



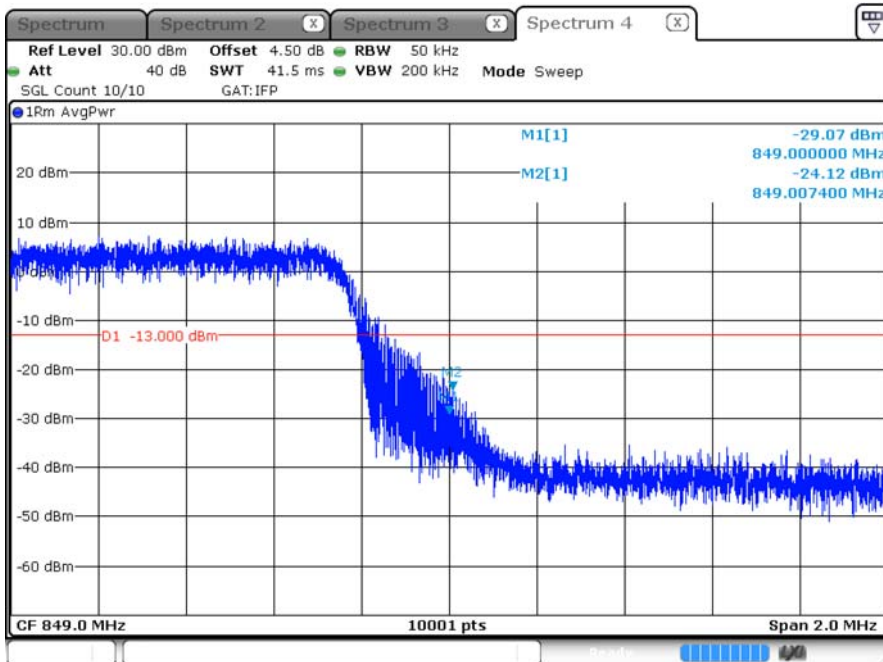
Date: 15 JUN 2020 15:50:59

LTE_B5_CH20625_5M_QPSK_1RB24



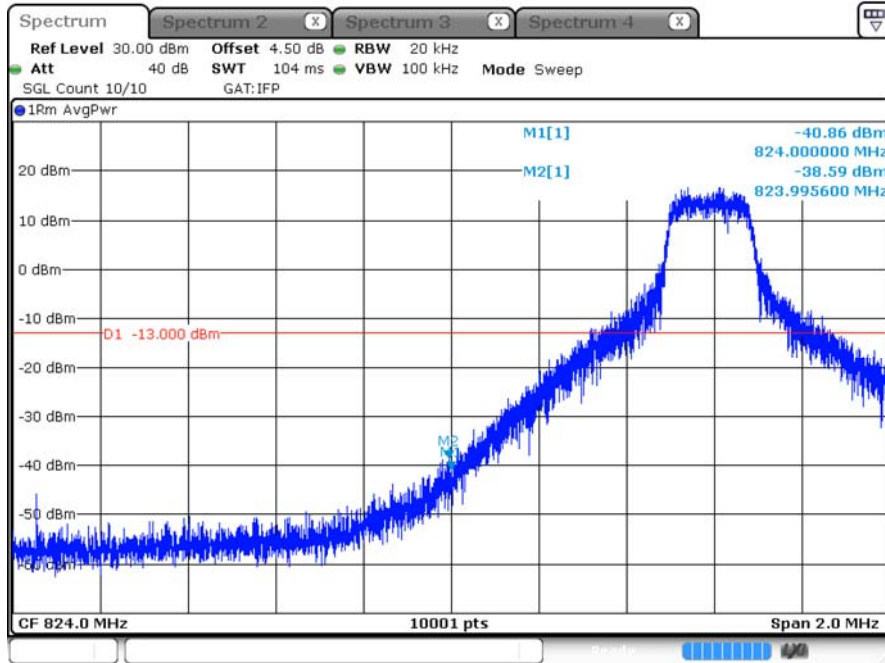
Date: 19 JUN 2020 10:14:04

LTE_B5_CH20625_5M_QPSK_25RB0



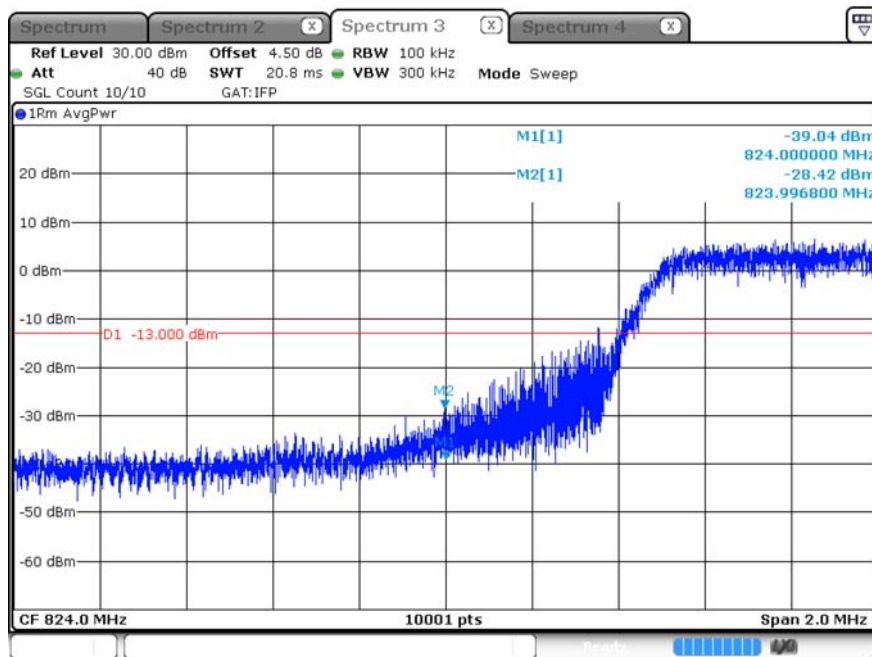
Date: 15 JUN 2020 15:51:23

LTE_B5_CH20450_10M_QPSK_1RB0



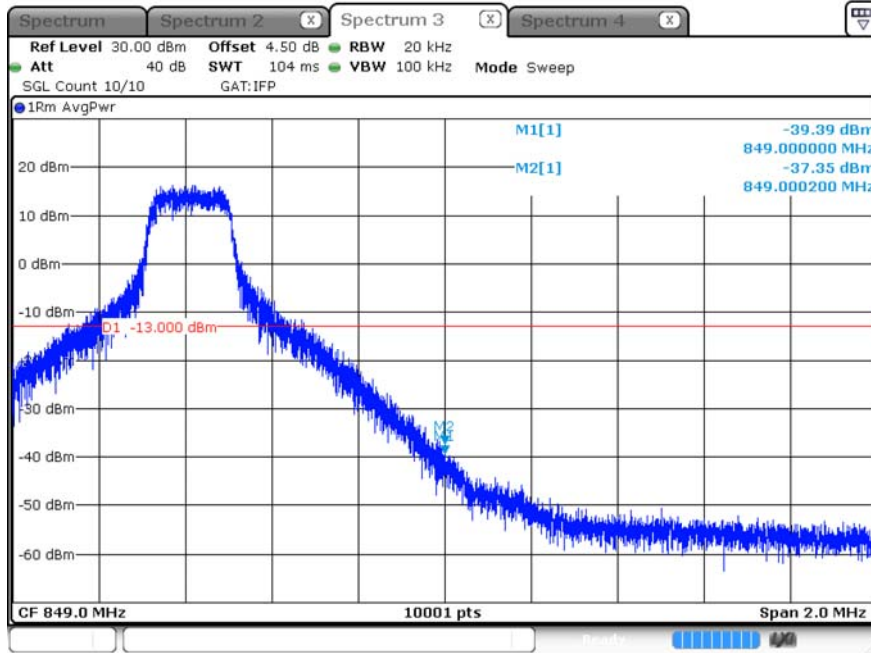
Date: 19 JUN 2020 10:18:48

LTE_B5_CH20450_10M_QPSK_50RB0



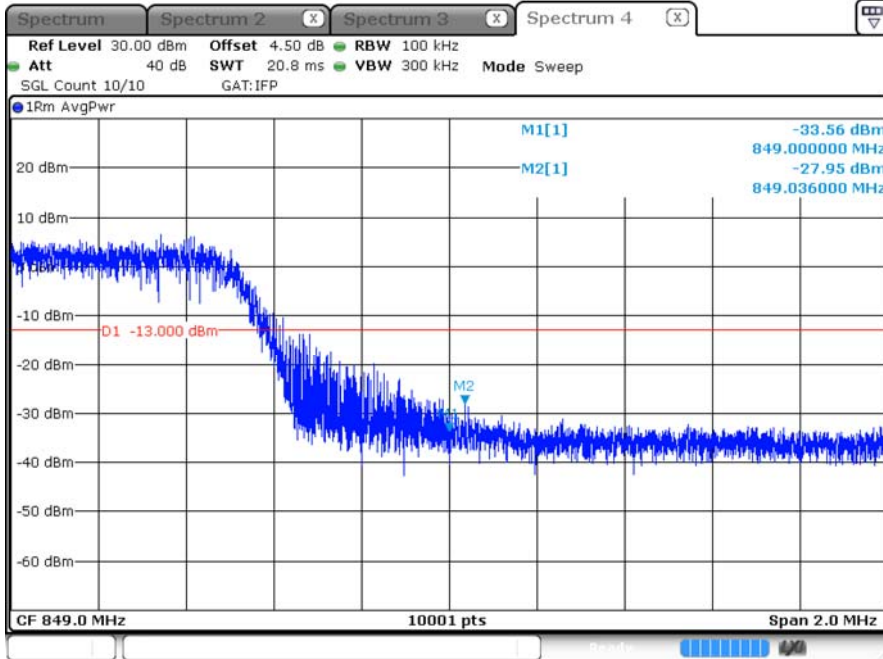
Date: 15 JUN 2020 15:59:44

LTE_B5_CH20600_10M_QPSK_1RB49



Date: 19 JUN 2020 10:17:08

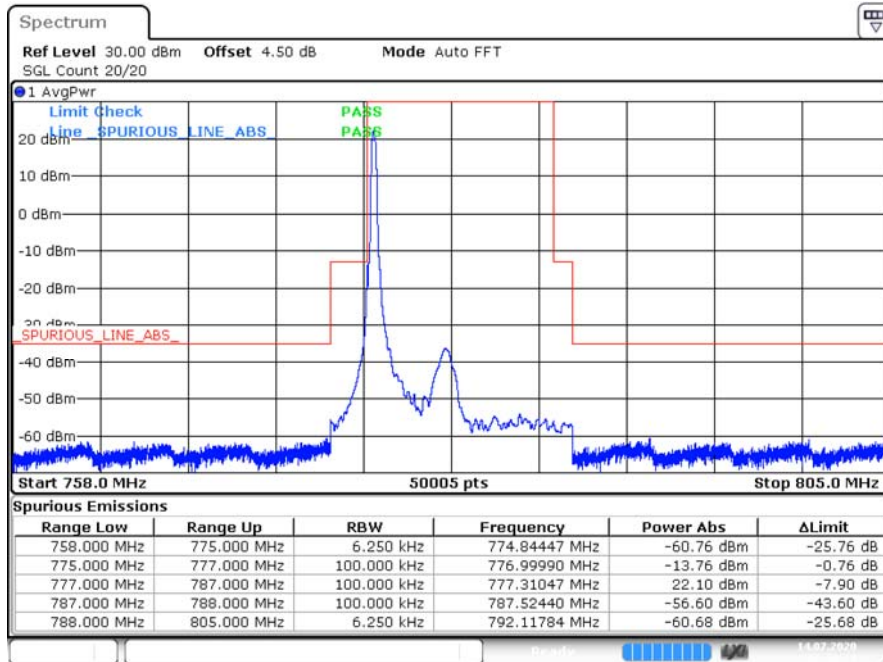
LTE_B5_CH20600_10M_QPSK_50RB0



Date: 15 JUN 2020 16:00:03

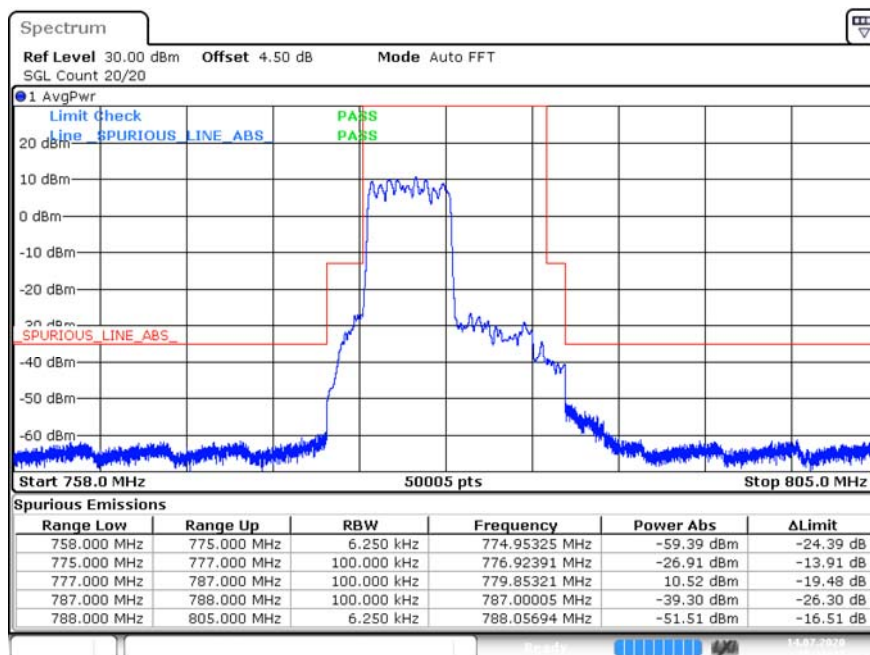
Product	LV55		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 3: LTE Band 13		
Date of Test	2020/07/14	Test Site	SR12-H
Temperature (°C)	25	Humidity (%RH)	61

