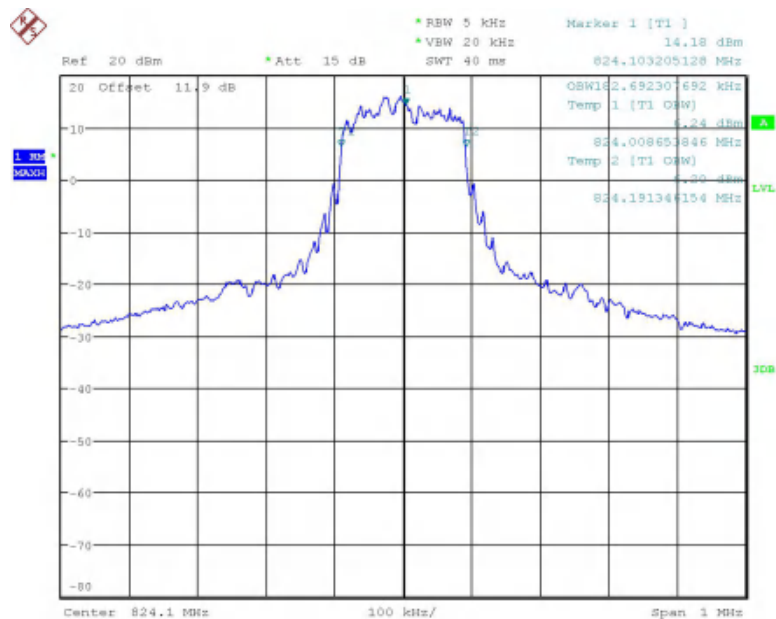
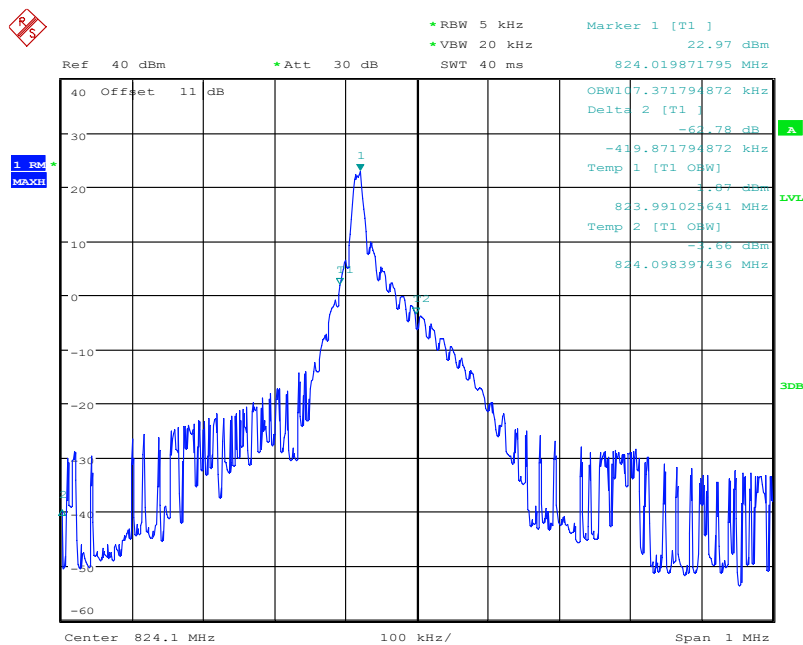


Graphical results for Band26:



Date: 16.AUG.2019 14:43:31

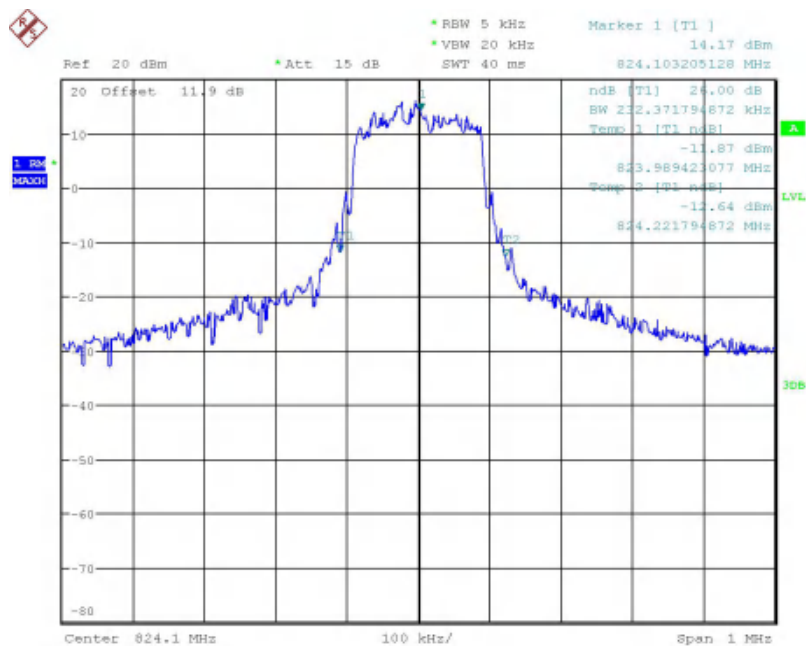
NB-IoT standalone band 26 26791 QPSK(99%)



Date: 5.SEP.2019 14:51:17

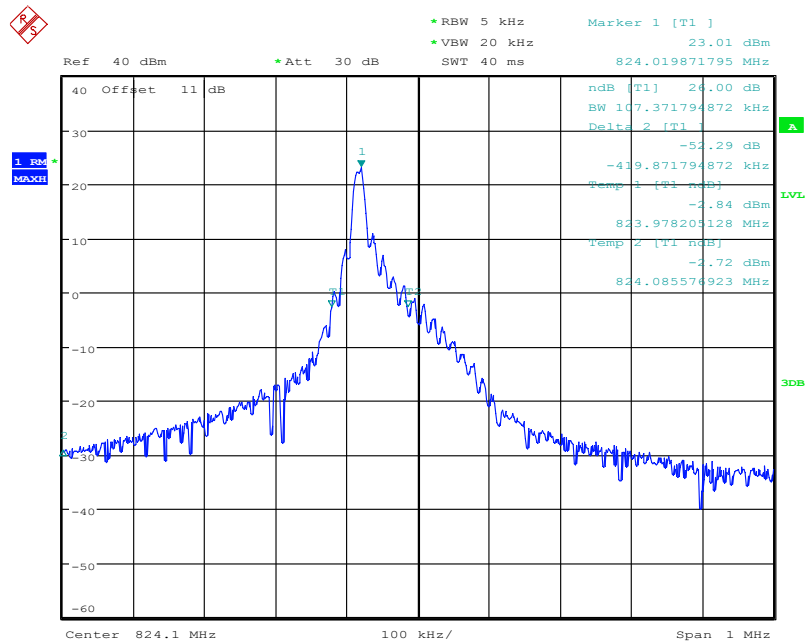
NB-IoT standalone band 26 26791 BPSK(99%)

Report No.:B19W50105-WWAN_Rev7



Date: 16.AUG.2019 14:44:46

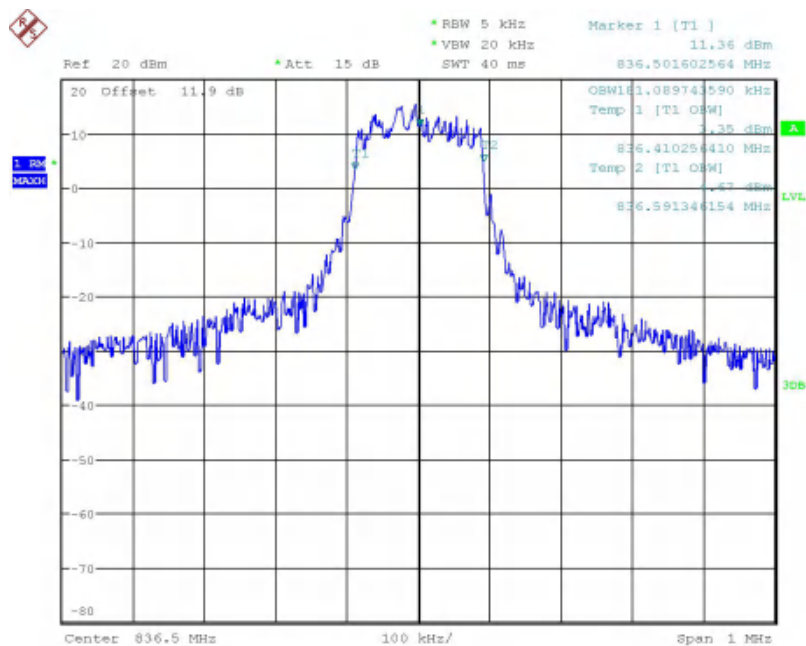
NB-IoT standalone band 26 26791 QPSK(26dB)



Date: 5.SEP.2019 14:50:57

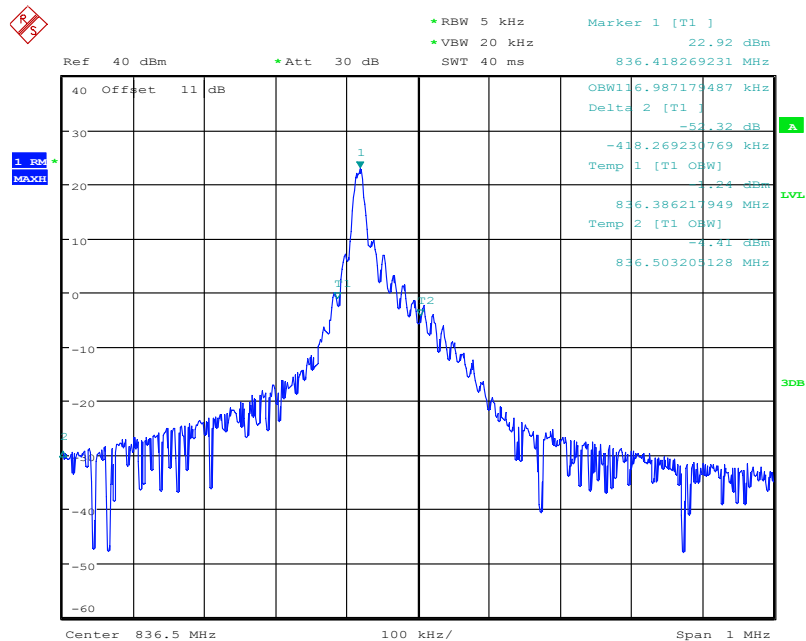
NB-IoT standalone band 26 26791 BPSK(26dB)

Report No.:B19W50105-WWAN_Rev7



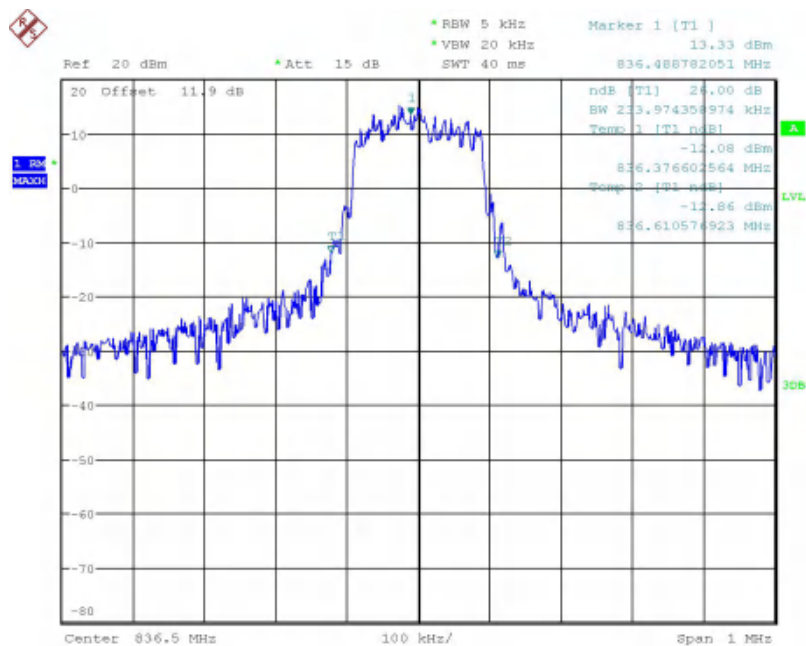
Date: 16.AUG.2019 14:48:53

NB-IoT standalone band 26 26915 QPSK(99%)



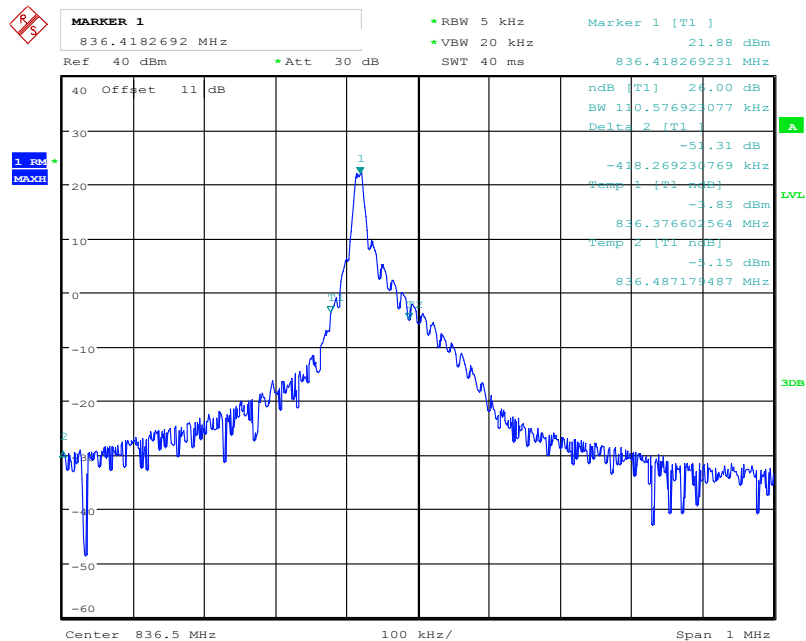
Date: 5.SEP.2019 14:52:00

NB-IoT standalone band 26 26915 BPSK(99%)



Date: 16.AUG.2019 14:49:23

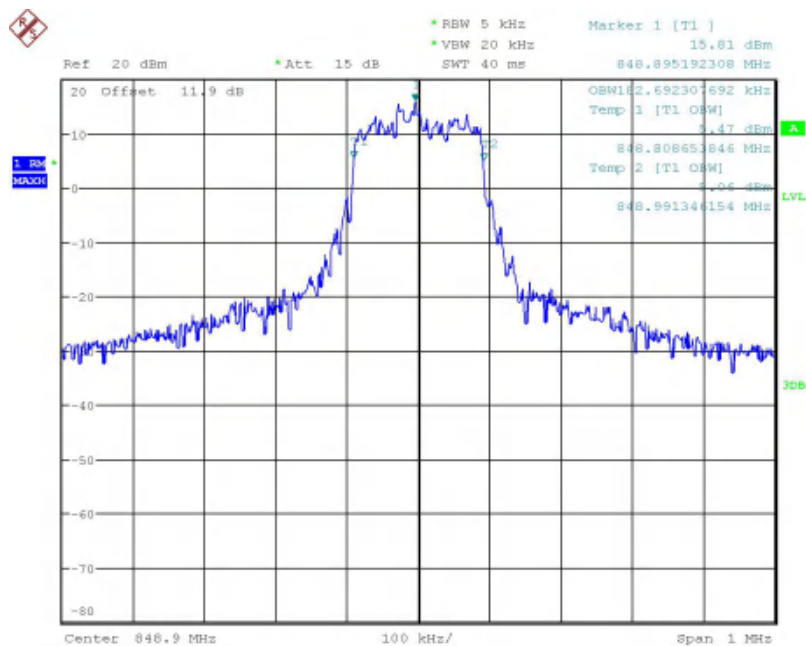
NB-IoT standalone band 26 26915 QPSK(26dB)



Date: 5.SEP.2019 14:52:27

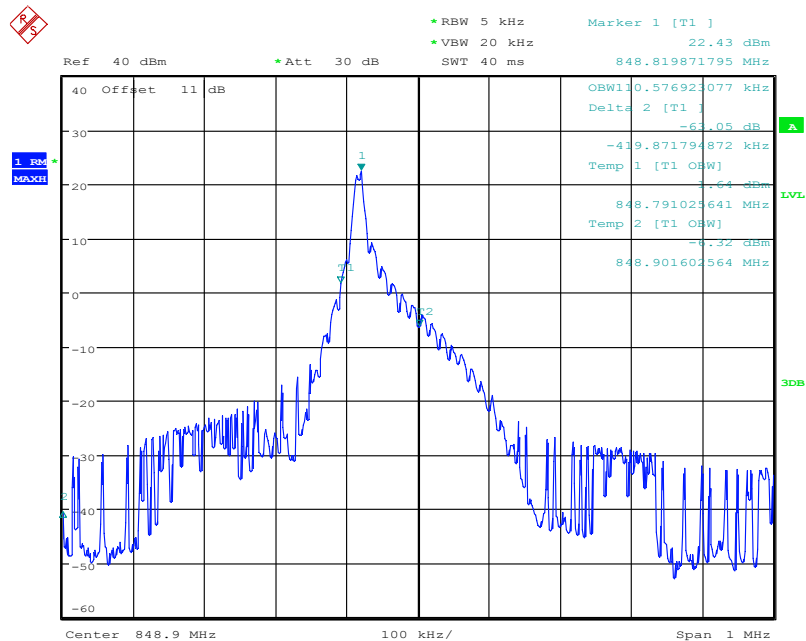
NB-IoT standalone band 26 26915 BPSK(26dB)

Report No.:B19W50105-WWAN_Rev7



Date: 16.AUG.2019 14:57:27

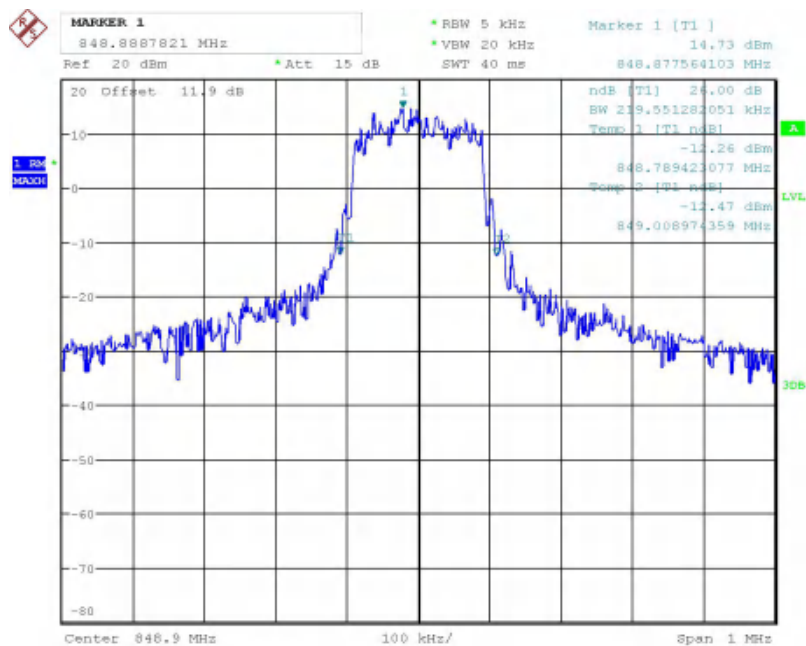
NB-IoT standalone band 26 27039 QPSK(99%)



Date: 5.SEP.2019 14:53:25

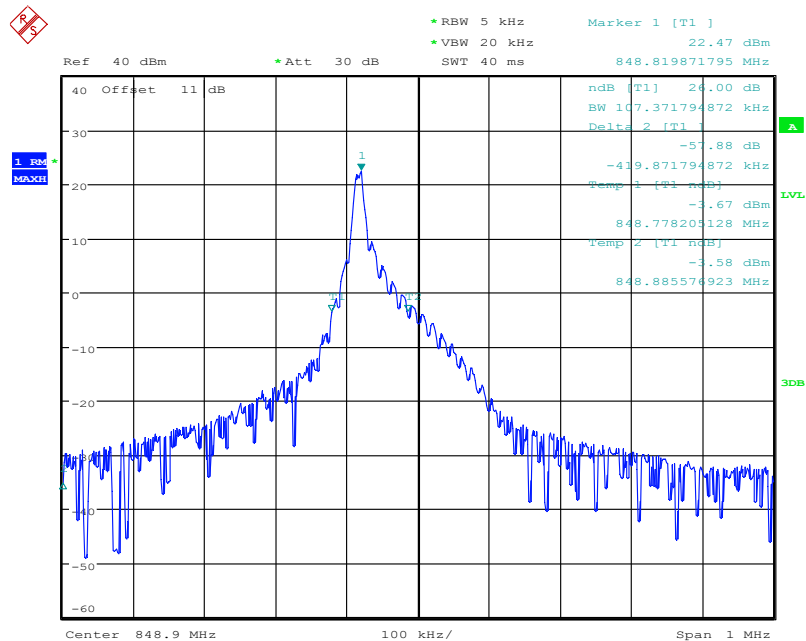
NB-IoT standalone band 26 27039 BPSK(99%)

Report No.:B19W50105-WWAN_Rev7



Date: 16.AUG.2019 14:57:51

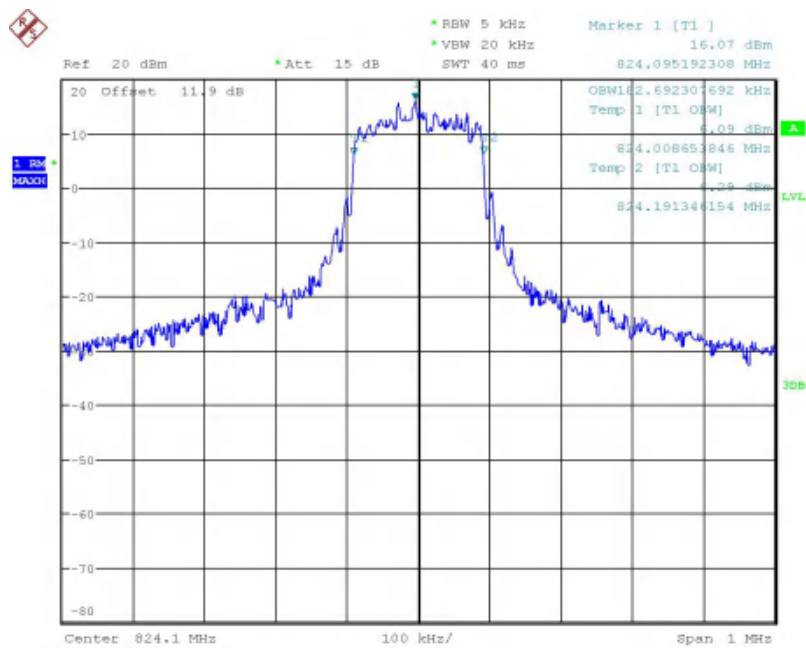
NB-IoT standalone band 26 27039 QPSK(26dB)



Date: 5.SEP.2019 14:53:12

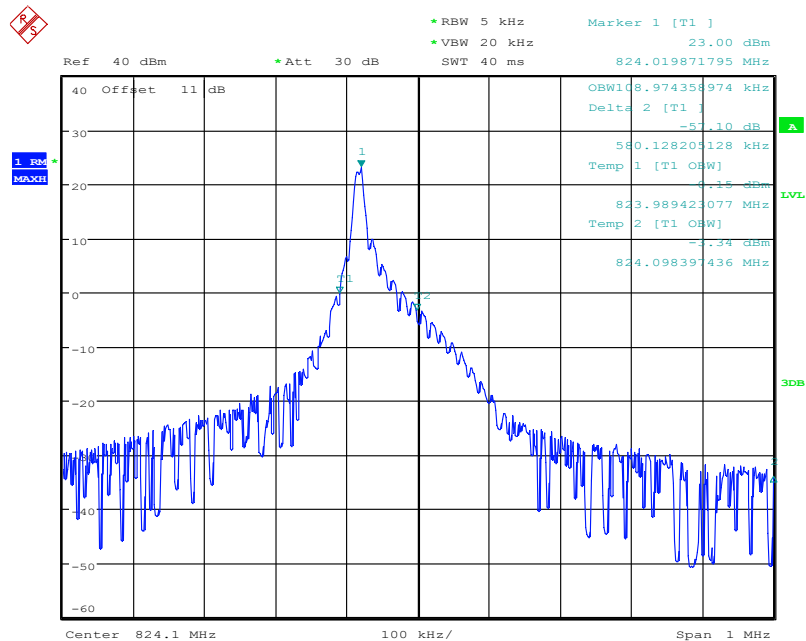
NB-IoT standalone band 26 27039 BPSK(26dB)

Report No.:B19W50105-WWAN_Rev7



Date: 16.AUG.2019 15:00:37

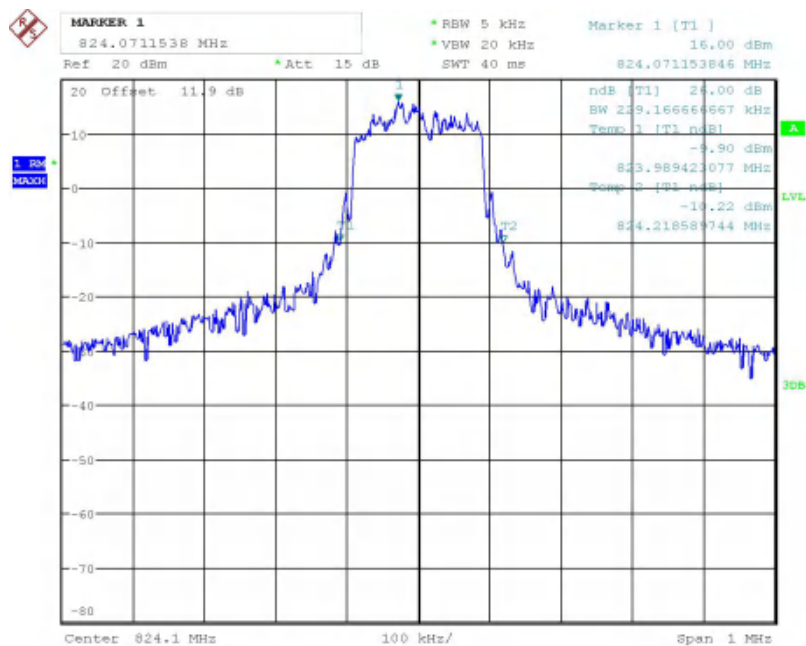
NB-IoT In-band band 26 26791 QPSK(99%)



Date: 5.SEP.2019 14:55:50

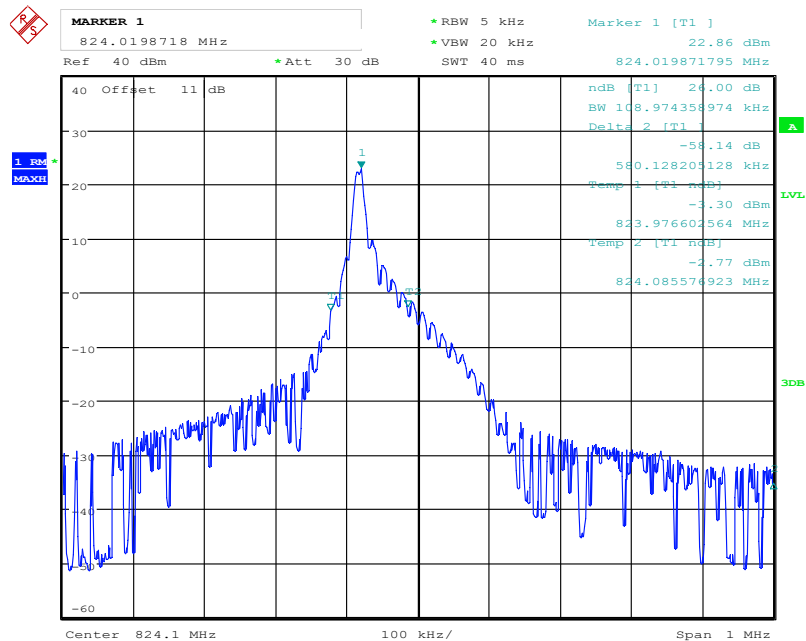
NB-IoT In-band band 26 26791 BPSK(99%)

Report No.:B19W50105-WWAN_Rev7



Date: 16.AUG.2019 15:01:13

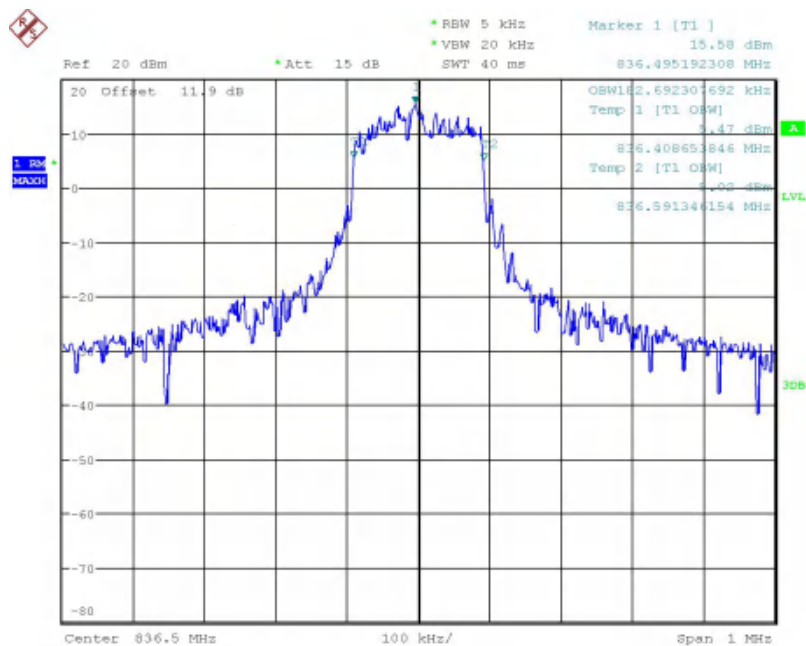
NB-IoT In-band band 26 26791 QPSK(26dB)



Date: 5.SEP.2019 14:56:03

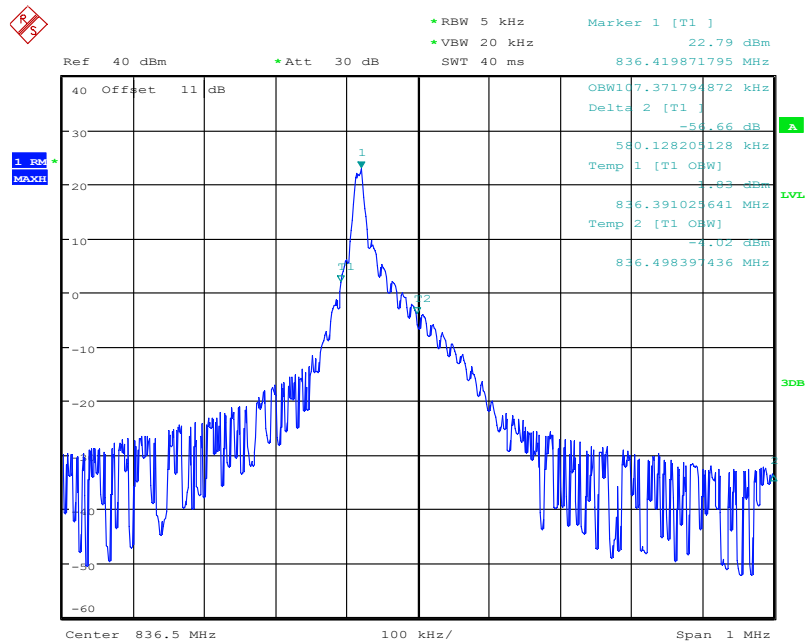
NB-IoT In-band band 26 26791 BPSK(26dB)

Report No.:B19W50105-WWAN_Rev7



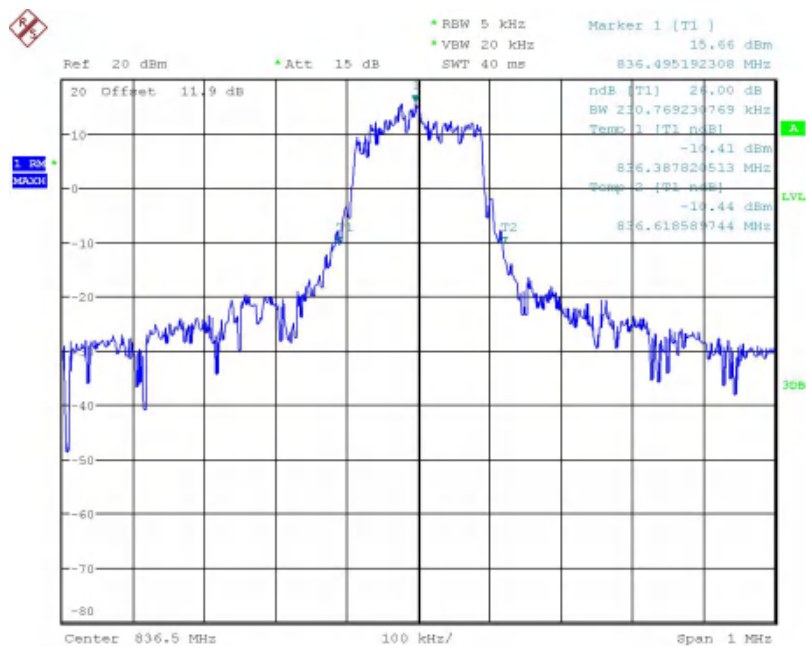
Date: 16.AUG.2019 15:06:33

NB-IoT In-band band 26 26915 QPSK(99%)



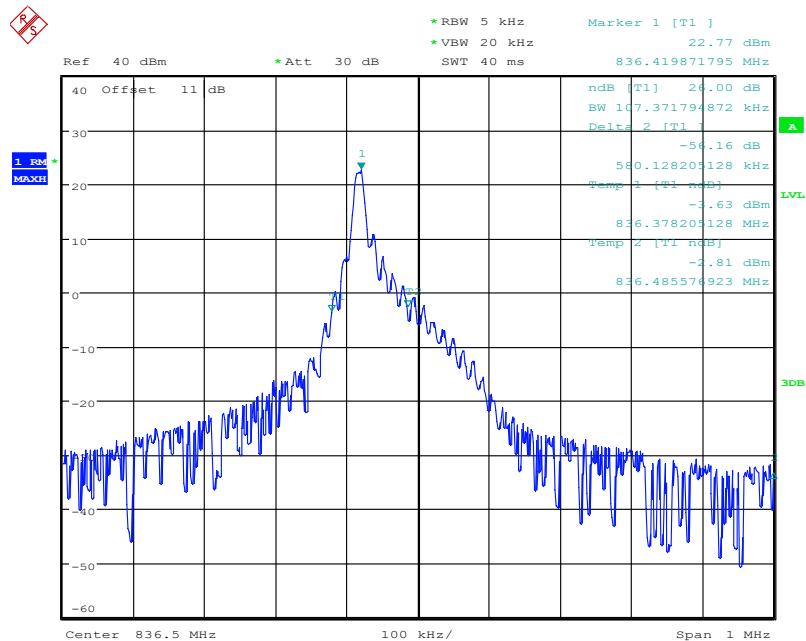
Date: 5.SEP.2019 14:55:02

NB-IoT In-band band 26 26915 BPSK(99%)



Date: 16.AUG.2019 15:06:03

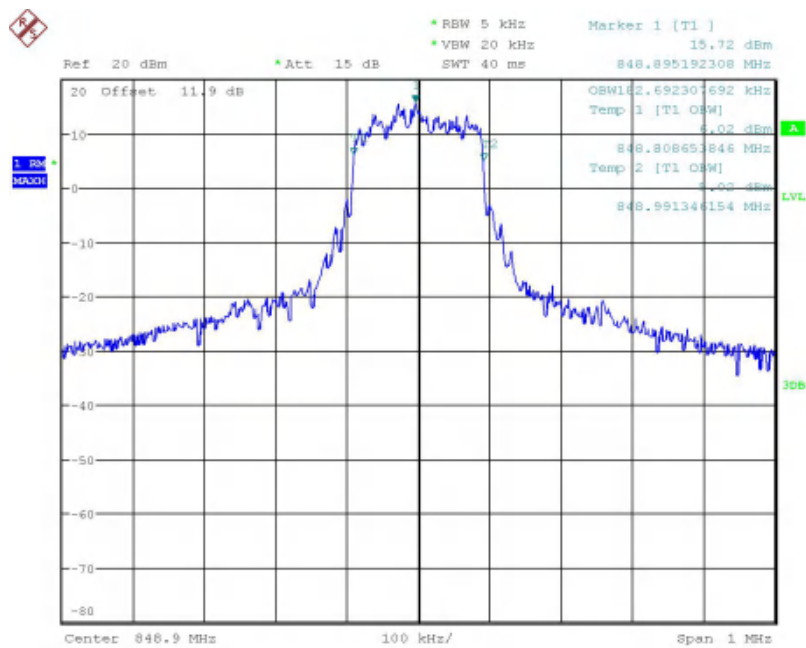
NB-IoT In-band band 26 26915 QPSK(26dB)



Date: 5.SEP.2019 14:54:49

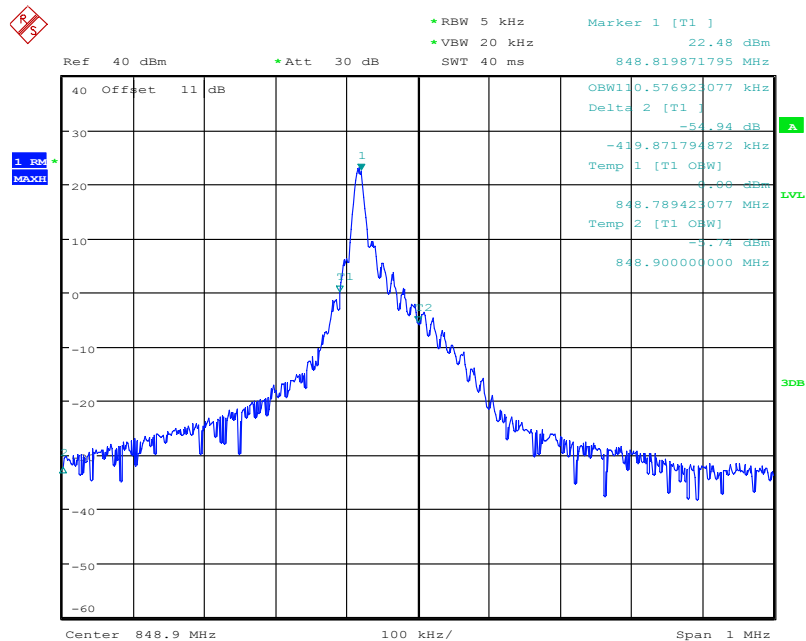
NB-IoT In-band band 26 26915 BPSK(26dB)