LTE_B13_CH23205_5M_QPSK__1RB0



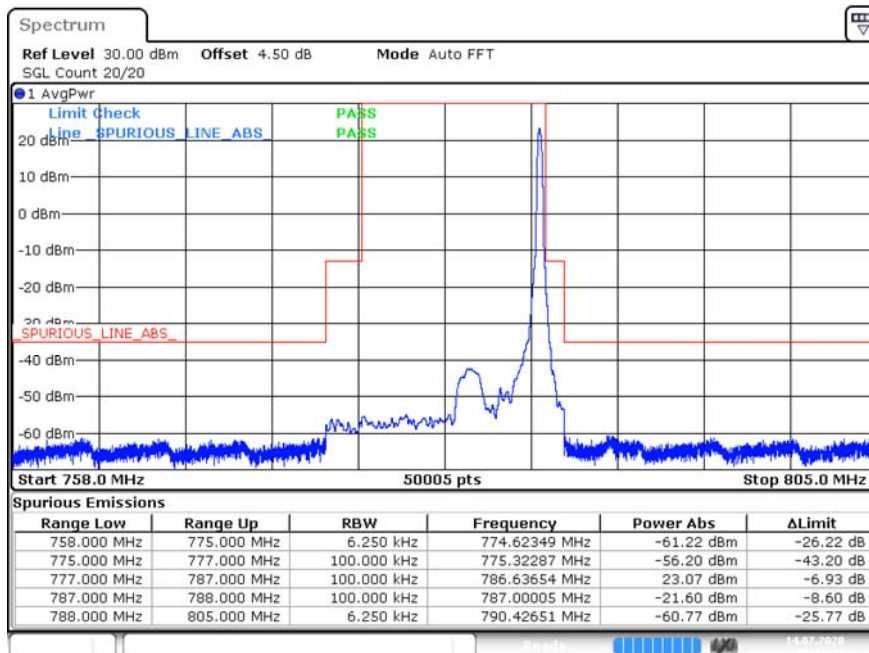
Date: 14 JUL 2020 18:12:19

LTE_B13_CH23205_5M_QPSK__25RB0



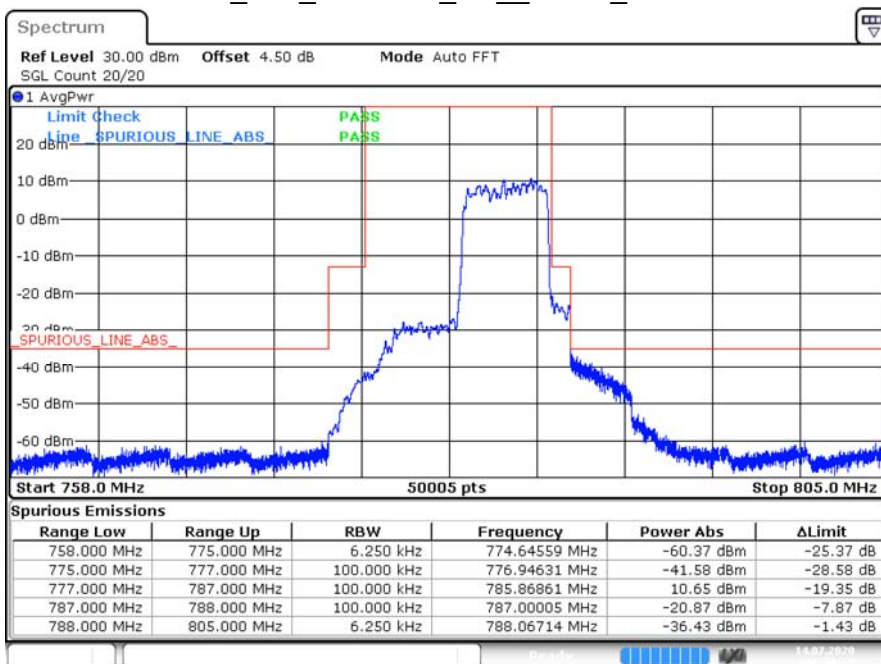
Date: 14 JUL 2020 18:16:27

LTE_B13_CH23255_5M_QPSK_1RB24



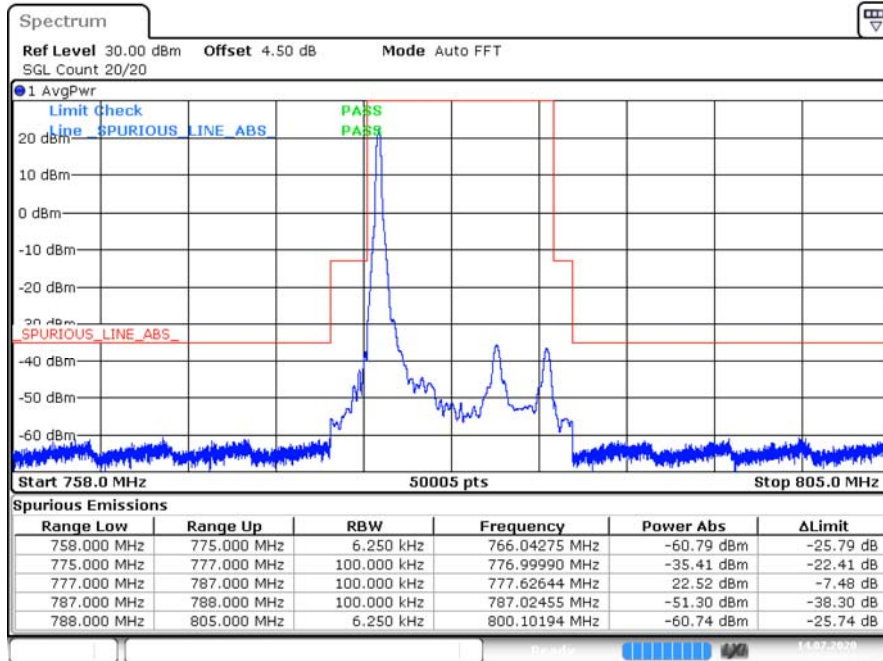
Date: 14.JUL.2020 18:14:13

LTE_B13_CH23255_5M_QPSK_25RB0



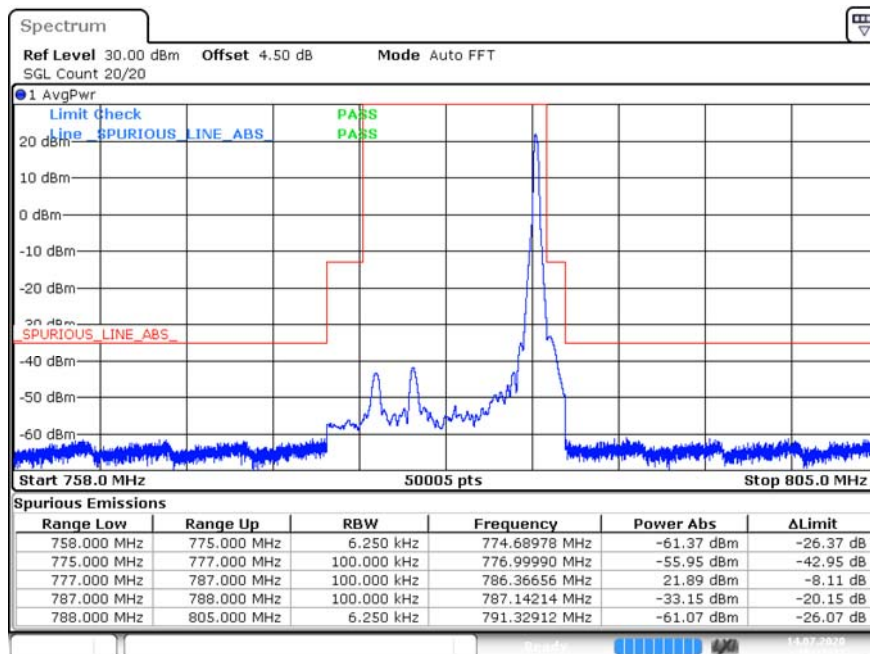
Date: 14.JUL.2020 18:15:32

LTE_B13_CH23230_10M_QPSK_1RB0



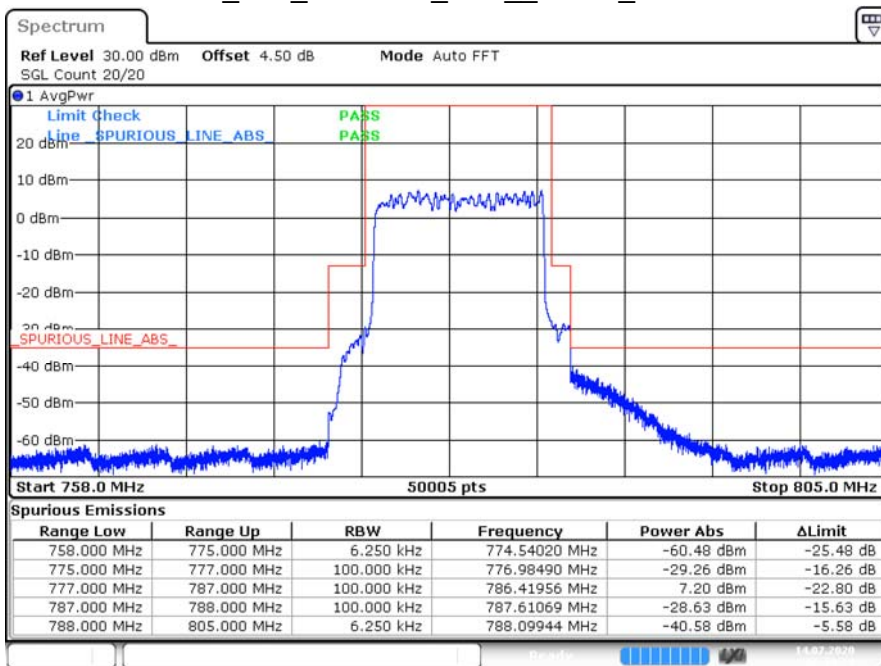
Date: 14 JUL 2020 18:20:52

LTE_B13_CH23230_10M_QPSK_1RB49



Date: 14 JUL 2020 18:21:37

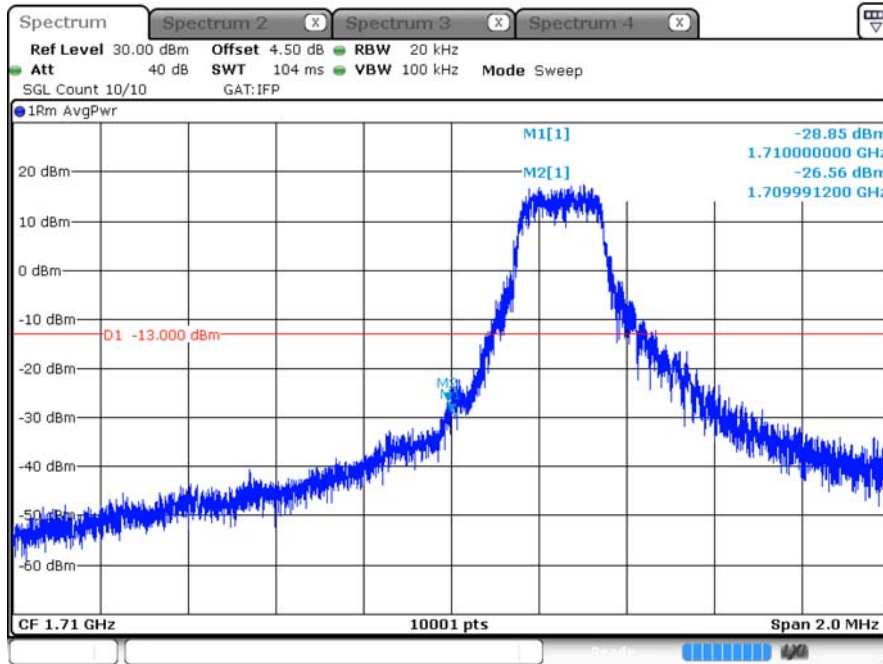
LTE_B13_CH23230_10M_QPSK_50RB0



Date: 14.JUL.2020 18:19:34

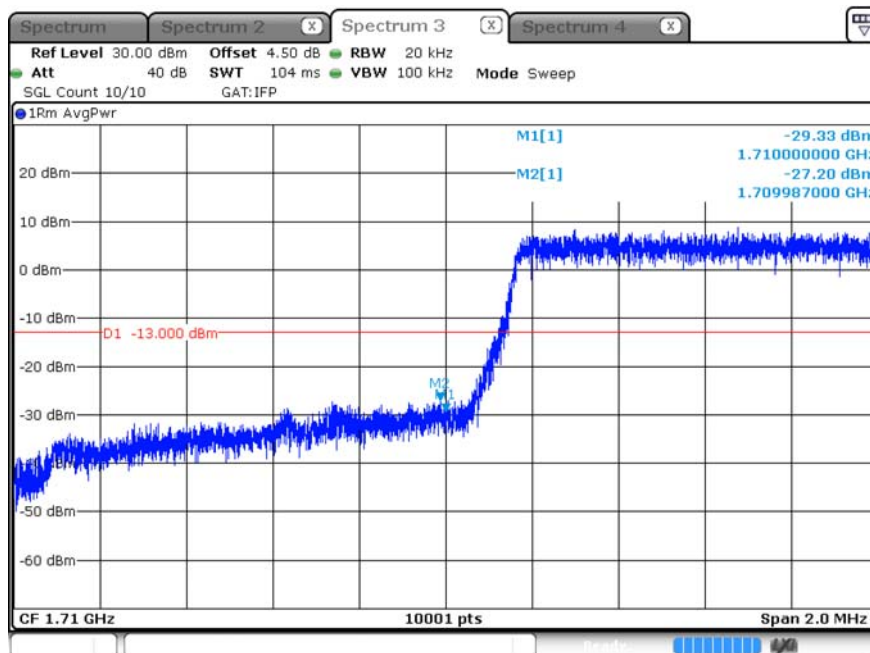
Product	LV55		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 4: LTE Band 66		
Date of Test	2020/06/15~2020/06/19	Test Site	SR12-H
Temperature (°C)	23.1	Humidity (%RH)	54