Report No.:B19W50105-WWAN_Rev7



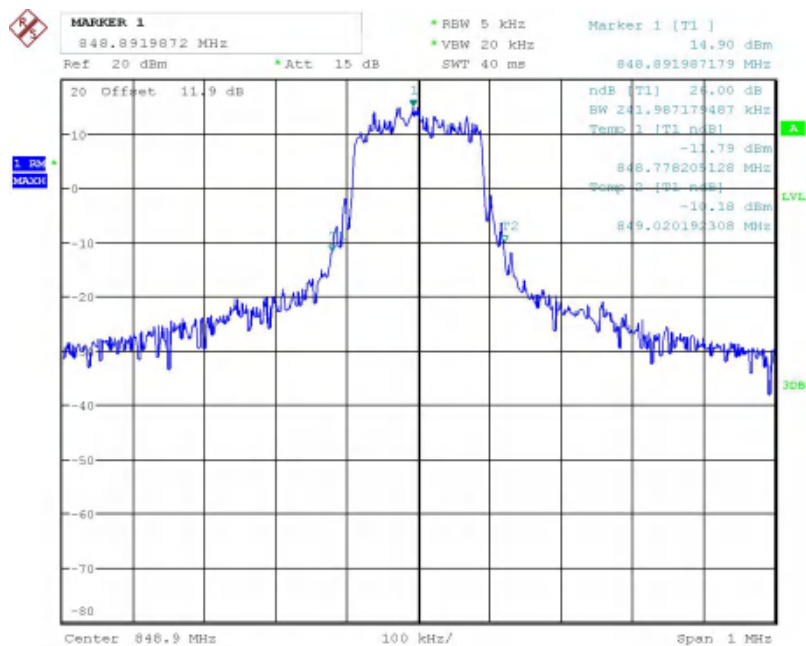
Date: 16.AUG.2019 15:08:22

NB-IoT In-band band 26 27039 QPSK(99%)



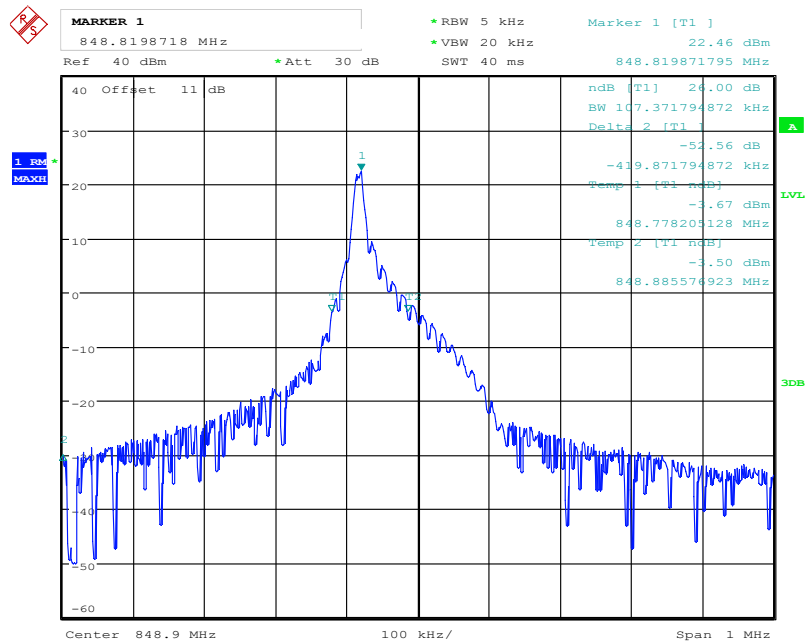
Date: 5.SEP.2019 14:53:57

NB-IoT In-band band 26 27039 BPSK(99%)



Date: 16.AUG.2019 15:08:51

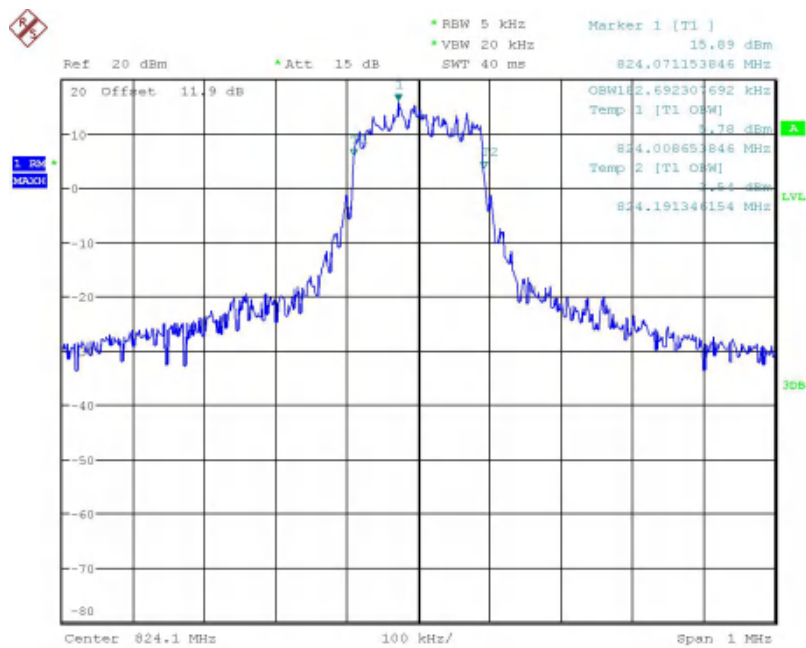
NB-IoT In-band band 26 27039 QPSK(26dB)



Date: 5.SEP.2019 14:54:14

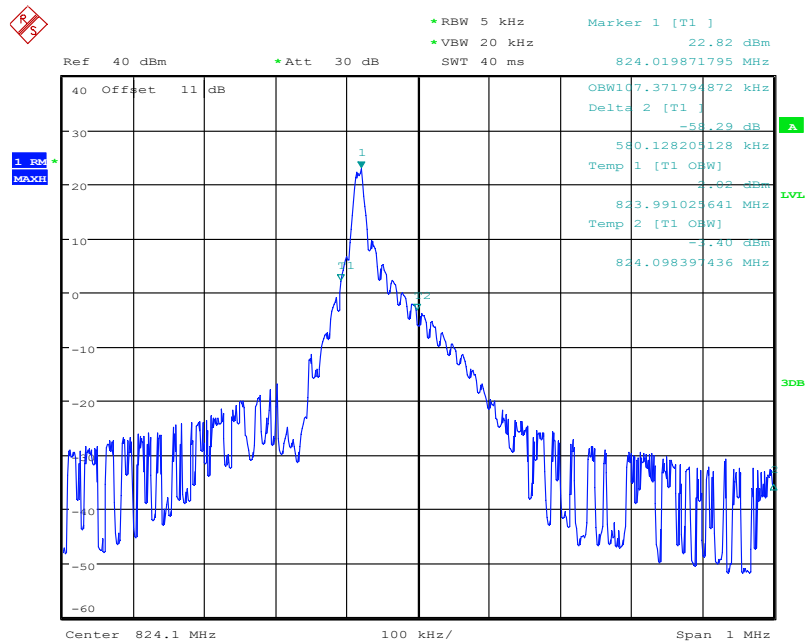
NB-IoT In-band band 26 27039 BPSK(26dB)

Report No.:B19W50105-WWAN_Rev7



Date: 16.AUG.2019 15:15:55

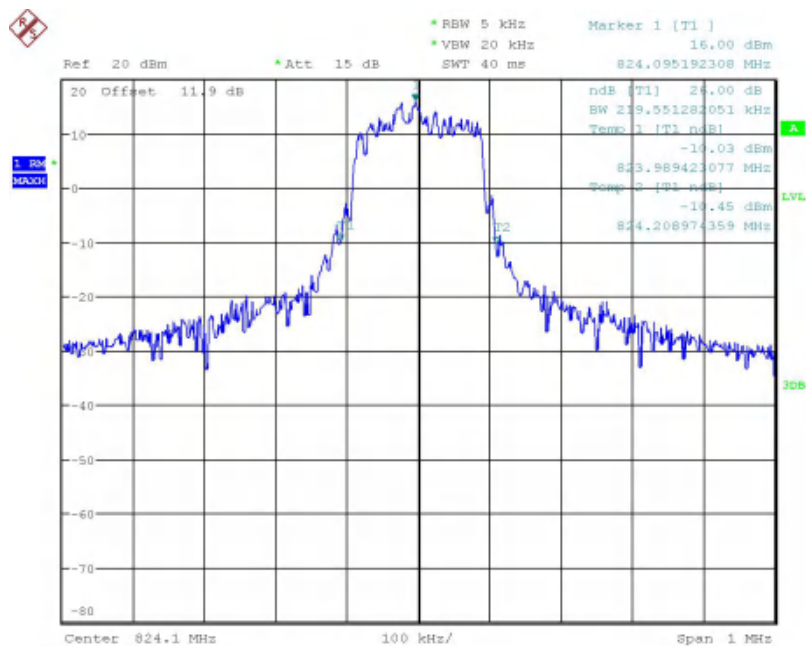
NB-IoT Guard-band band 26 26791 QPSK(99%)



Date: 5.SEP.2019 14:56:52

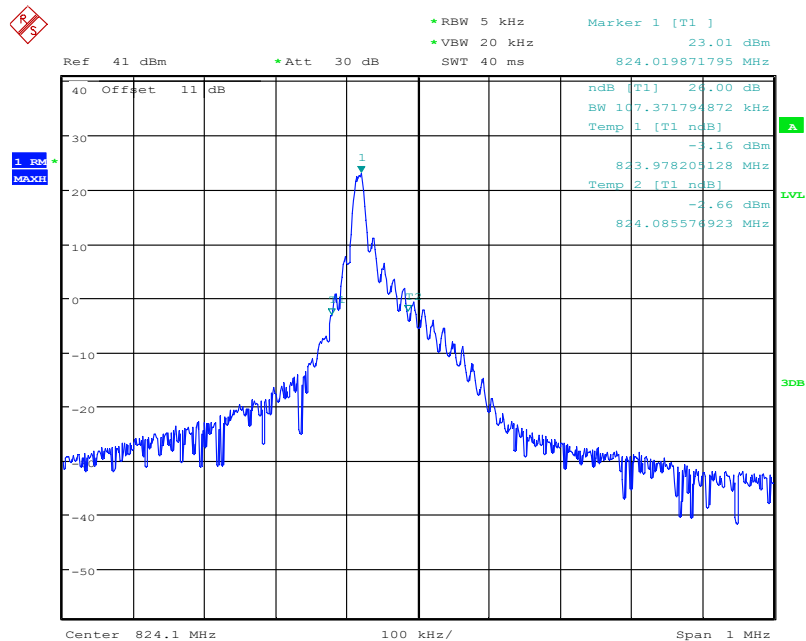
NB-IoT Guard-band band 26 26791 BPSK(99%)

Report No.:B19W50105-WWAN_Rev7



Date: 16.AUG.2019 15:15:21

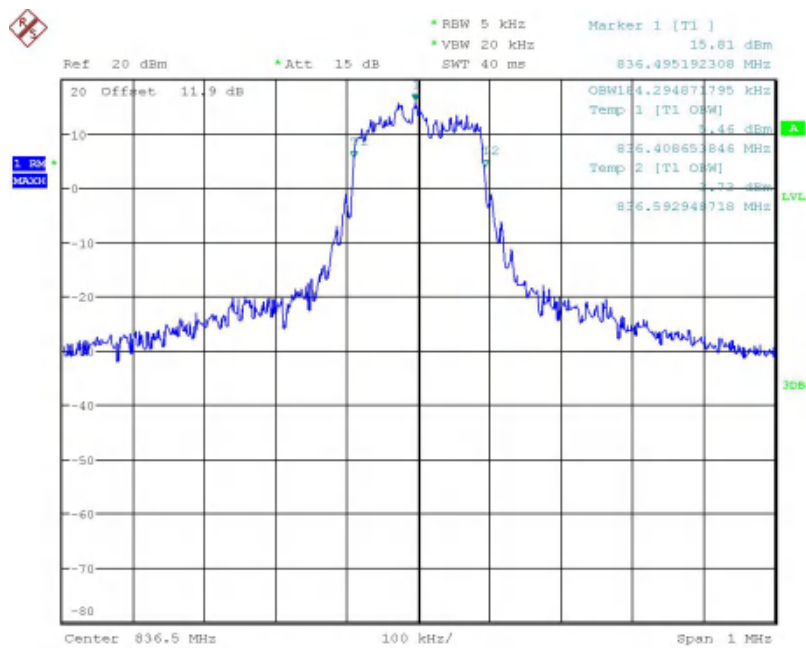
NB-IoT Guard-band band 26 26791 QPSK(26dB)



Date: 6.SEP.2019 13:24:25

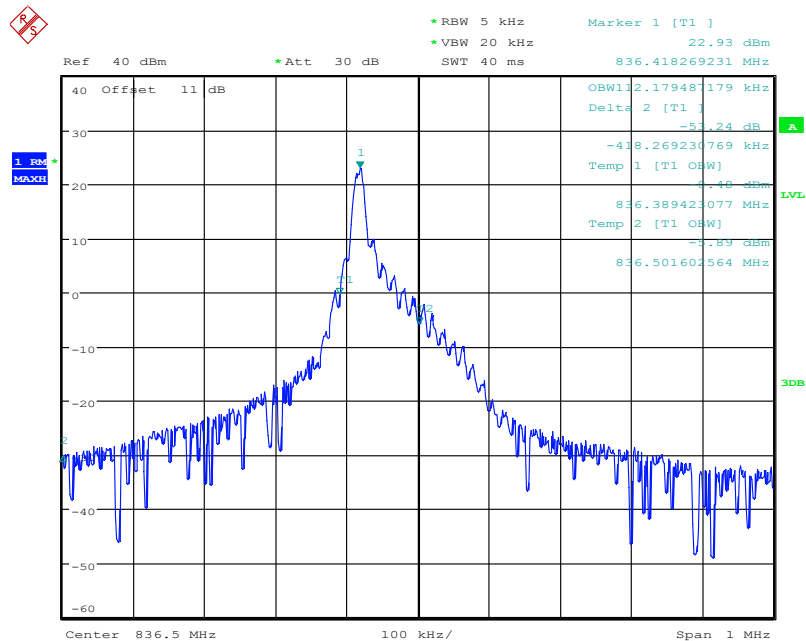
NB-IoT Guard-band band 26 26791 BPSK(26dB)

Report No.:B19W50105-WWAN_Rev7



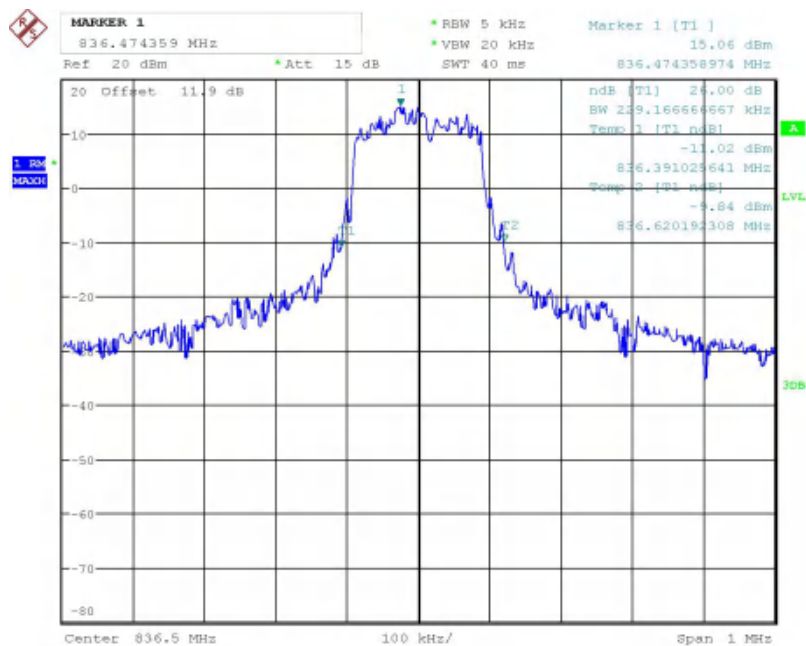
Date: 16.AUG.2019 15:17:36

NB-IoT Guard-band band 26 26915 QPSK(99%)



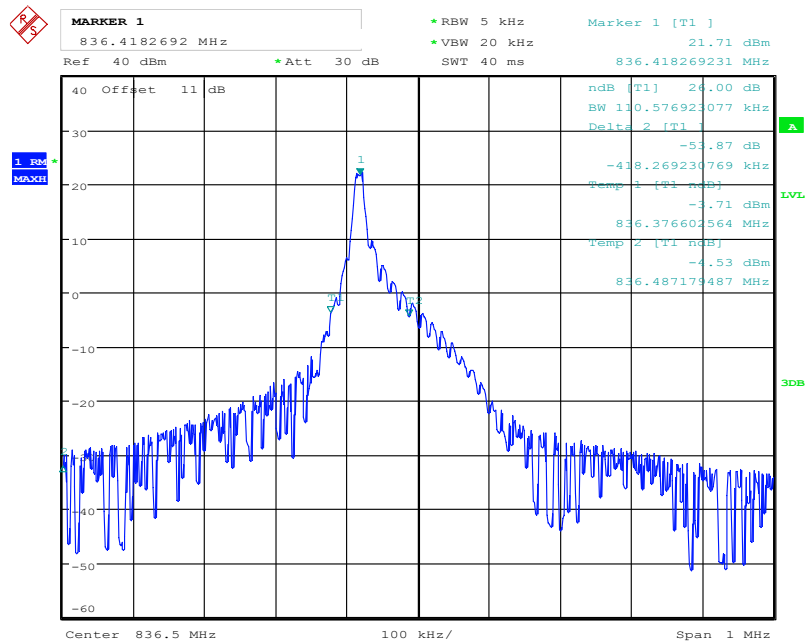
Date: 5.SEP.2019 14:57:32

NB-IoT Guard-band band 26 26915 BPSK(99%)



Date: 16.AUG.2019 15:18:25

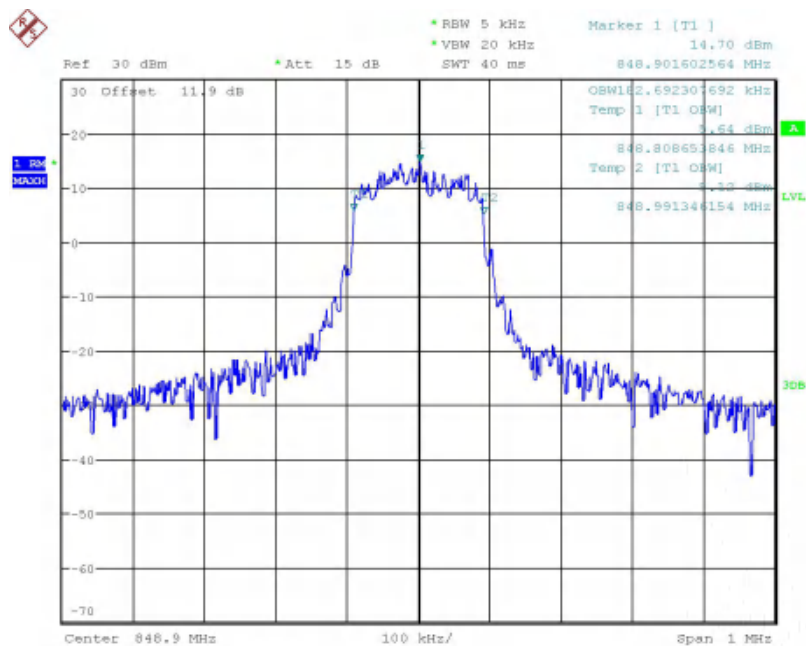
NB-IoT Guard-band band 26 26915 QPSK(26dB)



Date: 5.SEP.2019 14:57:50

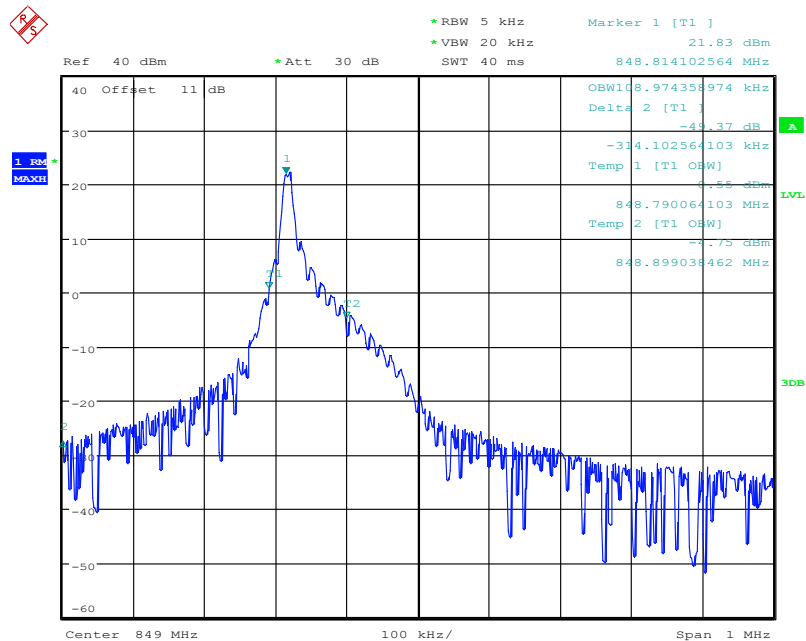
NB-IoT Guard-band band 26 26915 BPSK(26dB)

Report No.:B19W50105-WWAN_Rev7



Date: 16.AUG.2019 15:25:56

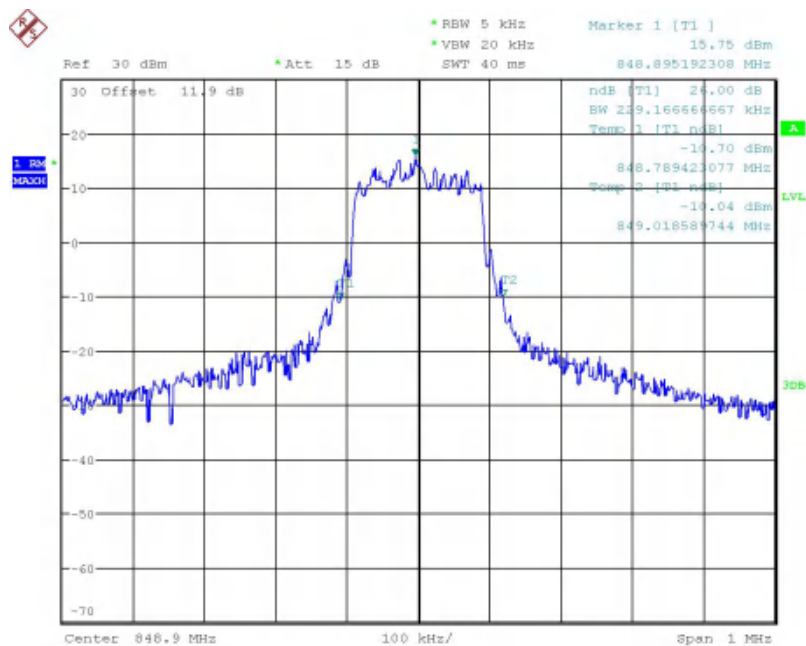
NB-IoT Guard-band band 26 27039 QPSK(99%)



Date: 5.SEP.2019 14:58:57

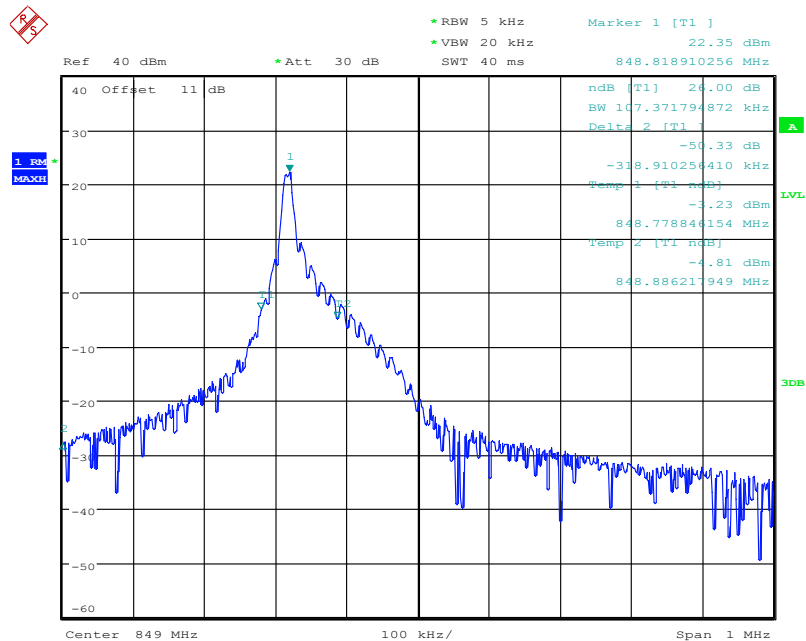
NB-IoT Guard-band band 26 27039 BPSK(99%)

Report No.:B19W50105-WWAN_Rev7



Date: 16.AUG.2019 15:25:25

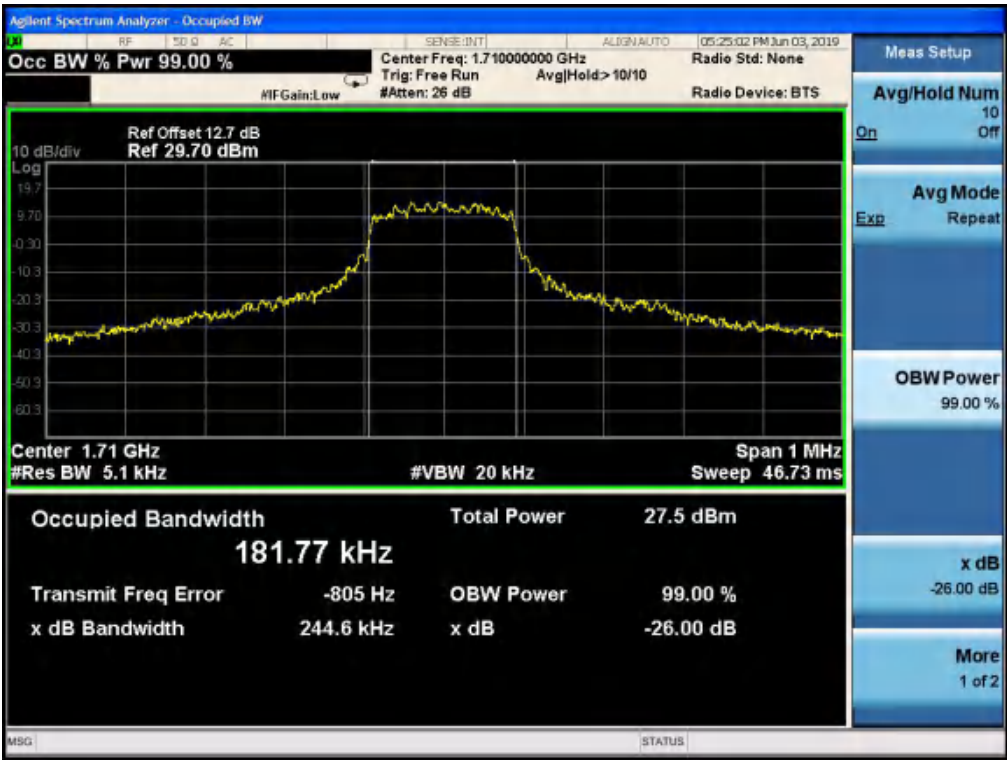
NB-IoT Guard-band band 26 27039 QPSK(26dB)



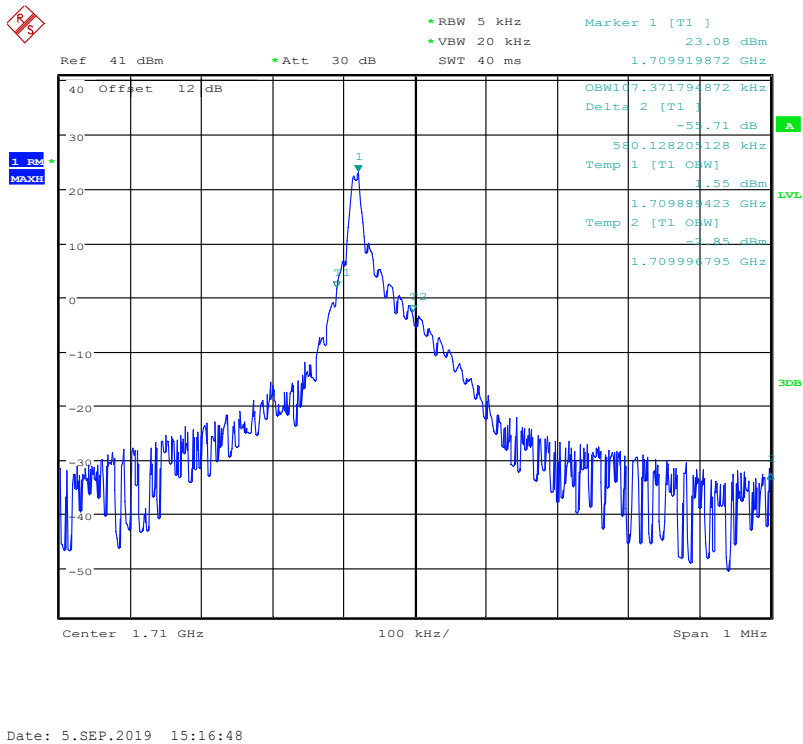
Date: 5.SEP.2019 14:58:38

NB-IoT Guard-band band 26 27039 BPSK(26dB)

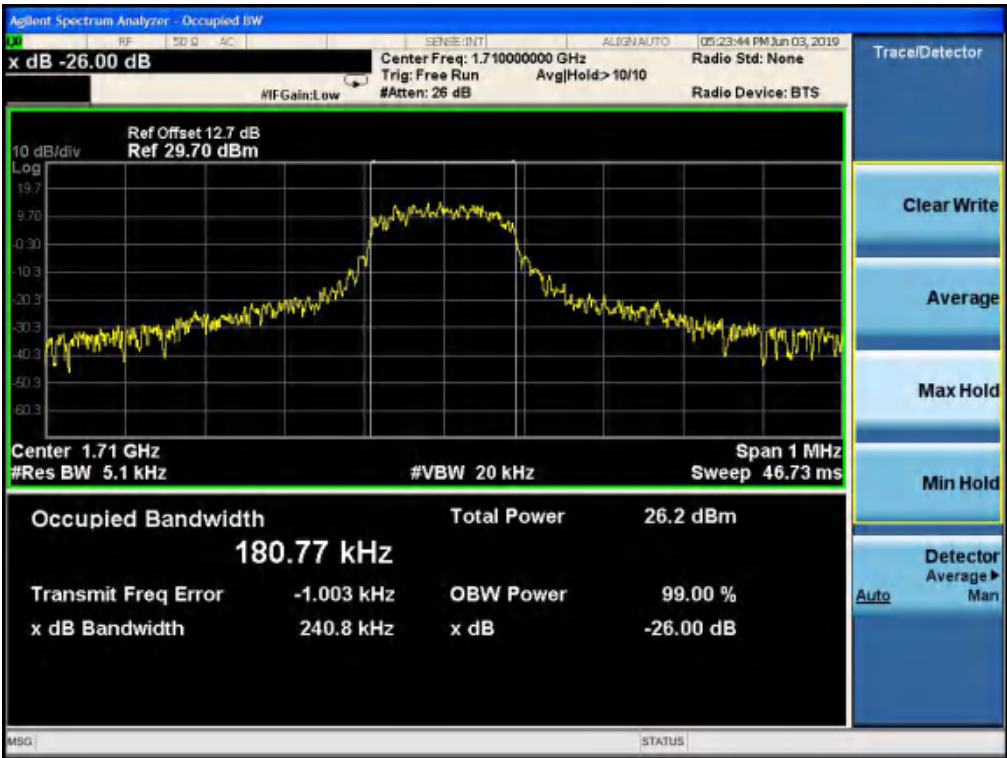
Graphical results for Band66:



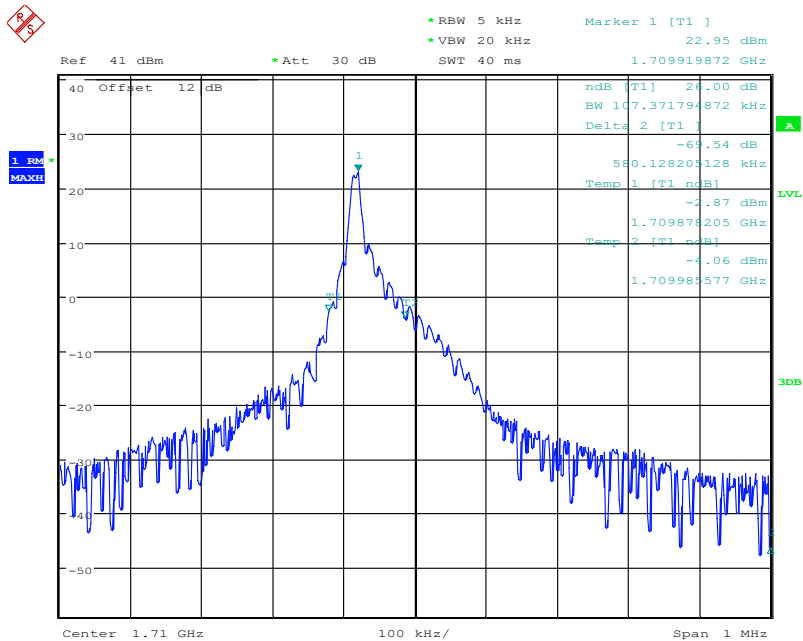
NB-IoT standalone band 66 131972 QPSK(99%)



NB-IoT standalone band 66 131972 BPSK(99%)



NB-IoT standalone band 66 131972 QPSK(26dB)

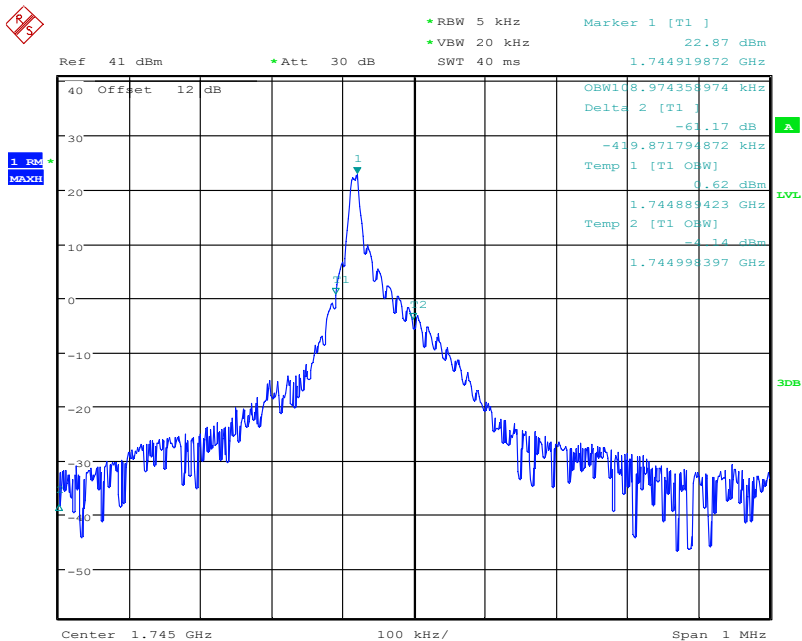


Date: 5.SEP.2019 15:16:33

NB-IoT standalone band 66 131972 BPSK(26dB)

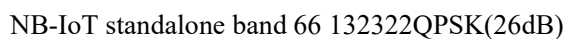


NB-IoT standalone band 66 132322 QPSK(99%)



Date: 5.SEP.2019 15:17:35

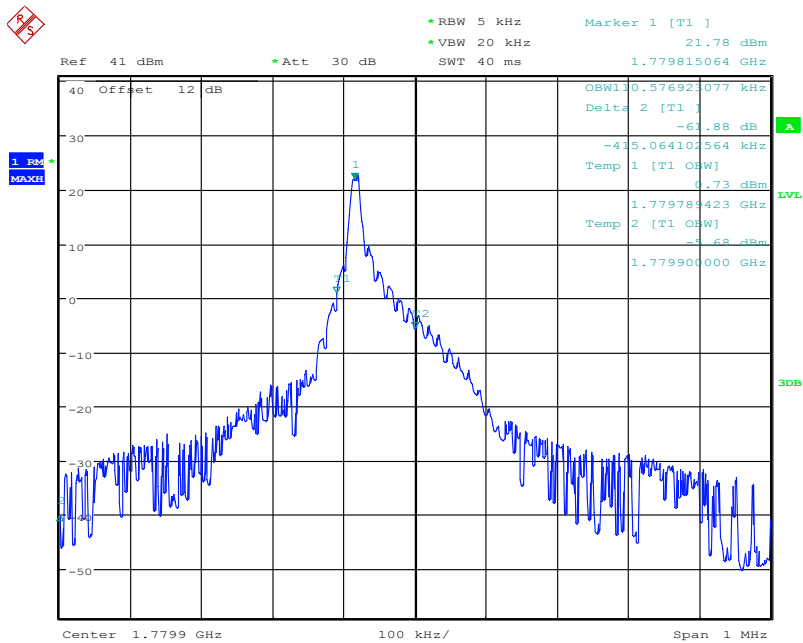
NB-IoT standalone band 66 132322 BPSK(99%)



NB-IoT standalone band 66 132322BPSK(26dB)



NB-IoT standalone band 66 132671 QPSK(99%)