LTE_B66_CH131979_1.4M_QPSK_1RB0



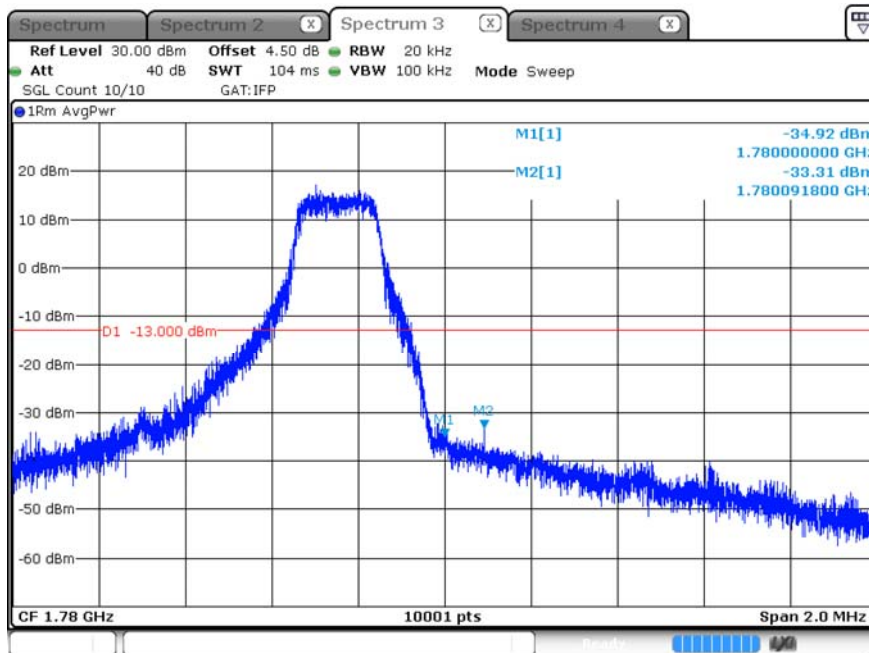
Date: 19 JUN 2020 10:45:31

LTE_B66_CH131979_1.4M_QPSK_6RB0



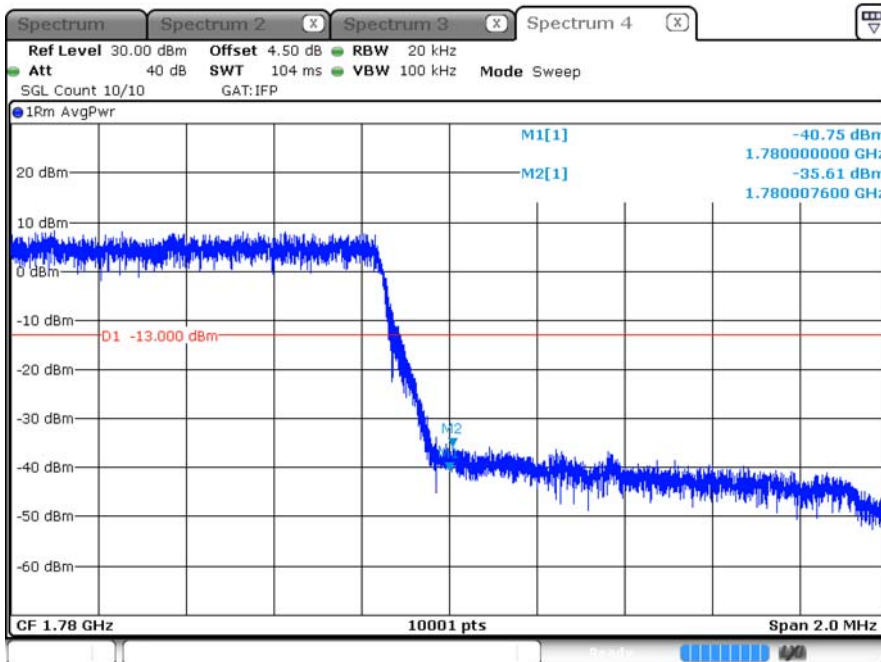
Date: 15 JUN 2020 16:08:55

LTE_B66_CH132665_1.4M_QPSK_1RB5



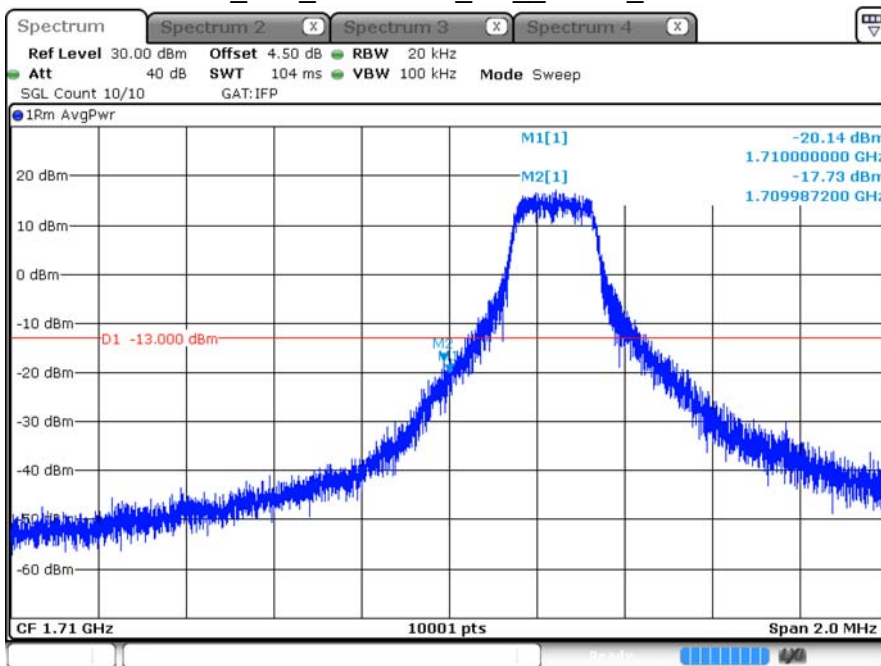
Date: 19 JUN 2020 10:47:22

LTE_B66_CH132665_1.4M_QPSK_6RB0



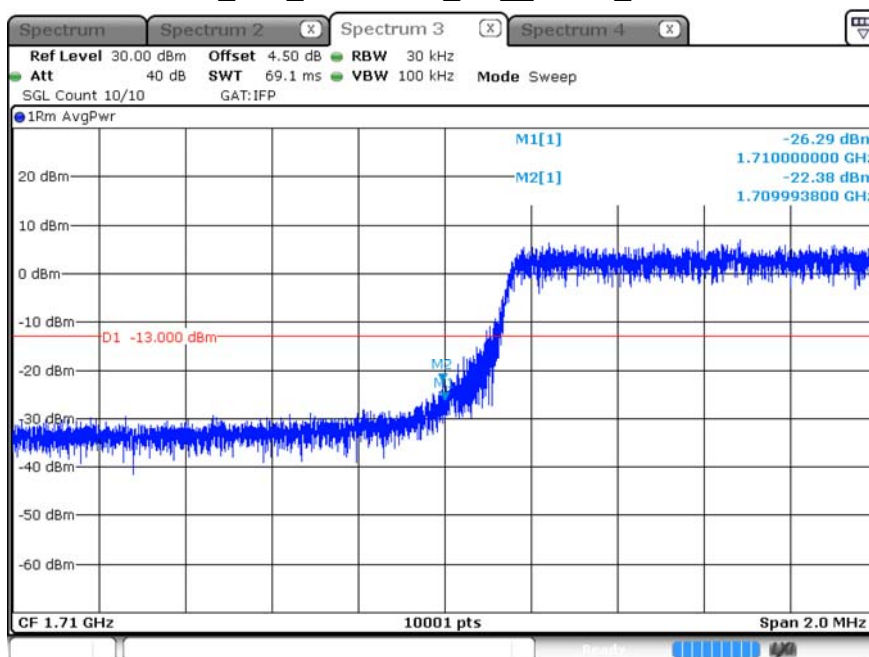
Date: 15 JUN 2020 16:09:36

LTE_B66_CH131987_3M_QPSK_1RB0



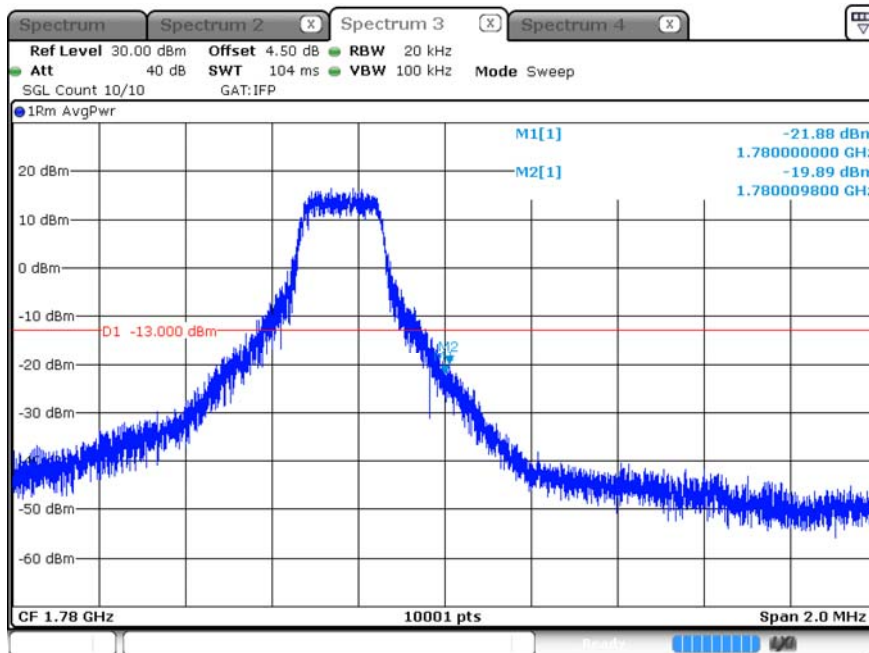
Date: 19 JUN 2020 10:55:26

LTE_B66_CH131987_3M_QPSK_15RB0



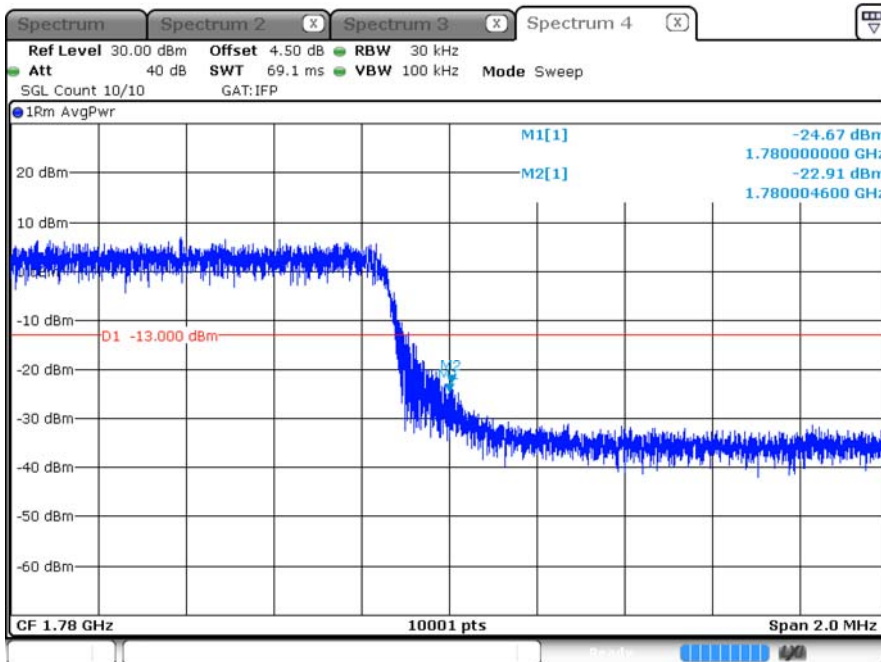
Date: 15 JUN 2020 16:14:47

LTE_B66_CH132657_3M_QPSK_1RB14



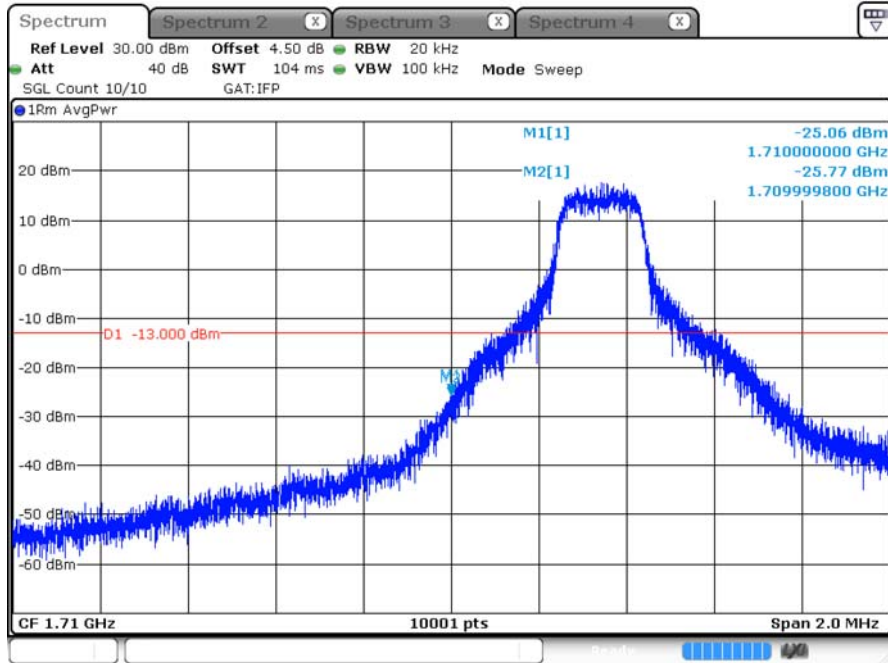
Date: 19 JUN 2020 10:54:17

LTE_B66_CH132657_3M_QPSK_15RB0



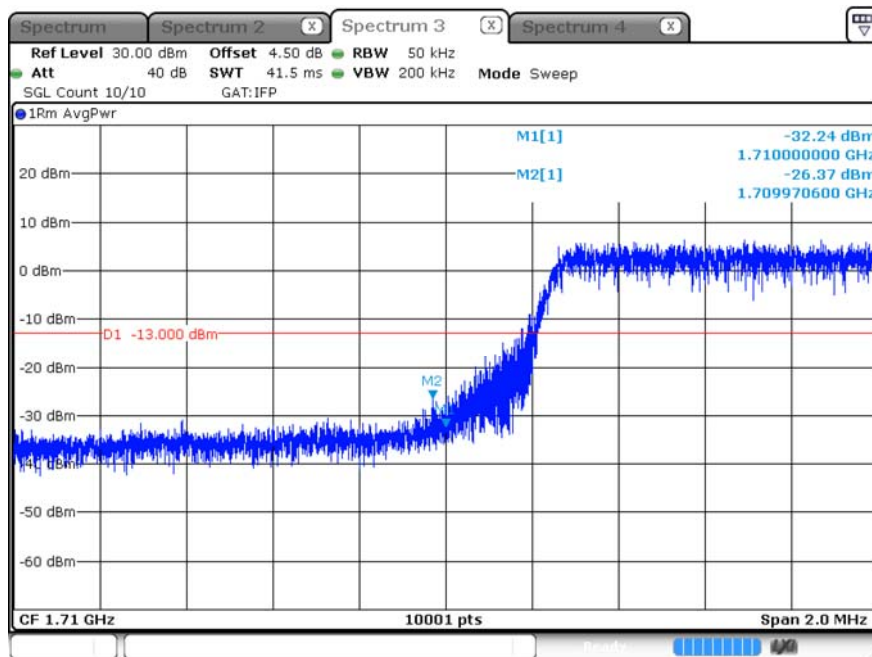
Date: 15 JUN 2020 16:15:09

LTE_B66_CH131997_5M_QPSK_1RB0



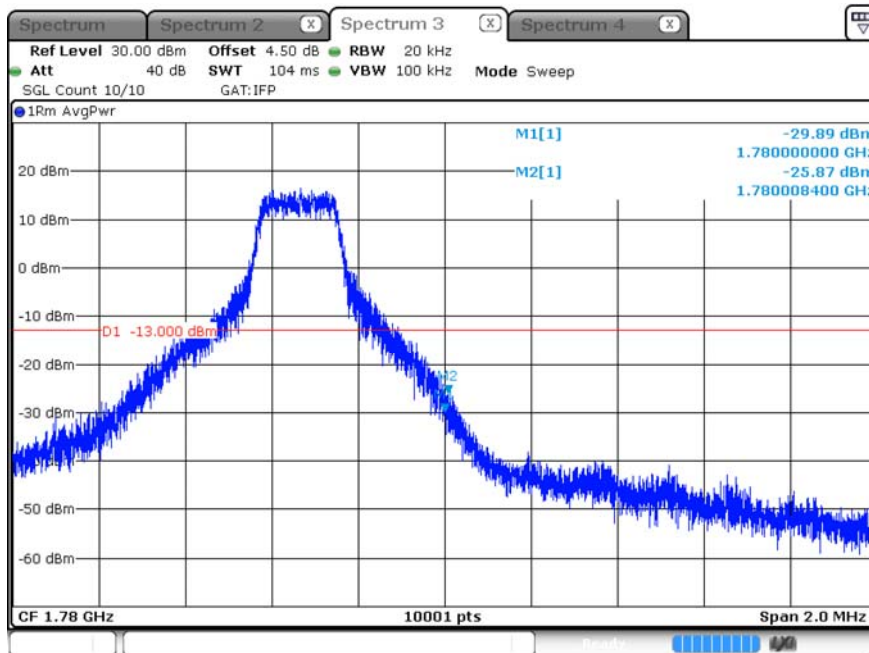
Date: 19 JUN 2020 10:59:52

LTE_B66_CH131997_5M_QPSK_25RB0



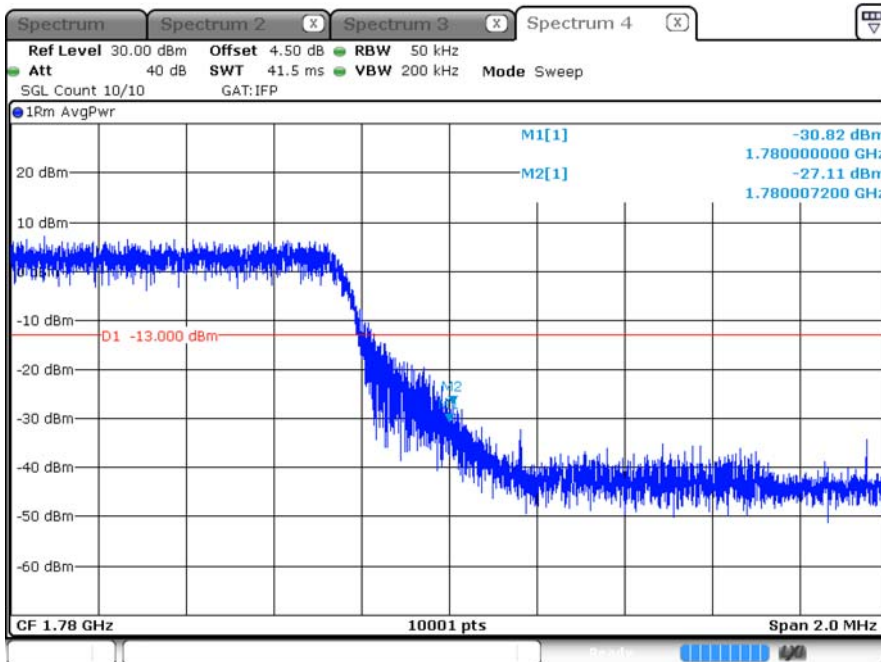
Date: 15 JUN 2020 16:21:46

LTE_B66_CH132647_5M_QPSK_1RB24



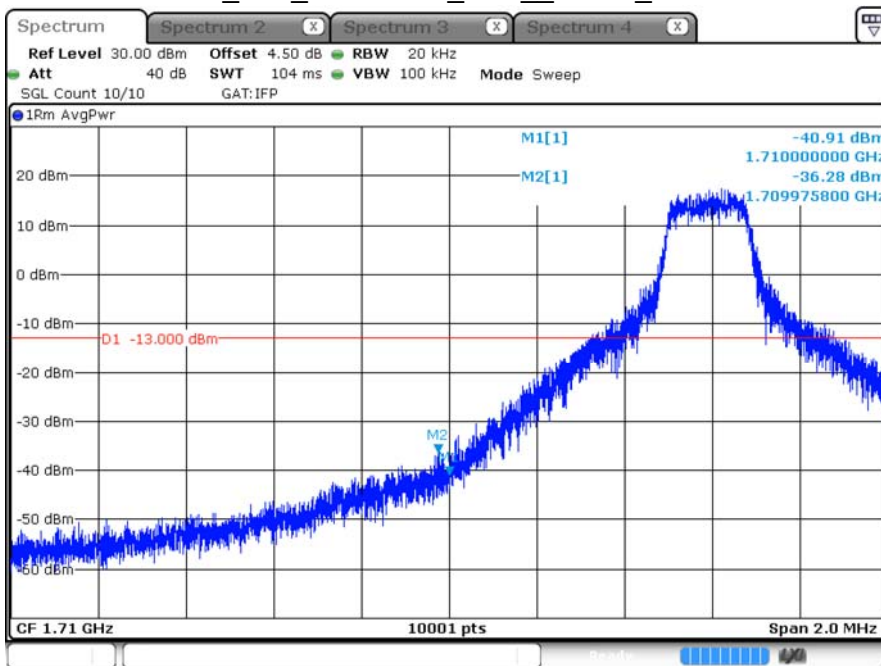