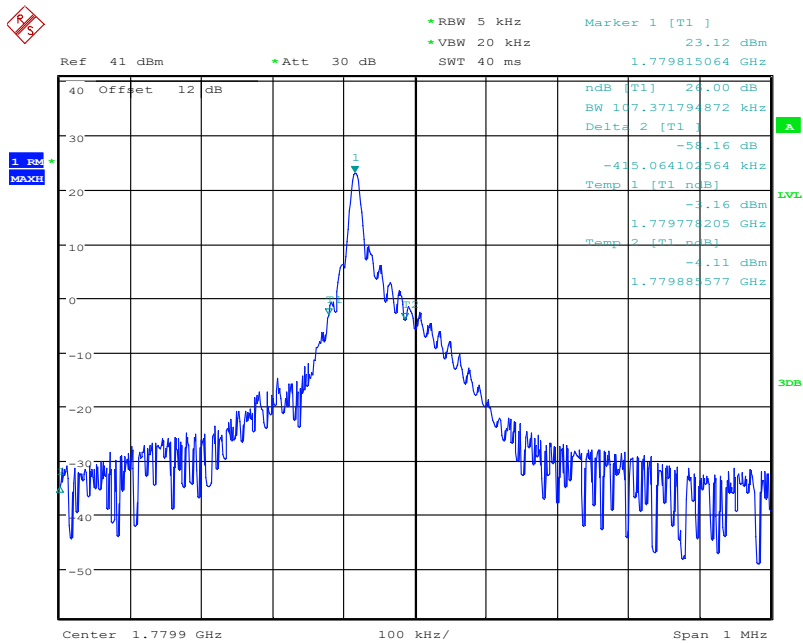


Date: 5.SEP.2019 15:18:58

NB-IoT standalone band 66 132671 BPSK(99%)

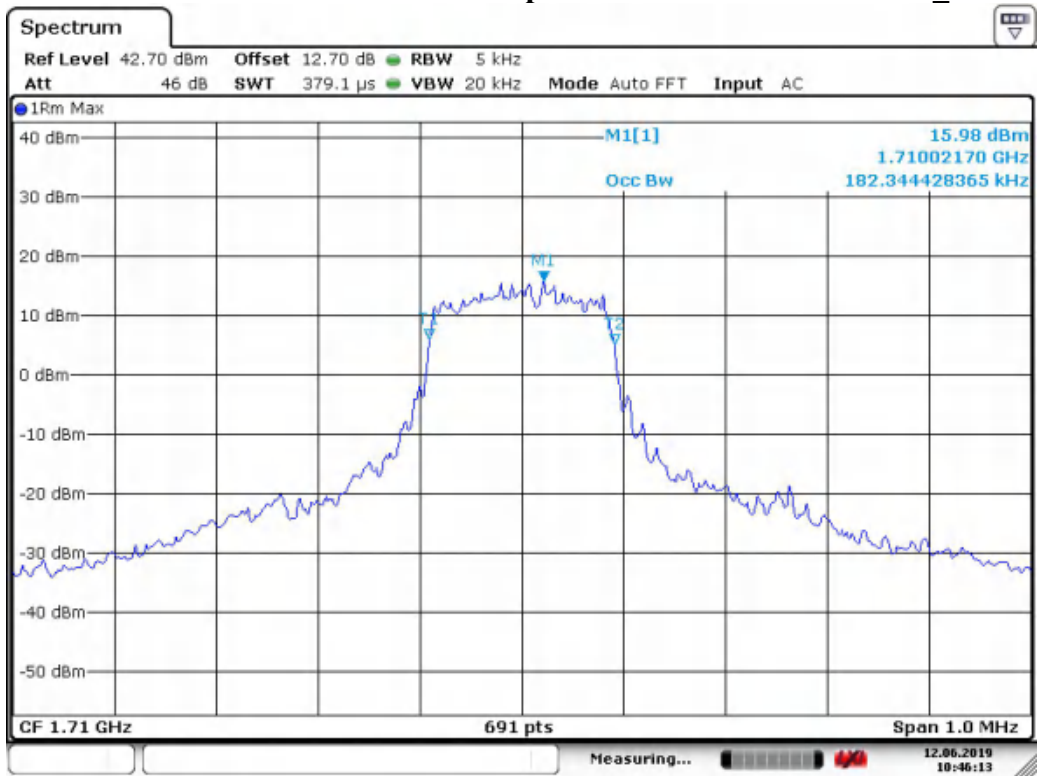


NB-IoT standalone band 66 132671 QPSK(26dB)



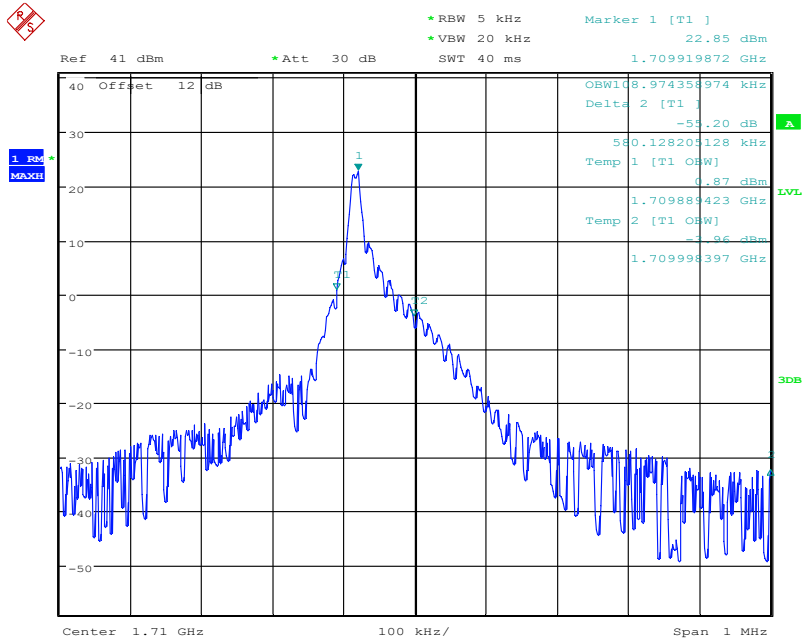
Date: 5.SEP.2019 15:18:44

NB-IoT standalone band 66 132671 BPSK(26dB)



Date: 12.JUN.2019 10:46:13

NB-IoT In-band band 66 131972 QPSK(99%)



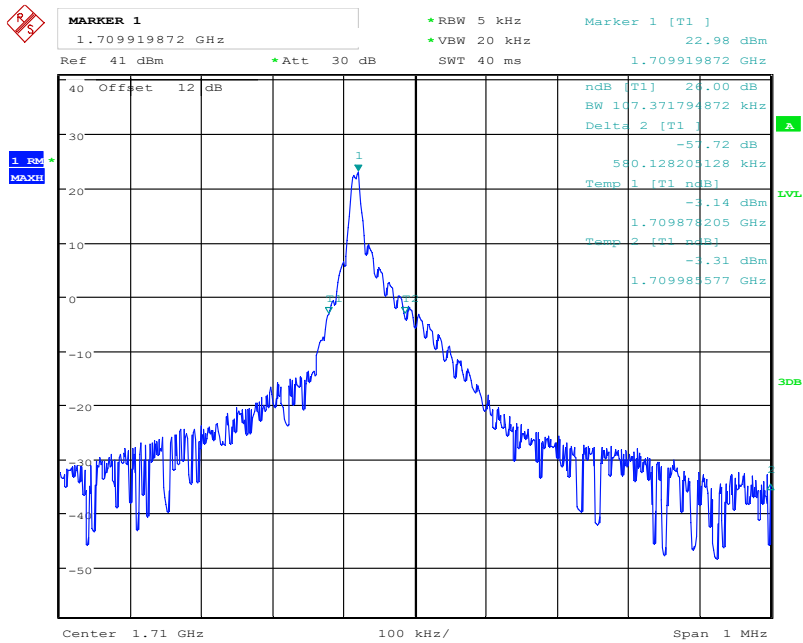
Date: 5.SEP.2019 15:15:13

NB-IoT In-band band 66 131972 BPSK(99%)



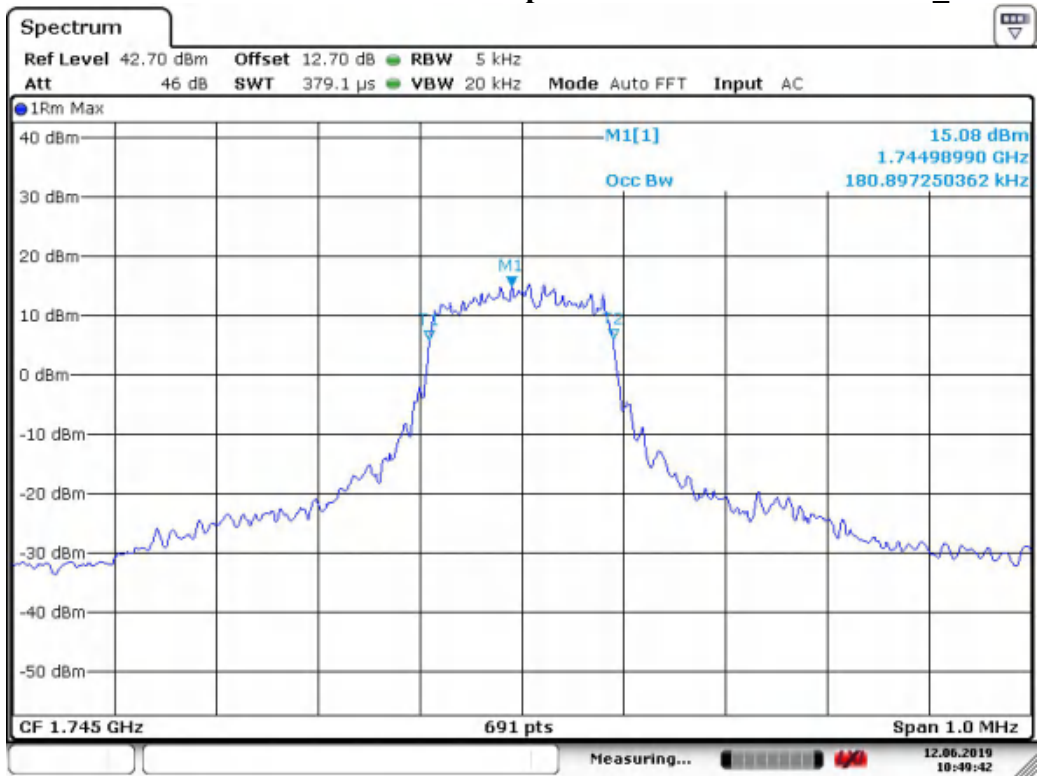
Date: 12.JUN.2019 10:47:14

NB-IoT In-band band 66 131972 QPSK(26dB)



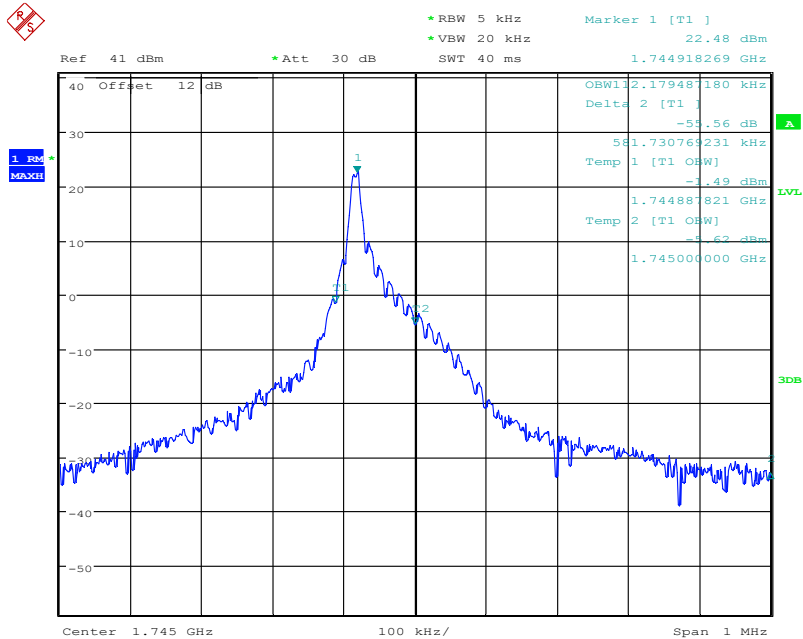
Date: 5.SEP.2019 15:15:37

NB-IoT In-band band 66 131972 BPSK(26dB)



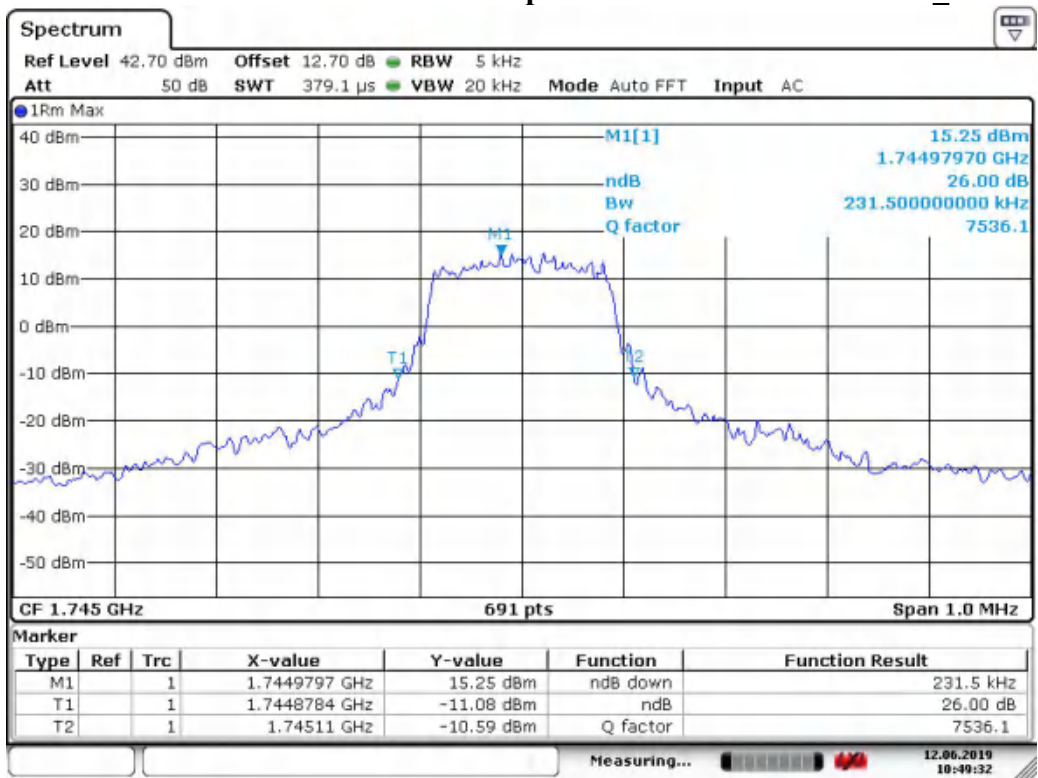
Date: 12.JUN.2019 10:49:42

NB-IoT In-band band 66 132322 QPSK(99%)



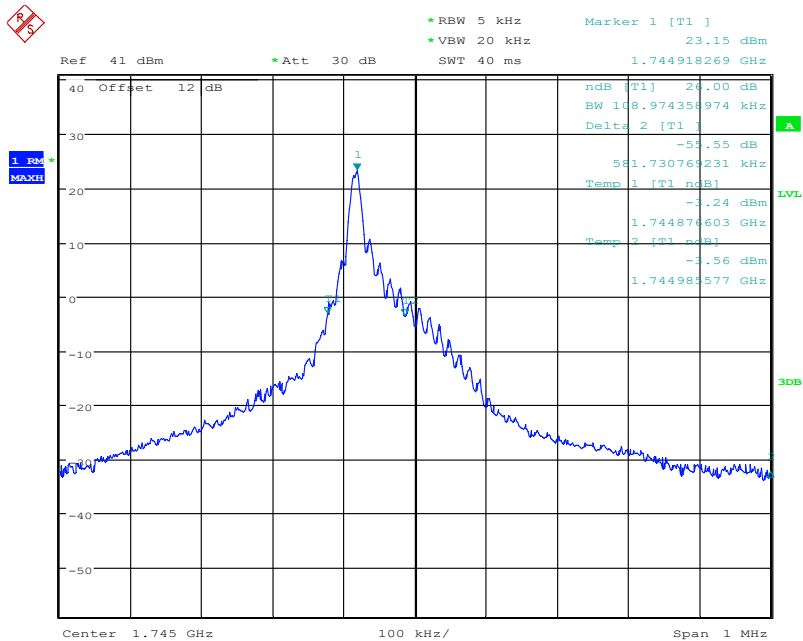
Date: 5.SEP.2019 15:14:13

NB-IoT In-band band 66 132322 BPSK(99%)



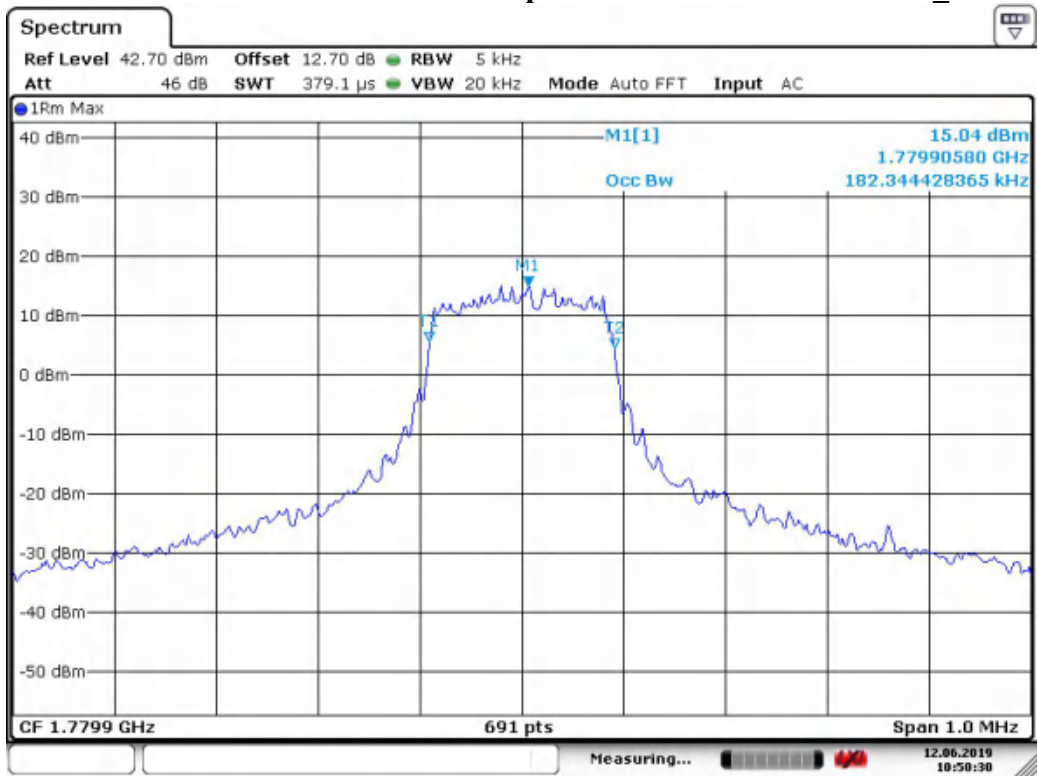
Date: 12 JUN 2019 10:49:32

NB-IoT In-band band 66 132322 QPSK(26dB)