Date: 19 JUN 2020 11:01:18

LTE_B66_CH132647_5M_QPSK_25RB0



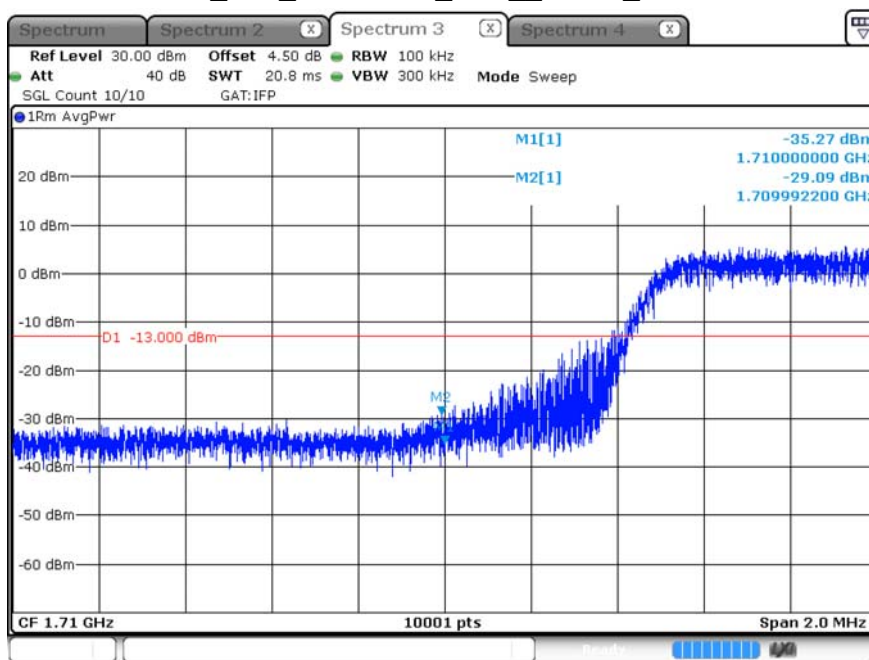
Date: 15 JUN 2020 16:22:31

LTE_B66_CH132022_10M_QPSK_1RB0



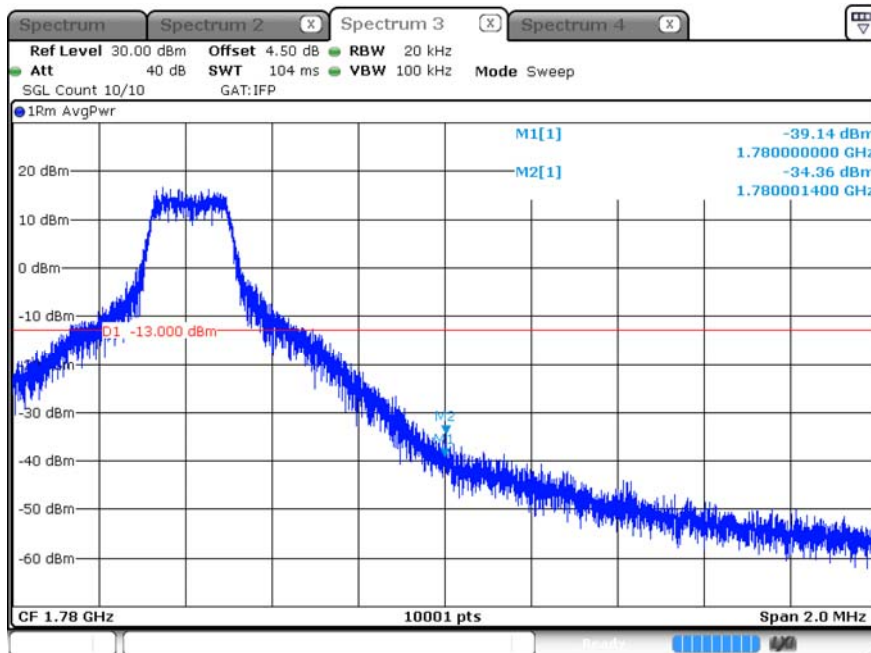
Date: 19 JUN 2020 11:04:49

LTE_B66_CH132022_10M_QPSK_50RB0



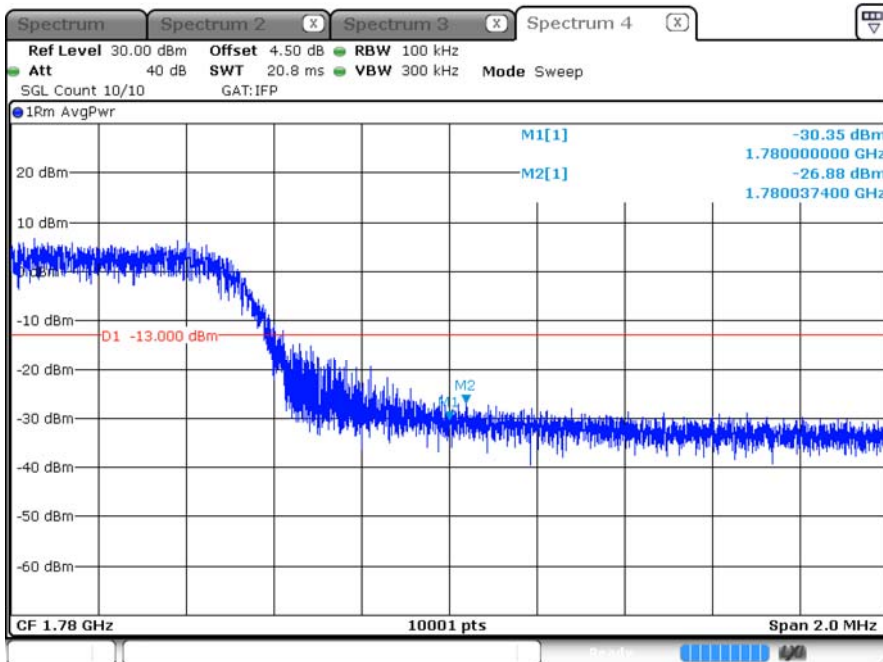
Date: 15 JUN 2020 16:29:16

LTE_B66_CH132622_10M_QPSK_1RB49



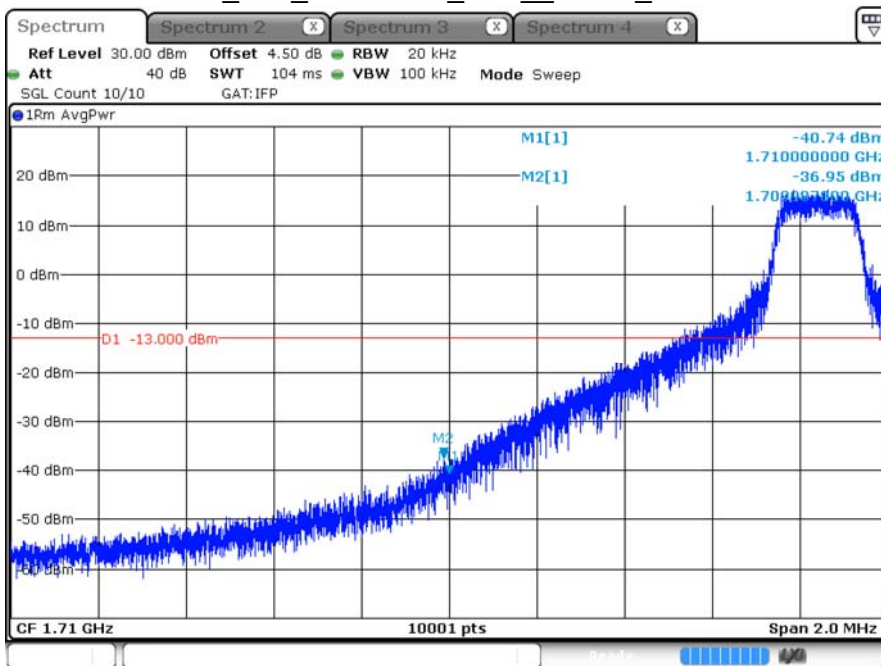
Date: 19 JUN 2020 11:03:13

LTE_B66_CH132622_10M_QPSK_50RB0



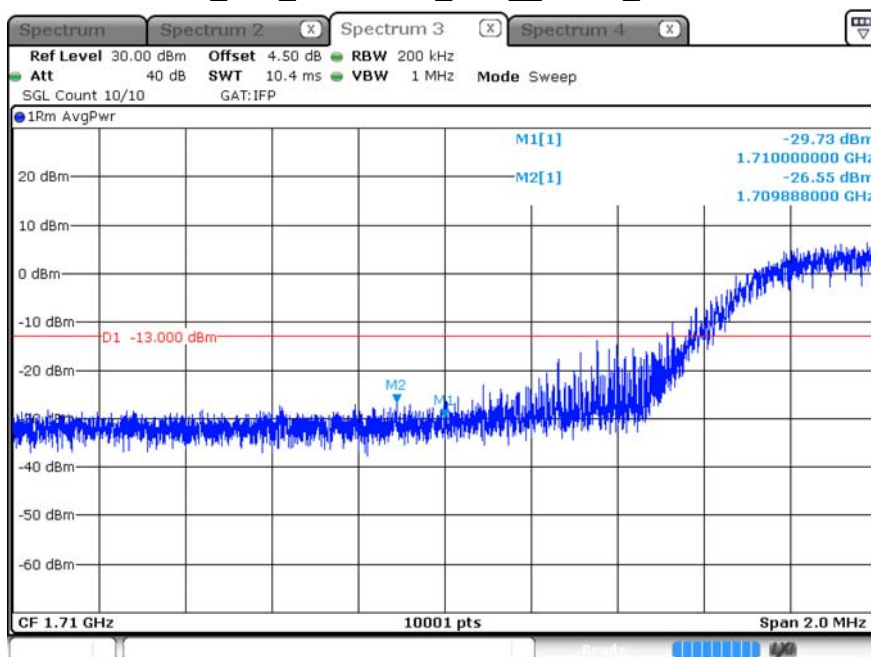
Date: 15 JUN 2020 16:29:37

LTE_B66_CH132047_15M_QPSK_1RB0



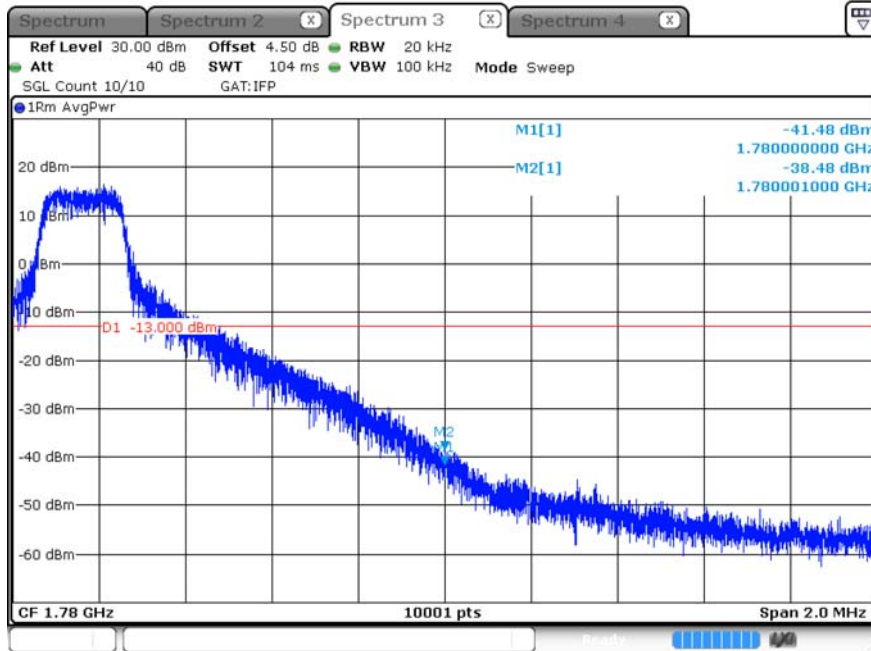
Date: 19 JUN 2020 13:52:08

LTE_B66_CH132047_15M_QPSK_75RB0



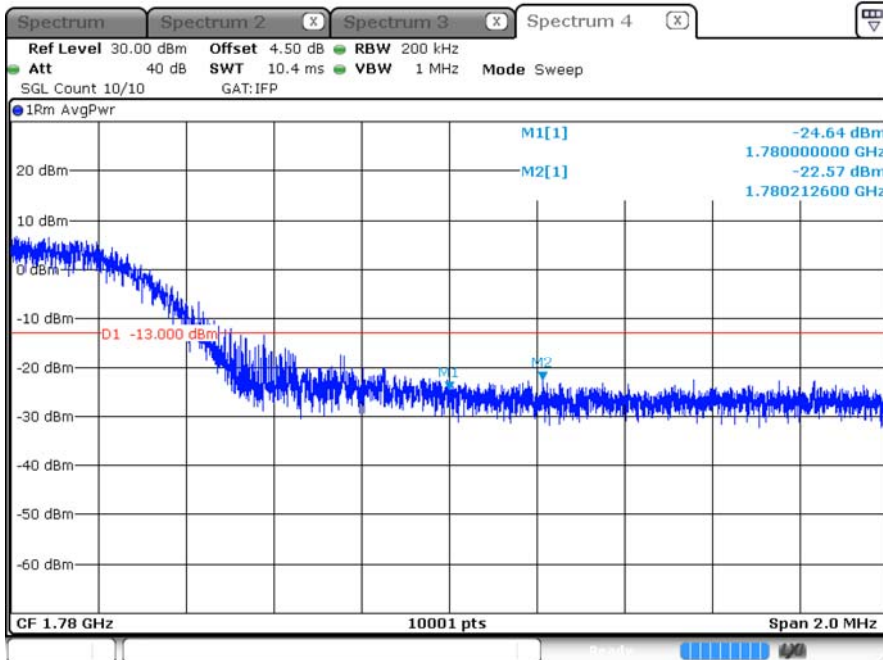
Date: 15 JUN 2020 16:44:51

LTE_B66_CH132597_15M_QPSK_1RB74



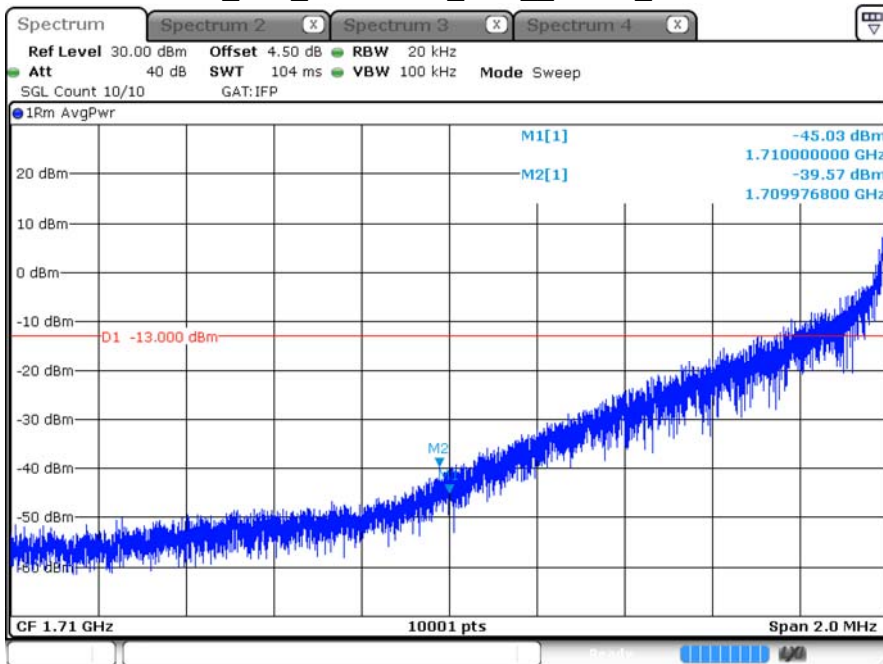
Date: 19 JUN 2020 13:52:49

LTE_B66_CH132597_15M_QPSK_75RB0



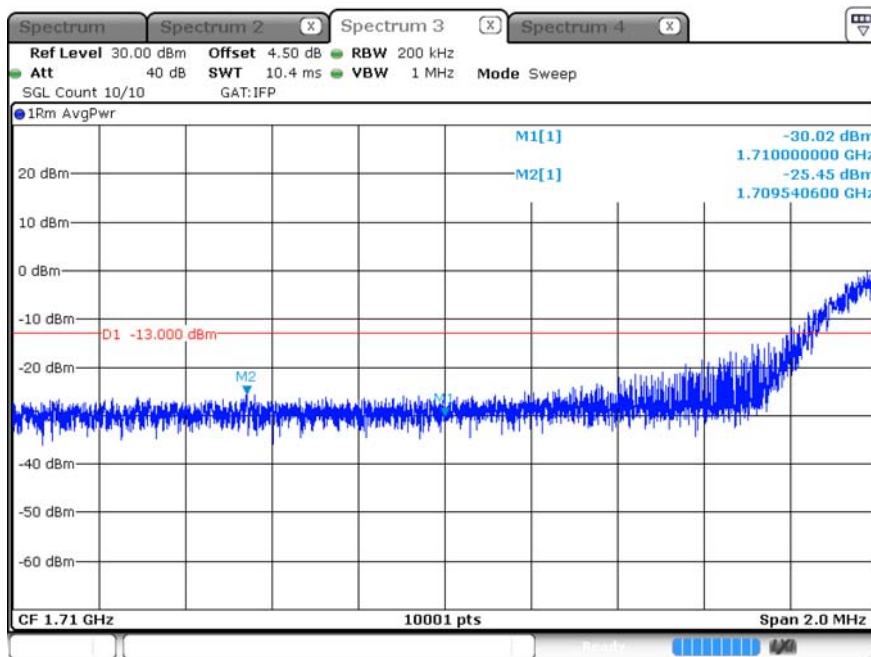
Date: 15 JUN 2020 16:45:19

LTE_B66_CH132072_20M_QPSK_1RB0



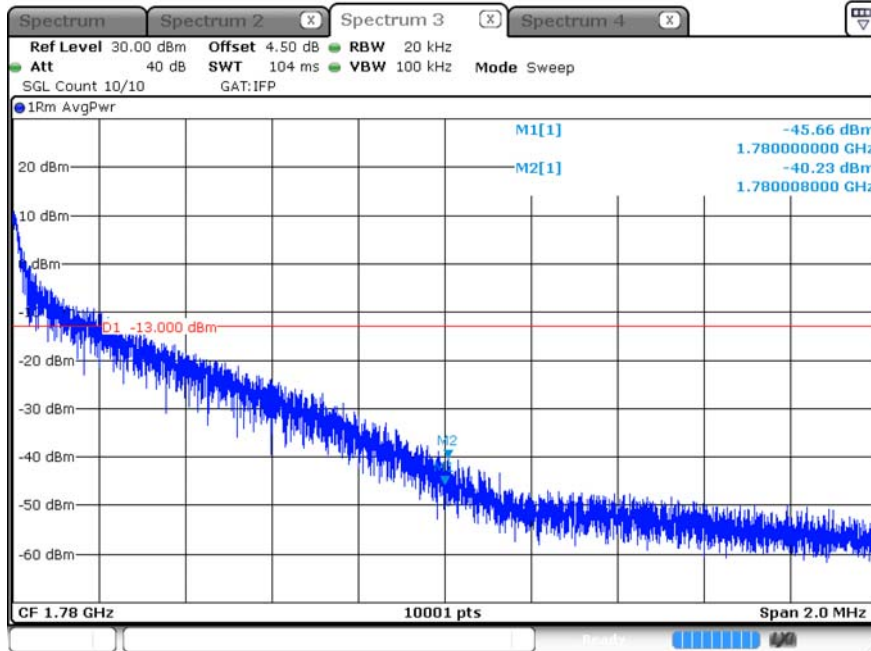
Date: 19 JUN 2020 13:54:55

LTE_B66_CH132072_20M_QPSK_100RB0



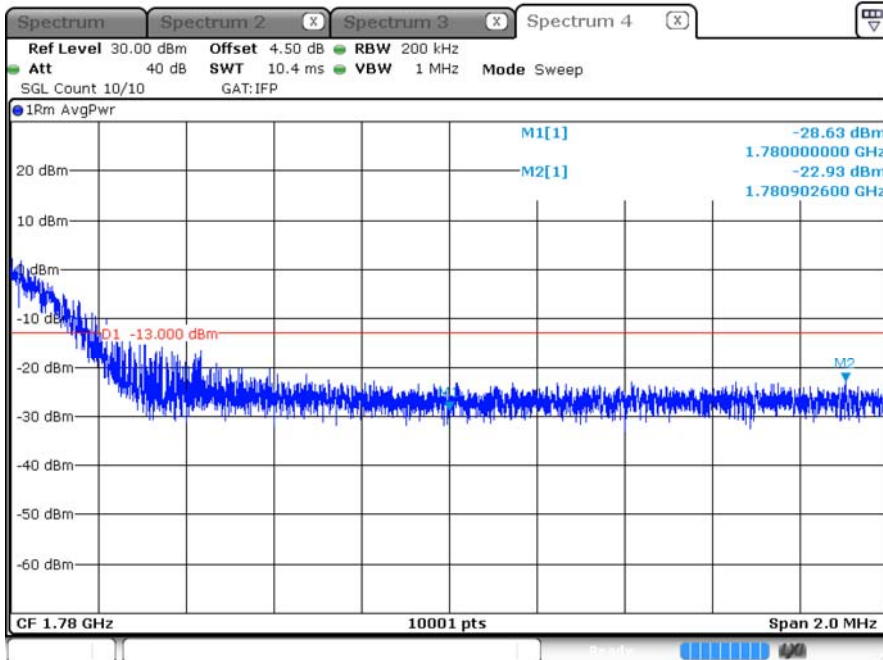
Date: 15 JUN 2020 16:50:47

LTE_B66_CH132572_20M_QPSK_1RB99



Date: 19 JUN 2020 13:53:44

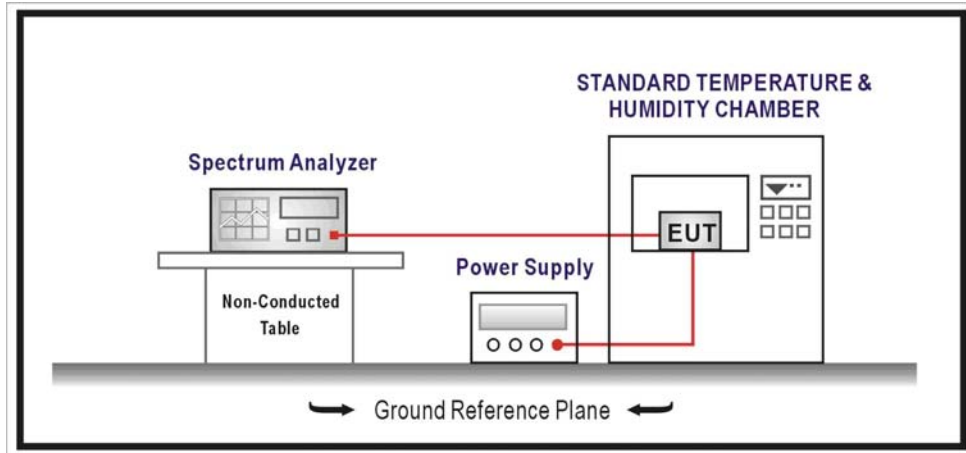
LTE_B66_CH132572_20M_QPSK_100RB0



Date: 15 JUN 2020 16:51:10

8. Frequency Stability

8.1. Test Setup



8.2. Test Procedure

Frequency Stability Under Temperature Variations:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

8.3. Test Method

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 9
ANSI C63.26-2015 Sub-clause 5.6

8.4. Test Result

Product	LV55		
Test Item	Frequency Stability		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2020/06/18	Test Site	SR12-H
Temperature (°C)	23	Humidity (%RH)	66

LTE-Band 2

1850.7MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	1.44	0.0008
20.0	2.00	0.0011
18.0	0.85	0.0005

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	2.30	0.0012
-20	1.14	0.0006
-10	1.28	0.0007
0	1.86	0.0010
10	1.04	0.0006
20	0.60	0.0003
30	1.38	0.0007
40	1.49	0.0008
50	2.05	0.0011
55	1.98	0.0011

LTE-Band 2

1909.3MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.62	0.0014
20.0	3.00	0.0016
18.0	2.83	0.0015