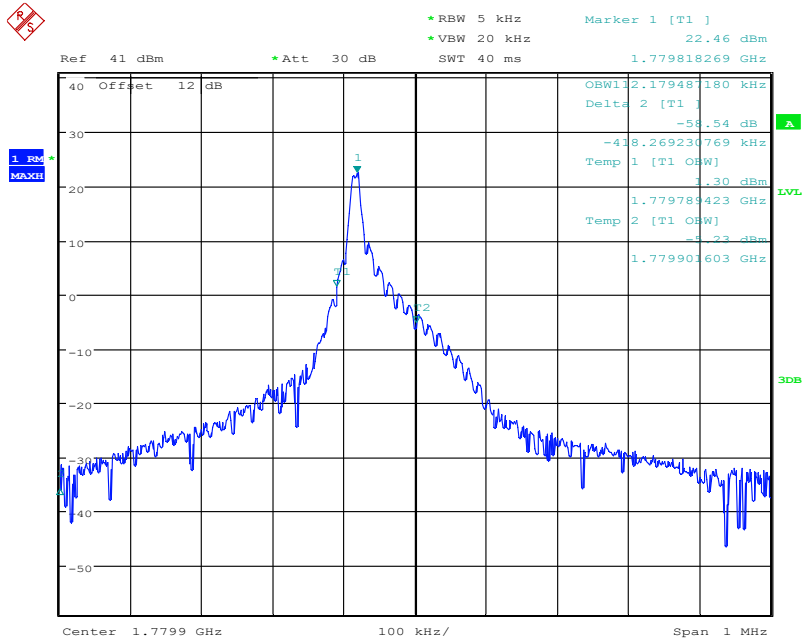
Date: 5.SEP.2019 15:13:25

NB-IoT In-band band 66 132322 BPSK(26dB)



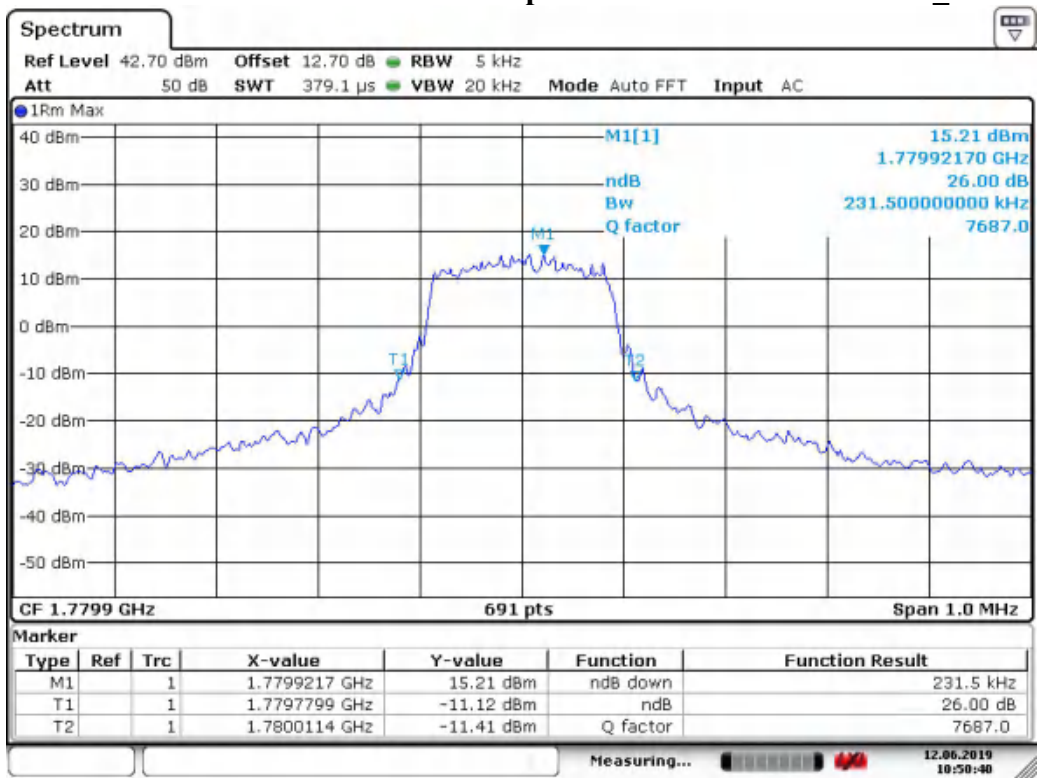
Date: 12 JUN 2019 10:50:29

NB-IoT In-band band 66 132671 QPSK(99%)



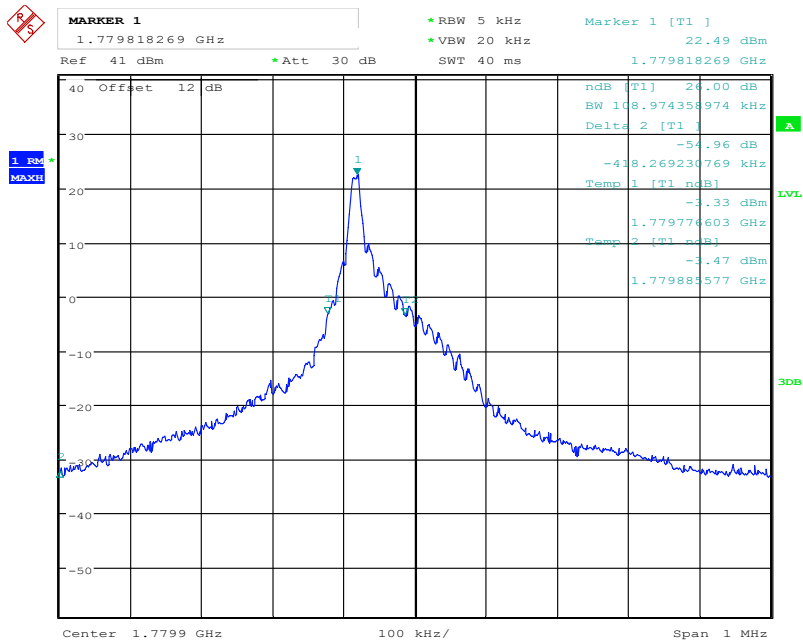
Date: 5 SEP 2019 15:08:07

NB-IoT In-band band 66 132671 BPSK(99%)



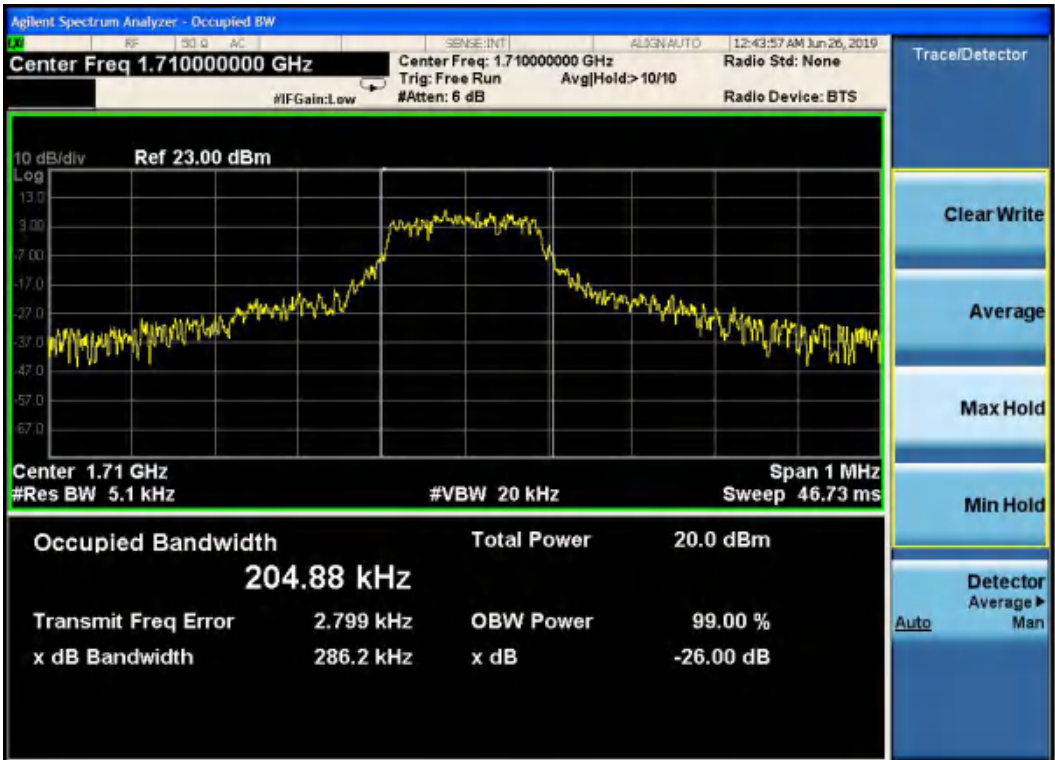
Date: 12 JUN 2019 10:50:40

NB-IoT In-band band 66 132671 QPSK(26dB)

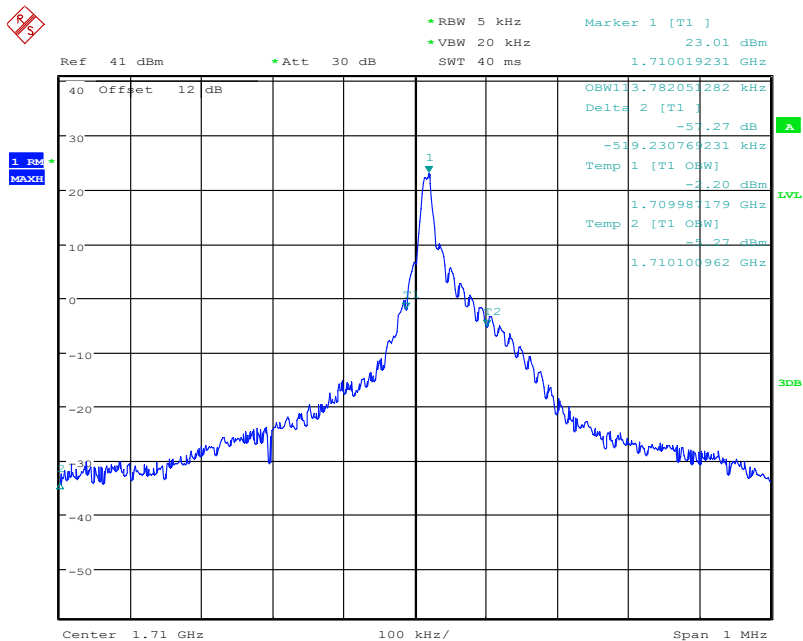


Date: 5.SEP.2019 15:10:27

NB-IoT In-band band 66 132671 BPSK(26dB)

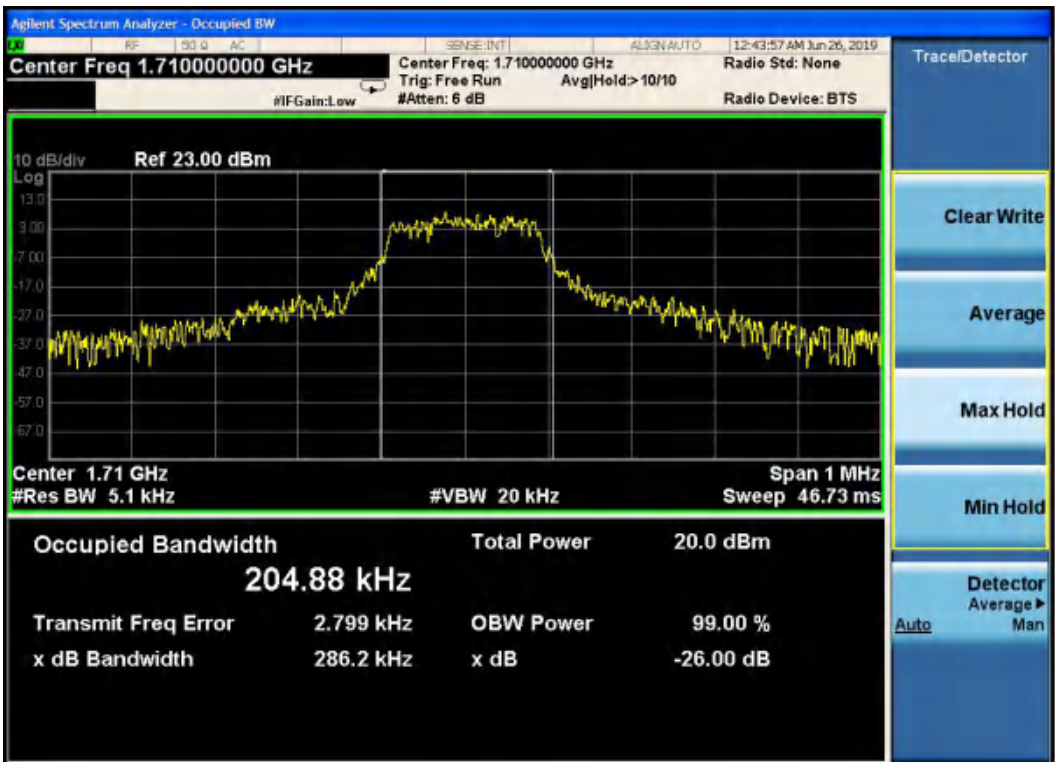


NB-IoT Guard-band band 66 131972 QPSK(99%)

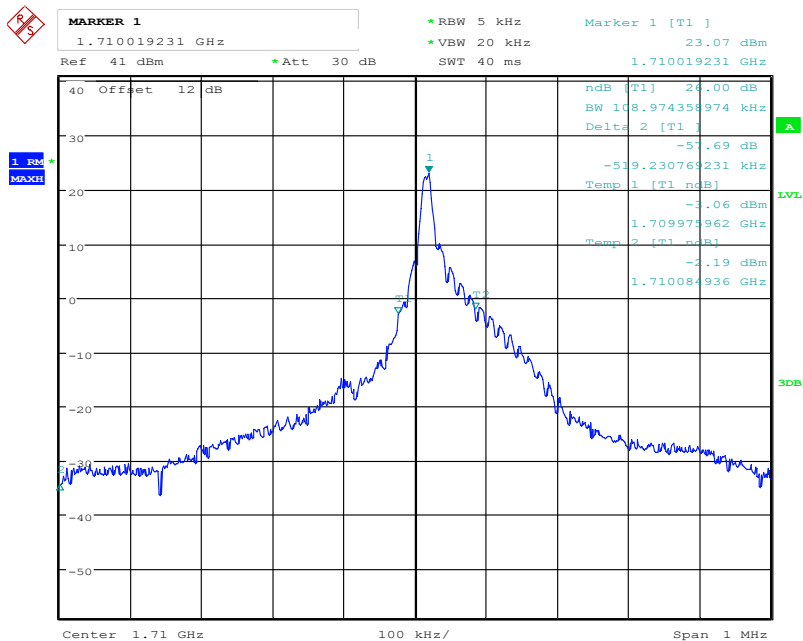


Date: 5.SEP.2019 15:04:02

NB-IoT Guard-band band 66 131972 BPSK(99%)

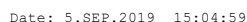
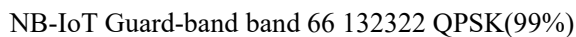


NB-IoT Guard-band band 66 131972 QPSK(26dB)



Date: 5.SEP.2019 15:02:45

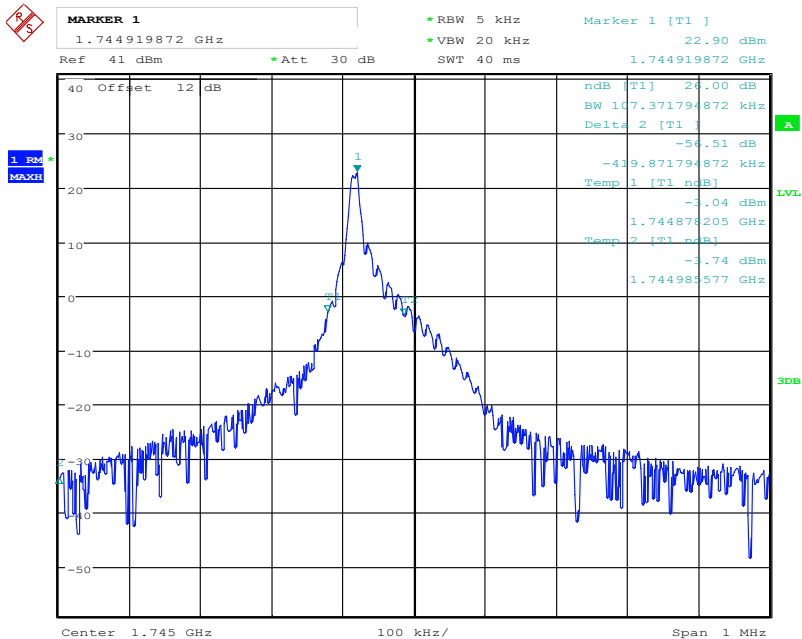
NB-IoT Guard-band band 66 131972 BPSK(26dB)



NB-IoT Guard-band band 66 132322 BPSK(99%)



NB-IoT Guard-band band 66 132322 QPSK(26dB)

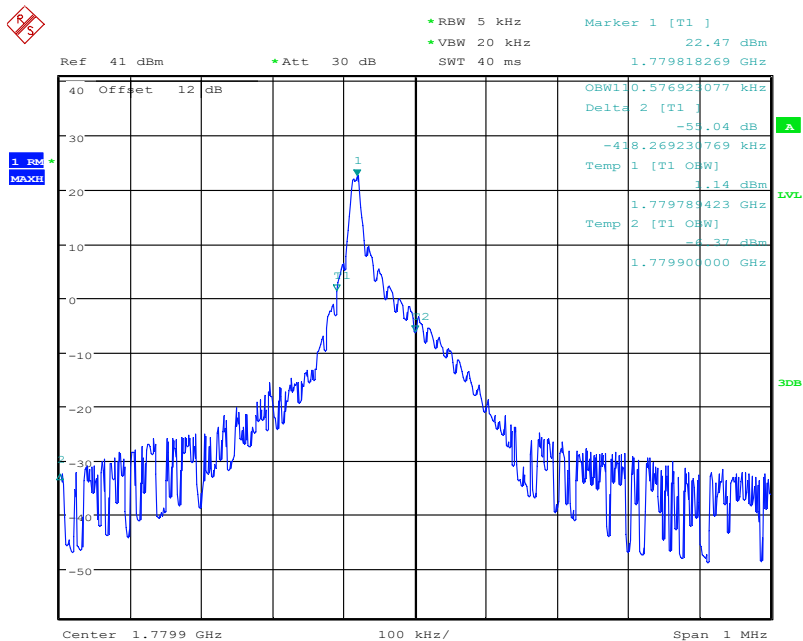


Date: 5.SEP.2019 15:05:18

NB-IoT Guard-band band 66 132322 BPSK(26dB)



NB-IoT Guard-band band 66 132671 QPSK(99%)