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	1.96	0.0010
-20	2.86	0.0015
-10	2.86	0.0015
0	2.35	0.0012
10	2.47	0.0013
20	2.77	0.0015
30	3.22	0.0017
40	2.43	0.0013
50	2.18	0.0011
55	2.02	0.0011

LTE-Band 2

1851.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.36	0.0013
20.0	3.15	0.0017
18.0	2.04	0.0011

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	1.97	0.0011
-20	2.67	0.0014
-10	3.15	0.0017
0	2.71	0.0015
10	3.78	0.0020
20	3.51	0.0019
30	2.77	0.0015
40	2.45	0.0013
50	2.81	0.0015
55	2.54	0.0014

LTE-Band 2

1908.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	1.92	0.0010
20.0	2.87	0.0015
18.0	2.14	0.0011

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	1.48	0.0008
-20	2.16	0.0011
-10	3.00	0.0016
0	2.25	0.0012
10	2.20	0.0012
20	2.03	0.0011
30	2.64	0.0014
40	2.09	0.0011
50	1.91	0.0010
55	2.13	0.0011

LTE-Band 2

1852.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.34	0.0013
20.0	2.44	0.0013
18.0	2.46	0.0013

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	1.54	0.0008
-20	1.87	0.0010
-10	1.13	0.0006
0	2.12	0.0011
10	2.14	0.0012
20	2.70	0.0015
30	2.88	0.0016
40	1.09	0.0006
50	2.37	0.0013
55	2.66	0.0014

LTE-Band 2

1907.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.13	0.0011
20.0	2.64	0.0014
18.0	1.93	0.0010

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	2.44	0.0013
-20	0.91	0.0005
-10	2.12	0.0011
0	3.54	0.0019
10	2.54	0.0013
20	1.88	0.0010
30	2.04	0.0011
40	1.85	0.0010
50	1.57	0.0008
55	1.88	0.0010

LTE-Band 2

1855MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	4.38	0.0024
20.0	4.13	0.0022
18.0	2.68	0.0014

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	2.95	0.0016
-20	3.64	0.0020
-10	3.42	0.0018
0	3.86	0.0021
10	3.67	0.0020
20	3.41	0.0018
30	4.07	0.0022
40	3.22	0.0017
50	3.45	0.0019
55	3.87	0.0021

LTE-Band 2

1905MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.37	0.0018
20.0	3.99	0.0021
18.0	3.40	0.0018

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.11	0.0016
-20	3.43	0.0018
-10	3.23	0.0017
0	3.72	0.0020
10	3.61	0.0019
20	4.25	0.0022
30	3.27	0.0017
40	3.44	0.0018
50	2.64	0.0014
55	3.24	0.0017

LTE-Band 2

1857.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.11	0.0017
20.0	3.78	0.0020
18.0	3.38	0.0018