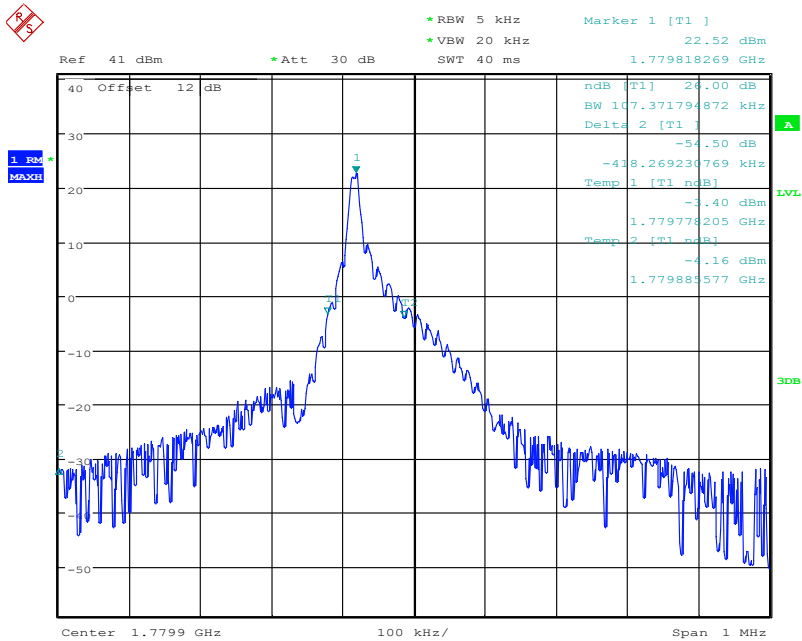


Date: 5.SEP.2019 15:06:58

NB-IoT Guard-band band 66 132671 BPSK(99%)



NB-IoT Guard-band band 66 132671 QPSK(26dB)



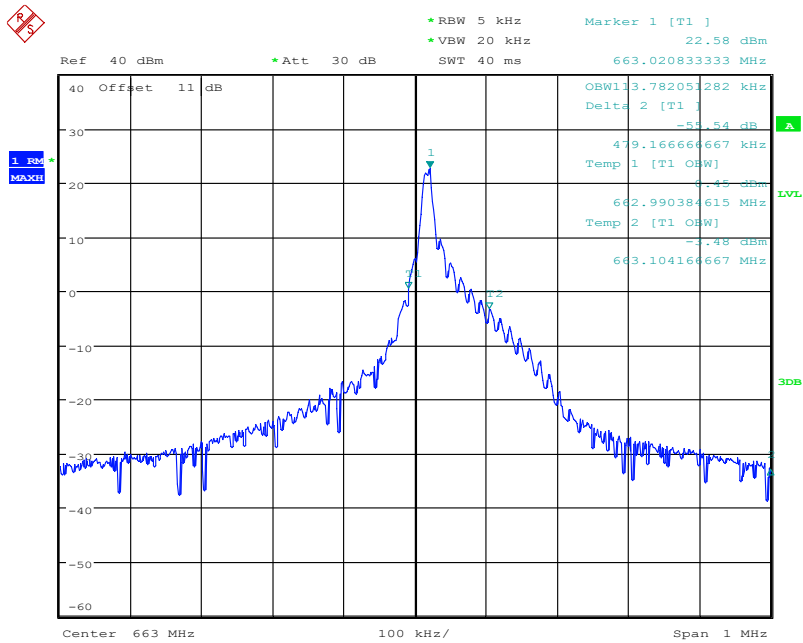
Date: 5.SEP.2019 15:06:41

NB-IoT Guard-band band 66 132671 BPSK(26dB)

Graphical results for Band71:



NB-IoT standalone band 71 133122 QPSK(99%)

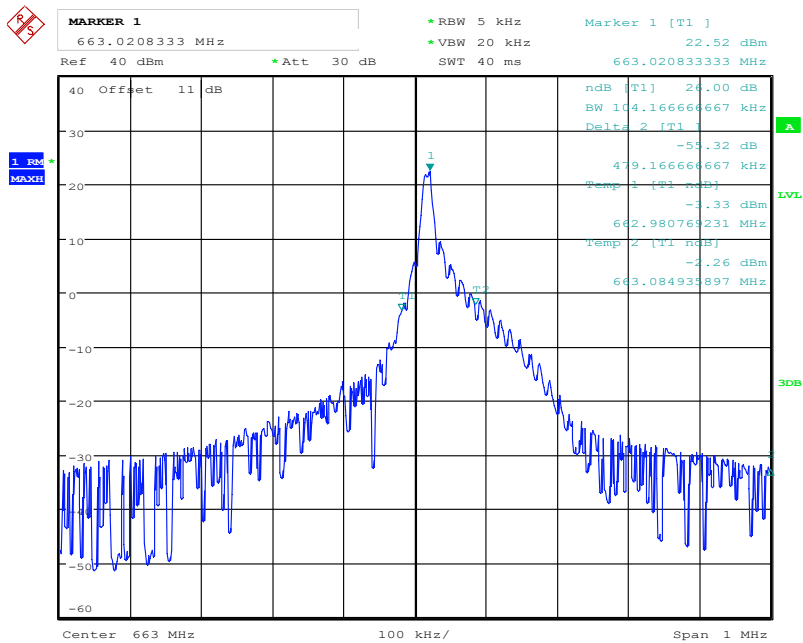


Date: 5.SEP.2019 15:22:31

NB-IoT standalone band 71 133122 BPSK(99%)



NB-IoT standalone band 71 133122 QPSK(26dB)

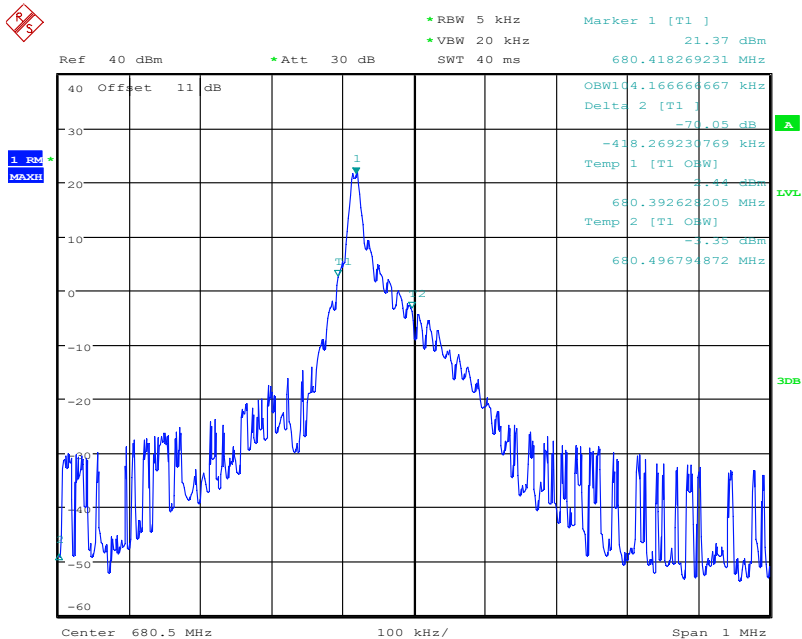


Date: 5.SEP.2019 15:22:44

NB-IoT standalone band 71 133122 BPSK(26dB)

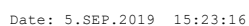
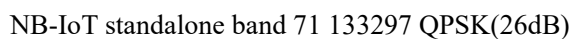


NB-IoT standalone band 71 133297 QPSK(99%)



Date: 5.SEP.2019 15:23:25

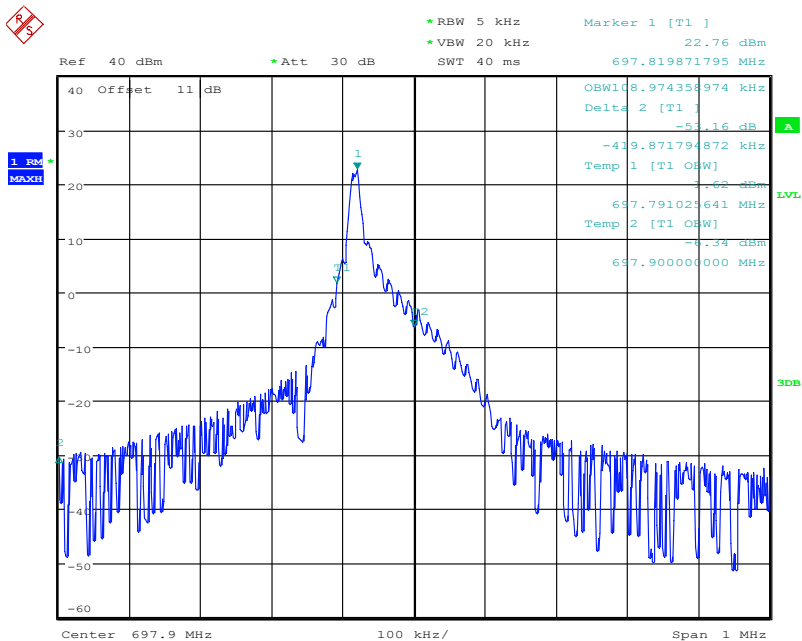
NB-IoT standalone band 71 133297 BPSK(99%)



NB-IoT standalone band 71 133297 BPSK(26dB)



NB-IoT standalone band 71 133471 QPSK(99%)

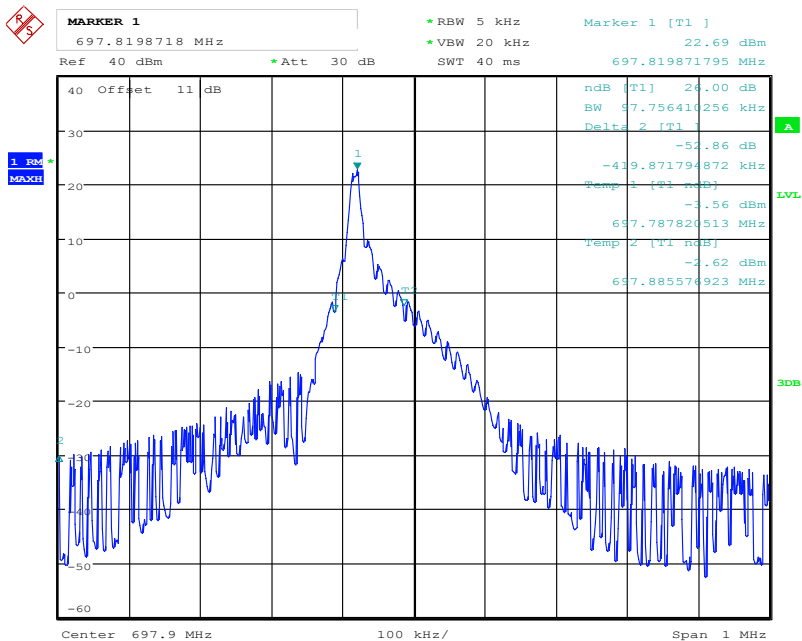


Date: 5.SEP.2019 15:23:56

NB-IoT standalone band 71 133471 BPSK(99%)

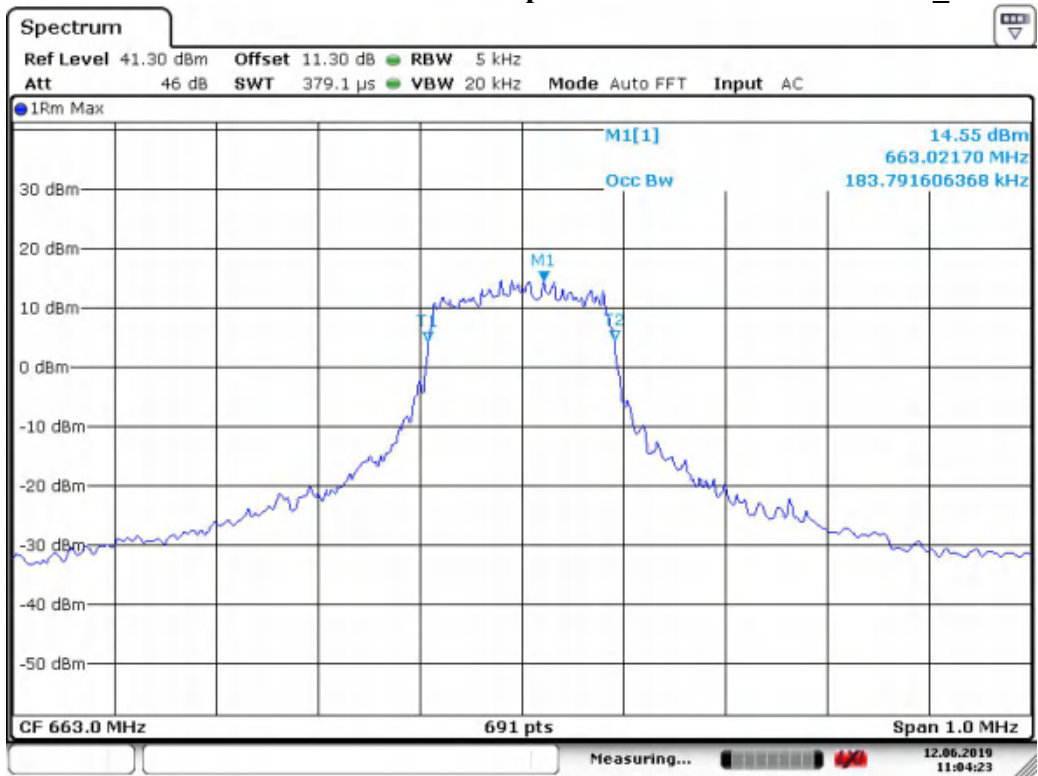


NB-IoT standalone band 71 133471 QPSK(26dB)



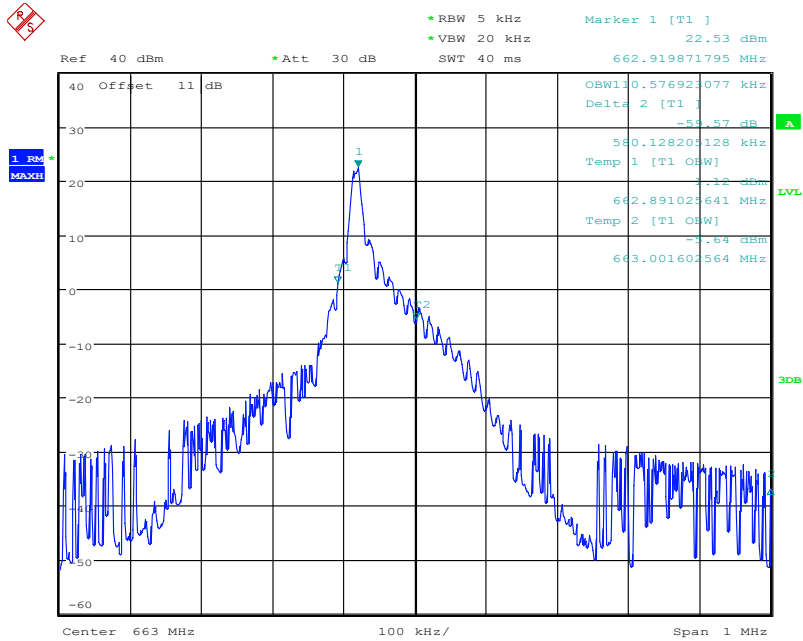
Date: 5.SEP.2019 15:24:06

NB-IoT standalone band 71 133471 BPSK(26dB)



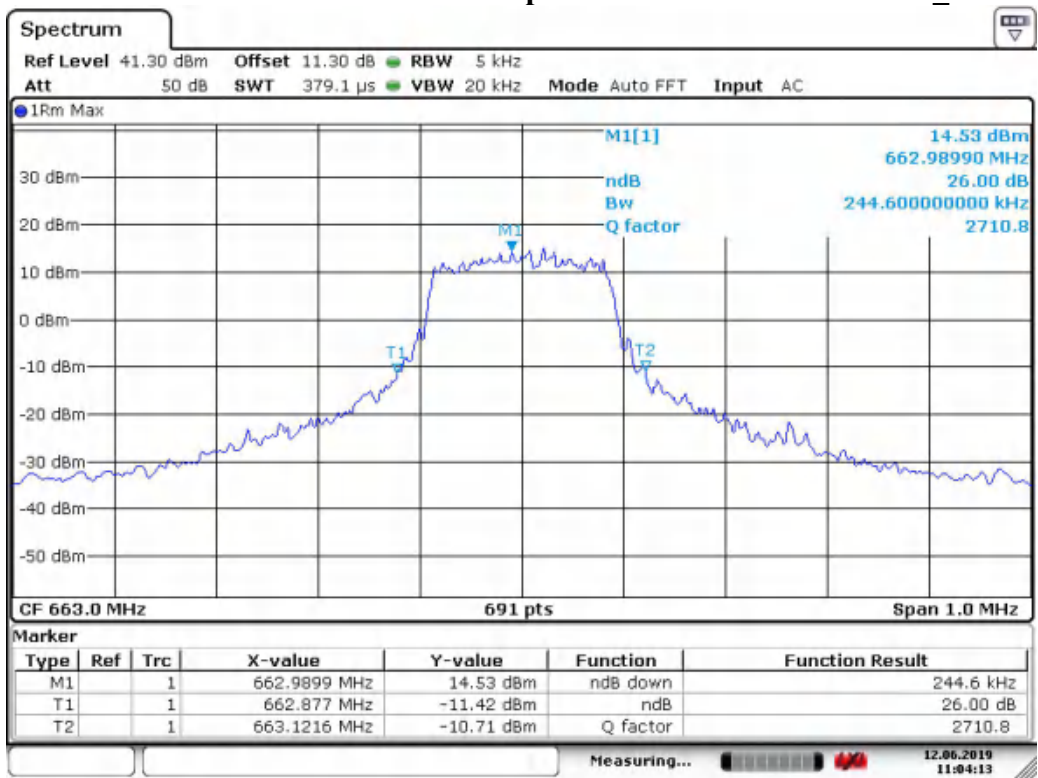
Date: 12.JUN.2019 11:04:23

NB-IoT In-band band 71 133122 QPSK(99%)



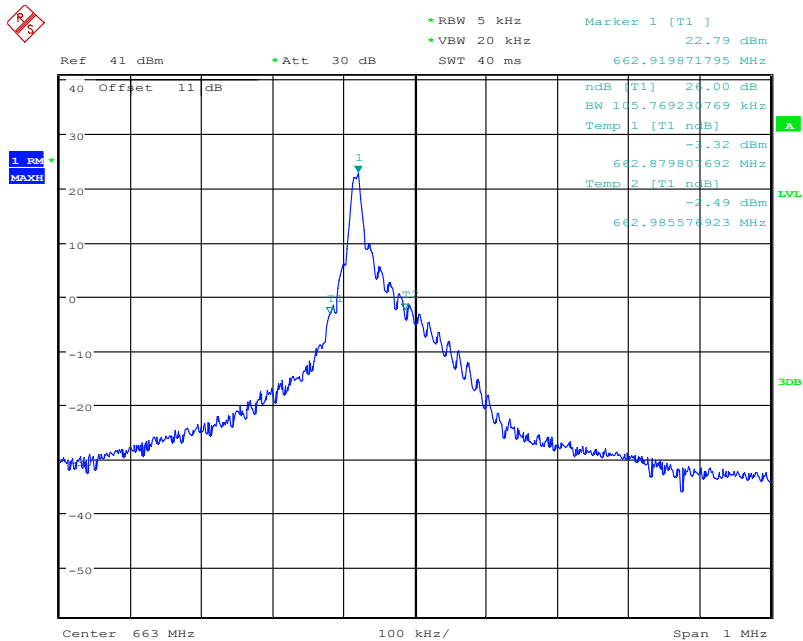
Date: 5.SEP.2019 15:26:52

NB-IoT In-band band 71 133122 BPSK(99%)