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.57	0.0019
-20	3.22	0.0017
-10	2.78	0.0015
0	3.89	0.0021
10	2.96	0.0016
20	2.31	0.0012
30	3.10	0.0017
40	2.73	0.0015
50	3.26	0.0018
55	3.51	0.0019

LTE-Band 2

1902.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	4.38	0.0023
20.0	4.55	0.0024
18.0	4.20	0.0022

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.37	0.0018
-20	4.32	0.0023
-10	5.05	0.0027
0	4.36	0.0023
10	3.08	0.0016
20	4.25	0.0022
30	3.55	0.0019
40	4.50	0.0024
50	4.32	0.0023
55	4.21	0.0022

LTE-Band 2

1860MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.86	0.0021
20.0	4.66	0.0025
18.0	3.65	0.0020

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	4.07	0.0022
-20	3.82	0.0021
-10	4.34	0.0023
0	4.11	0.0022
10	4.20	0.0023
20	4.27	0.0023
30	3.85	0.0021
40	3.49	0.0019
50	4.16	0.0022
55	3.99	0.0021

LTE-Band 2

1900MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.74	0.0020
20.0	4.10	0.0022
18.0	2.64	0.0014

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	4.19	0.0022
-20	4.77	0.0025
-10	3.51	0.0018
0	2.72	0.0014
10	2.76	0.0015
20	2.86	0.0015
30	3.51	0.0018
40	4.10	0.0022
50	3.75	0.0020
55	3.34	0.0018

Product	LV55		
Test Item	Frequency Stability		
Test Mode	Mode 2: LTE Band 5		
Date of Test	2020/06/18	Test Site	SR12-H
Temperature (°C)	23	Humidity (%RH)	66

LTE-Band 5

824.7MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.54	0.0031
20.0	3.78	0.0046
18.0	3.65	0.0044

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.60	0.0044
-20	4.66	0.0057
-10	3.43	0.0042
0	3.66	0.0044
10	3.03	0.0037
20	2.85	0.0035
30	2.32	0.0028
40	3.40	0.0041
50	3.46	0.0042
55	3.23	0.0039

LTE-Band 5

848.3MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.56	0.0030
20.0	2.99	0.0035
18.0	2.51	0.0030

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	2.72	0.0032
-20	2.67	0.0031
-10	2.35	0.0028
0	3.05	0.0036
10	2.29	0.0027
20	2.64	0.0031
30	1.85	0.0022
40	2.26	0.0027
50	2.48	0.0029
55	2.99	0.0035

LTE-Band 5

825.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.34	0.0040
20.0	4.13	0.0050
18.0	4.54	0.0055

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.50	0.0042
-20	4.61	0.0056
-10	3.49	0.0042
0	3.03	0.0037
10	3.31	0.0040
20	3.58	0.0043
30	4.12	0.0050
40	3.13	0.0038
50	3.52	0.0043
55	3.13	0.0038

LTE-Band 5

847.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.23	0.0038
20.0	3.67	0.0043
18.0	3.52	0.0042

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.27	0.0039
-20	3.73	0.0044
-10	3.74	0.0044
0	3.50	0.0041
10	2.62	0.0031
20	2.59	0.0031
30	3.01	0.0036
40	3.41	0.0040
50	3.57	0.0042
55	3.51	0.0041

LTE-Band 5

826.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.90	0.0035
20.0	3.46	0.0042
18.0	3.42	0.0041

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	2.24	0.0027
-20	4.16	0.0050
-10	2.79	0.0034
0	2.89	0.0035
10	3.91	0.0047
20	3.41	0.0041
30	2.93	0.0035
40	3.16	0.0038
50	2.25	0.0027
55	3.22	0.0039

LTE-Band 5

846.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.62	0.0043
20.0	4.33	0.0051
18.0	3.35	0.0040

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	4.28	0.0051
-20	4.58	0.0054
-10	4.28	0.0051
0	3.68	0.0043
10	3.98	0.0047
20	4.51	0.0053
30	4.15	0.0049
40	3.65	0.0043
50	4.84	0.0057
55	4.24	0.0050

LTE-Band 5

829MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.83	0.0046
20.0	4.25	0.0051
18.0	3.89	0.0047

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.63	0.0044
-20	4.04	0.0049
-10	3.45	0.0042
0	4.27	0.0052
10	3.58	0.0043
20	2.89	0.0035
30	3.69	0.0045
40	3.21	0.0039
50	3.25	0.0039
55	3.75	0.0045

LTE-Band 5

844MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	4.44	0.0053
20.0	5.00	0.0059
18.0	4.08	0.0048

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	4.15	0.0049
-20	3.56	0.0042
-10	4.49	0.0053
0	4.07	0.0048
10	5.19	0.0061
20	5.50	0.0065
30	4.84	0.0057
40	3.83	0.0045
50	4.02	0.0048
55	4.31	0.0051

Product	LV55		
Test Item	Frequency Stability		
Test Mode	Mode 3: LTE Band 13		
Date of Test	2020/06/18	Test Site	SR12-H
Temperature (°C)	23	Humidity (%RH)	66

LTE-Band 13

779.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.25	0.0042
20.0	3.55	0.0046
18.0	3.74	0.0048

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.31	0.0042
-20	2.98	0.0038
-10	2.47	0.0032
0	2.15	0.0028
10	3.16	0.0041
20	3.73	0.0048
30	2.52	0.0032
40	2.72	0.0035
50	2.84	0.0036
55	3.22	0.0041

LTE-Band 13

784.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22	3.34	0.0043
20	4.81	0.0061
18	3.92	0.0050

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	4.32	0.0055
-20	4.36	0.0056
-10	4.58	0.0058
0	3.27	0.0042
10	4.99	0.0064
20	4.62	0.0059
30	3.58	0.0046
40	4.17	0.0053
50	4.51	0.0057
55	4.89	0.0062

LTE-Band 13

782MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.88	0.0037
20.0	3.95	0.0051
18.0	2.96	0.0038

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.56	0.0046
-20	2.94	0.0038
-10	3.87	0.0049
0	4.09	0.0052
10	3.54	0.0045
20	2.80	0.0036
30	2.86	0.0037
40	3.60	0.0046
50	3.34	0.0043
55	3.56	0.0046

Product	LV55		
Test Item	Frequency Stability		
Test Mode	Mode 4: LTE Band 66		
Date of Test	2020/06/18	Test Site	SR12-H
Temperature (°C)	23	Humidity (%RH)	66

LTE-Band 66

1710.7MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.99	0.0017
20.0	3.57	0.0021
18.0	4.12	0.0024

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	2.97	0.0017
-20	3.23	0.0019
-10	2.77	0.0016
0	3.00	0.0018
10	2.88	0.0017
20	3.08	0.0018
30	3.42	0.0020
40	2.68	0.0016
50	3.57	0.0021
55	3.23	0.0019

LTE-Band 66

1779.3MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.06	0.0017
20.0	3.68	0.0021
18.0	3.08	0.0017

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	2.36	0.0013
-20	3.40	0.0019
-10	3.35	0.0019
0	3.53	0.0020
10	2.91	0.0016
20	3.22	0.0018
30	3.44	0.0019
40	3.02	0.0017
50	2.82	0.0016
55	3.42	0.0019

LTE-Band 66

1711.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.49	0.0020
20.0	4.23	0.0025
18.0	4.23	0.0025

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.70	0.0022
-20	3.28	0.0019
-10	3.61	0.0021
0	2.86	0.0017
10	3.07	0.0018
20	3.80	0.0022
30	3.63	0.0021
40	3.84	0.0022
50	3.51	0.0021
55	3.01	0.0018

LTE-Band 66

1778.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.39	0.0019
20.0	3.77	0.0021
18.0	2.60	0.0015

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	2.39	0.0013
-20	3.19	0.0018
-10	2.77	0.0016
0	3.13	0.0018
10	3.69	0.0021
20	2.92	0.0016
30	3.12	0.0018
40	3.73	0.0021
50	3.06	0.0017
55	3.33	0.0019

LTE-Band 66

1712.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.89	0.0023
20.0	3.61	0.0021
18.0	2.63	0.0015

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.30	0.0019
-20	2.26	0.0013
-10	2.80	0.0016
0	3.71	0.0022
10	2.78	0.0016
20	2.78	0.0016
30	3.59	0.0021
40	3.99	0.0023
50	3.28	0.0019
55	3.55	0.0021

LTE-Band 66

1777.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.92	0.0016
20.0	3.73	0.0021
18.0	3.69	0.0021

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.35	0.0019
-20	2.71	0.0015
-10	3.94	0.0022
0	2.28	0.0013
10	3.94	0.0022
20	3.70	0.0021
30	2.83	0.0016
40	2.98	0.0017
50	3.37	0.0019
55	3.68	0.0021

LTE-Band 66

1715MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.25	0.0019
20.0	4.33	0.0025
18.0	4.69	0.0027

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.44	0.0020
-20	3.93	0.0023
-10	4.85	0.0028
0	3.88	0.0023
10	3.64	0.0021
20	3.52	0.0021
30	3.99	0.0023
40	4.41	0.0026
50	4.77	0.0028
55	4.27	0.0025

LTE-Band 66

1775MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.71	0.0015
20.0	3.90	0.0022
18.0	2.61	0.0015

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.52	0.0020
-20	2.71	0.0015
-10	3.19	0.0018
0	3.55	0.0020
10	4.13	0.0023
20	3.33	0.0019
30	4.11	0.0023
40	3.38	0.0019
50	3.67	0.0021
55	3.12	0.0018

LTE-Band 66

1717.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.34	0.0014
20.0	3.46	0.0020
18.0	3.37	0.0020

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.63	0.0021
-20	2.71	0.0016
-10	2.57	0.0015
0	3.17	0.0018
10	3.89	0.0023
20	2.99	0.0017
30	3.15	0.0018
40	3.44	0.0020
50	2.48	0.0014
55	3.09	0.0018

LTE-Band 66

1772.5MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.31	0.0013
20.0	3.38	0.0019
18.0	2.51	0.0014

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	2.45	0.0014
-20	2.93	0.0017
-10	3.72	0.0021
0	2.37	0.0013
10	2.46	0.0014
20	2.97	0.0017
30	3.15	0.0018
40	3.60	0.0020
50	3.31	0.0019
55	3.56	0.0020

LTE-Band 66

1720MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	2.66	0.0015
20.0	4.10	0.0024
18.0	2.53	0.0015

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.59	0.0021
-20	2.85	0.0017
-10	3.35	0.0019
0	3.63	0.0021
10	3.42	0.0020
20	3.56	0.0021
30	2.91	0.0017
40	3.55	0.0021
50	3.38	0.0020
55	3.68	0.0021

LTE-Band 66

1770MHz

Voltage

Voltage (VAC)	Frequency Error(Hz)	Frequency Error(ppm)
22.0	3.22	0.0018
20.0	3.84	0.0022
18.0	3.62	0.0020

Temperature

TEMPERATURE	Frequency Error(Hz)	Frequency Error (ppm)
-30	3.49	0.0020
-20	3.03	0.0017
-10	3.50	0.0020
0	3.04	0.0017
10	3.72	0.0021
20	3.19	0.0018
30	3.54	0.0020
40	2.49	0.0014
50	4.29	0.0024
55	4.18	0.0024