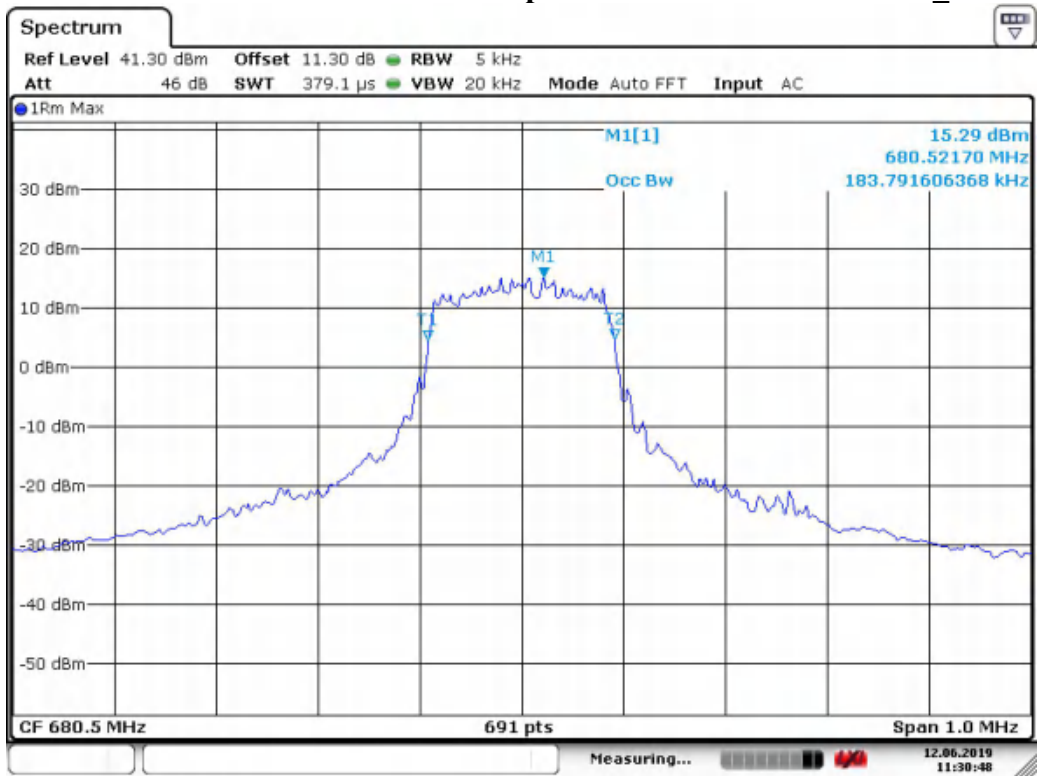
Date: 12.JUN.2019 11:04:13

NB-IoT In-band band 71 133122 QPSK(26dB)



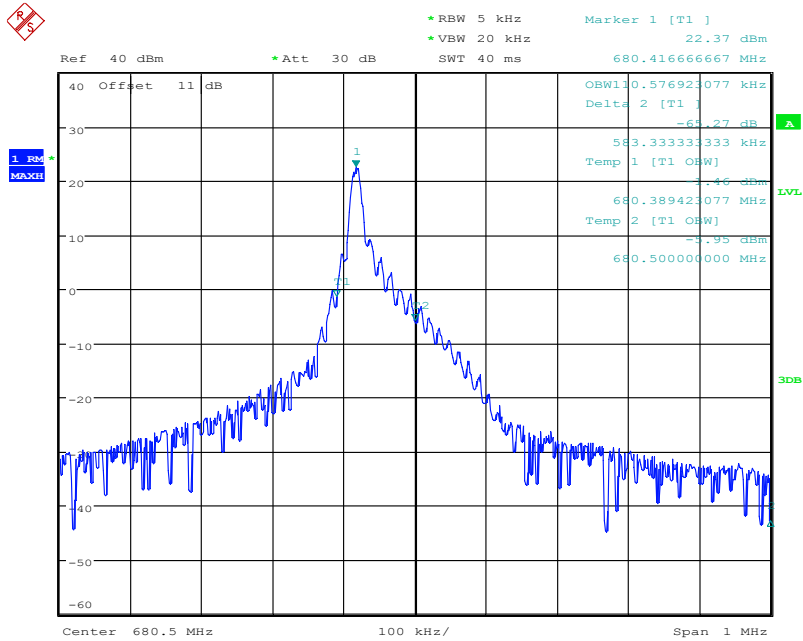
Date: 6.SEP.2019 13:26:32

NB-IoT In-band band 71 133122 BPSK(26dB)



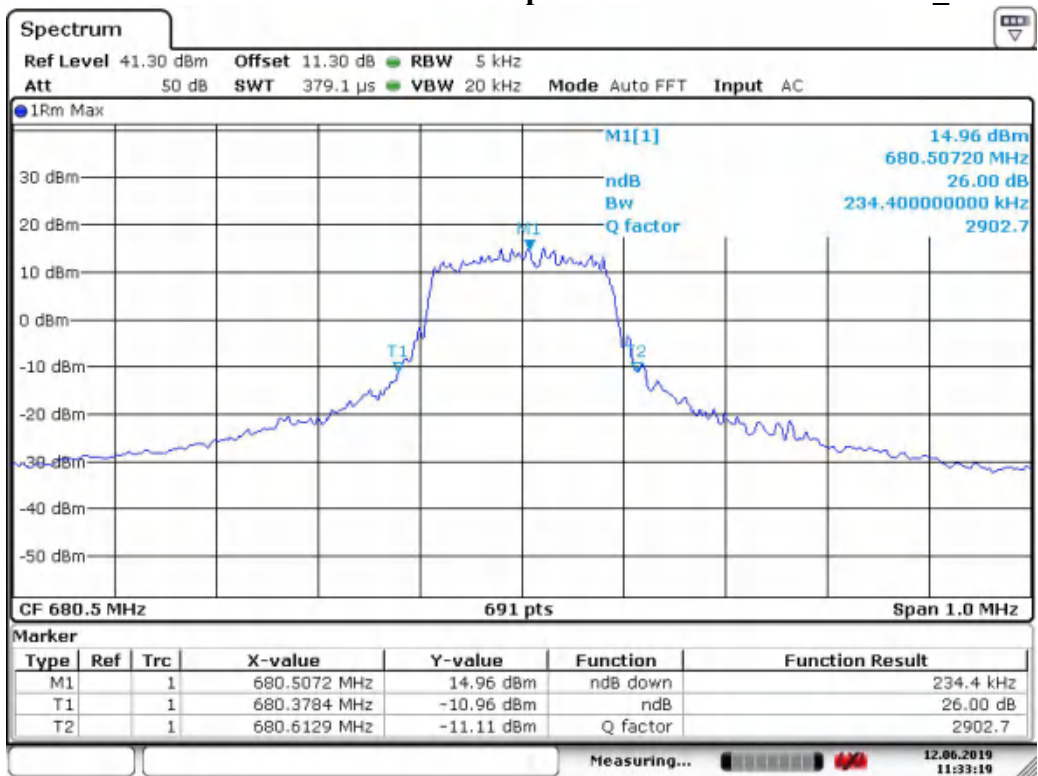
Date: 12 JUN 2019 11:30:48

NB-IoT In-band band 71 133297 QPSK(99%)



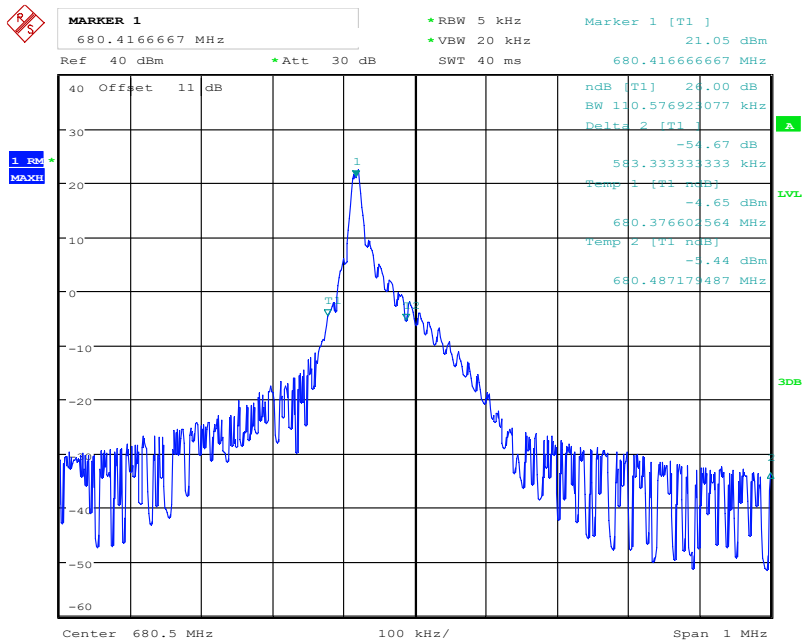
Date: 5.SEP.2019 15:25:52

NB-IoT In-band band 71 133297 BPSK(99%)



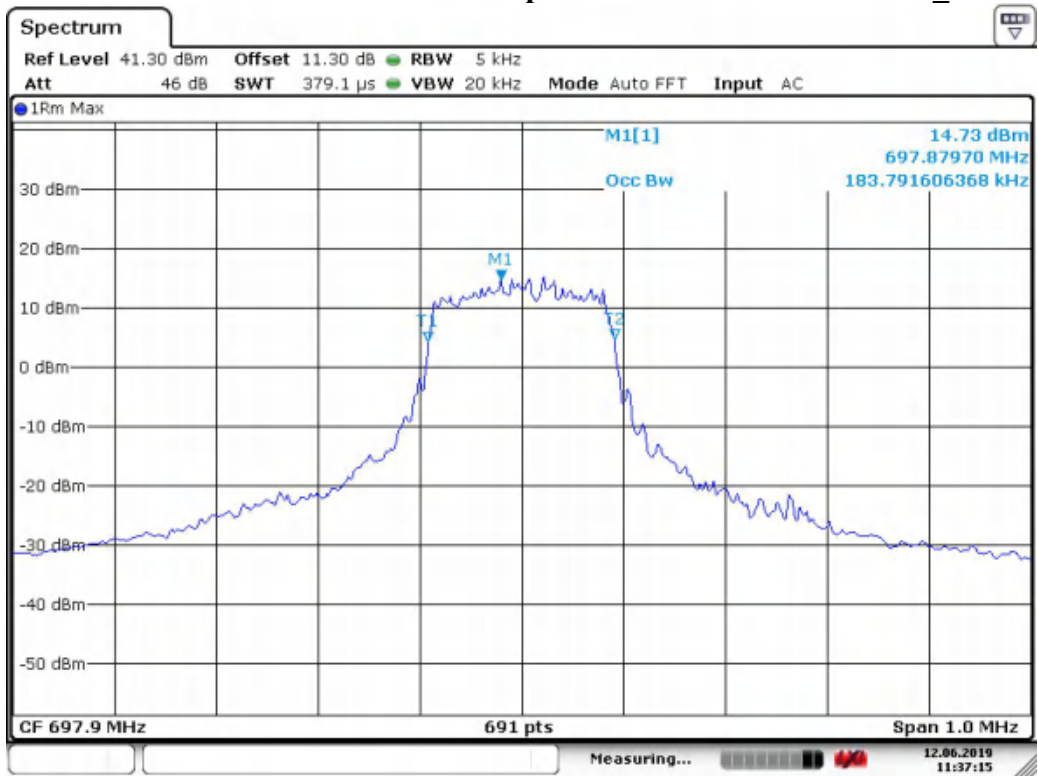
Date: 12 JUN 2019 11:33:19

NB-IoT In-band band 71 133297 QPSK(26dB)



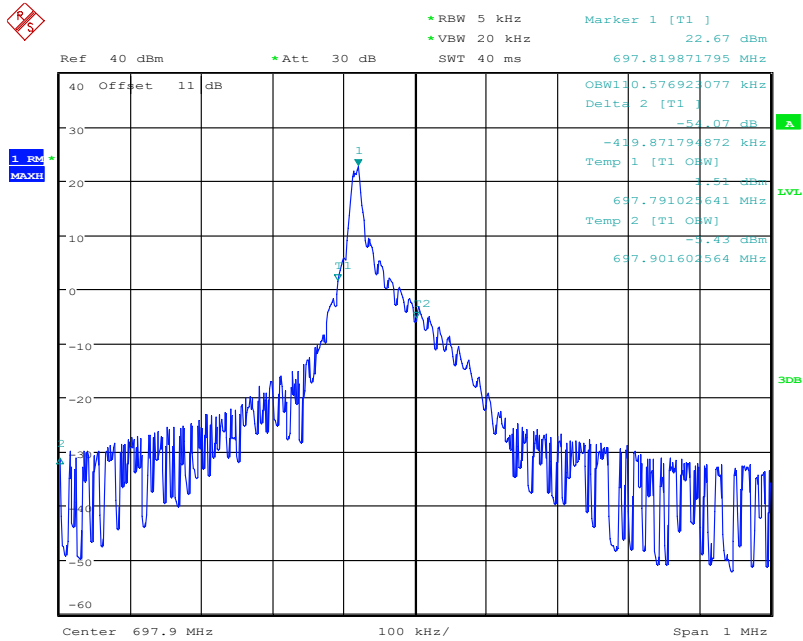
Date: 5.SEP.2019 15:26:06

NB-IoT In-band band 71 133297 BPSK(26dB)



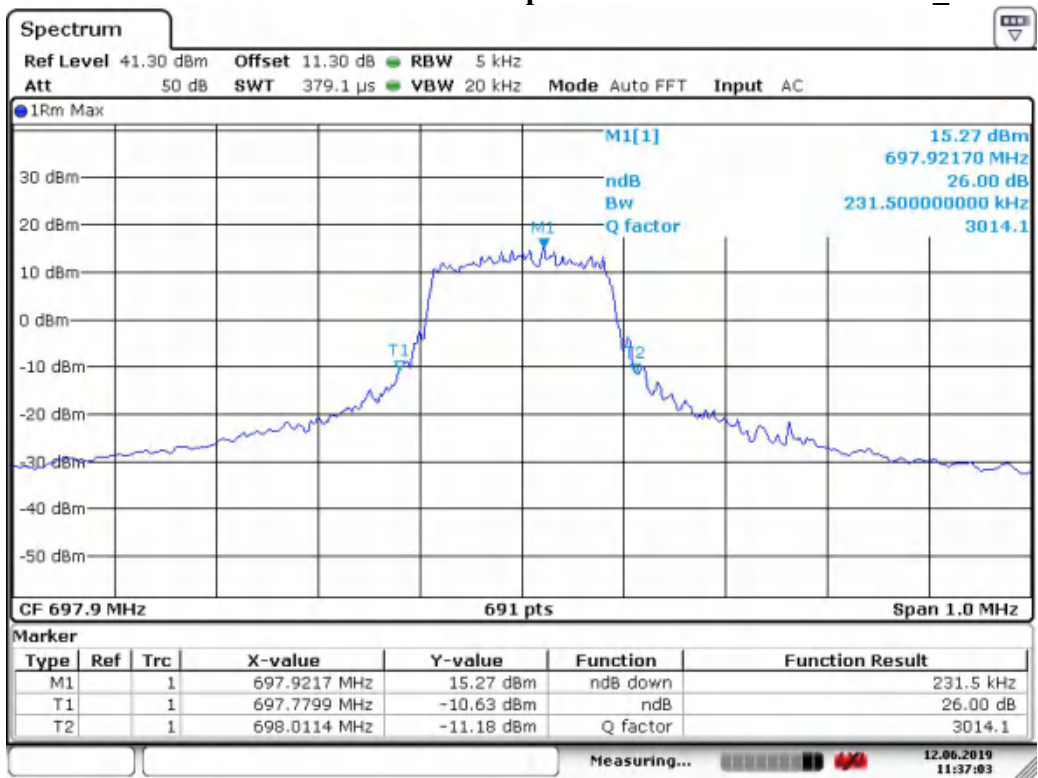
Date: 12.JUN.2019 11:37:16

NB-IoT In-band band 71 133471 QPSK(99%)



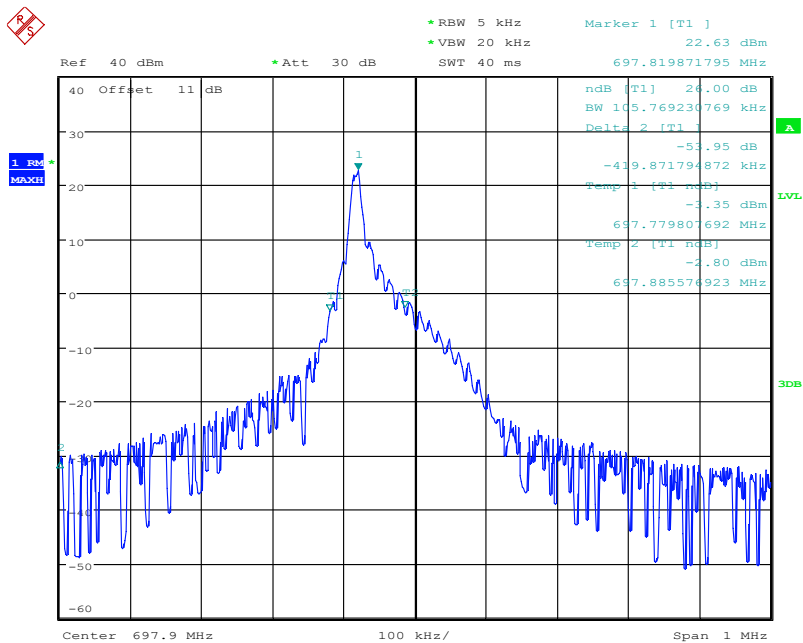
Date: 5.SEP.2019 15:24:58

NB-IoT In-band band 71 133471 BPSK(99%)



Date: 12.JUN.2019 11:37:03

NB-IoT In-band band 71 133471 QPSK(26dB)

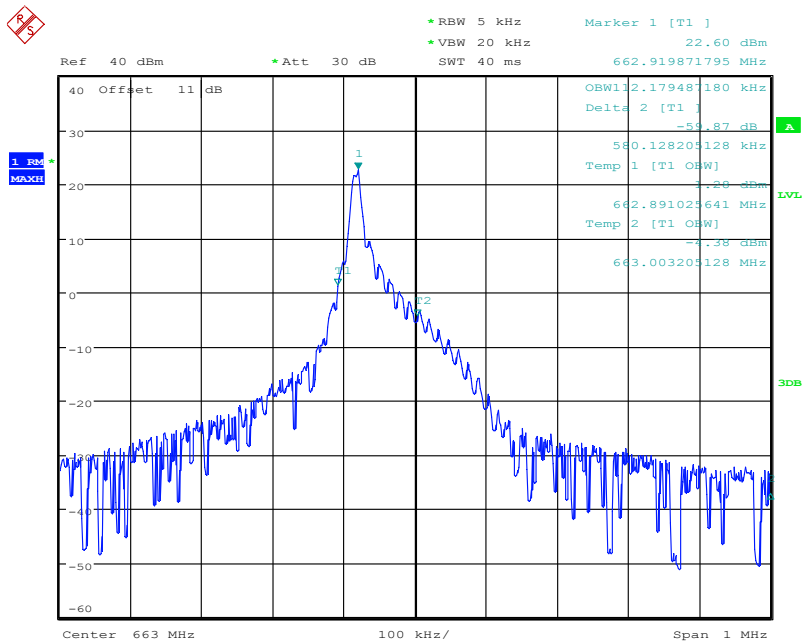


Date: 5.SEP.2019 15:24:47

NB-IoT In-band band 71 133471 BPSK(26dB)

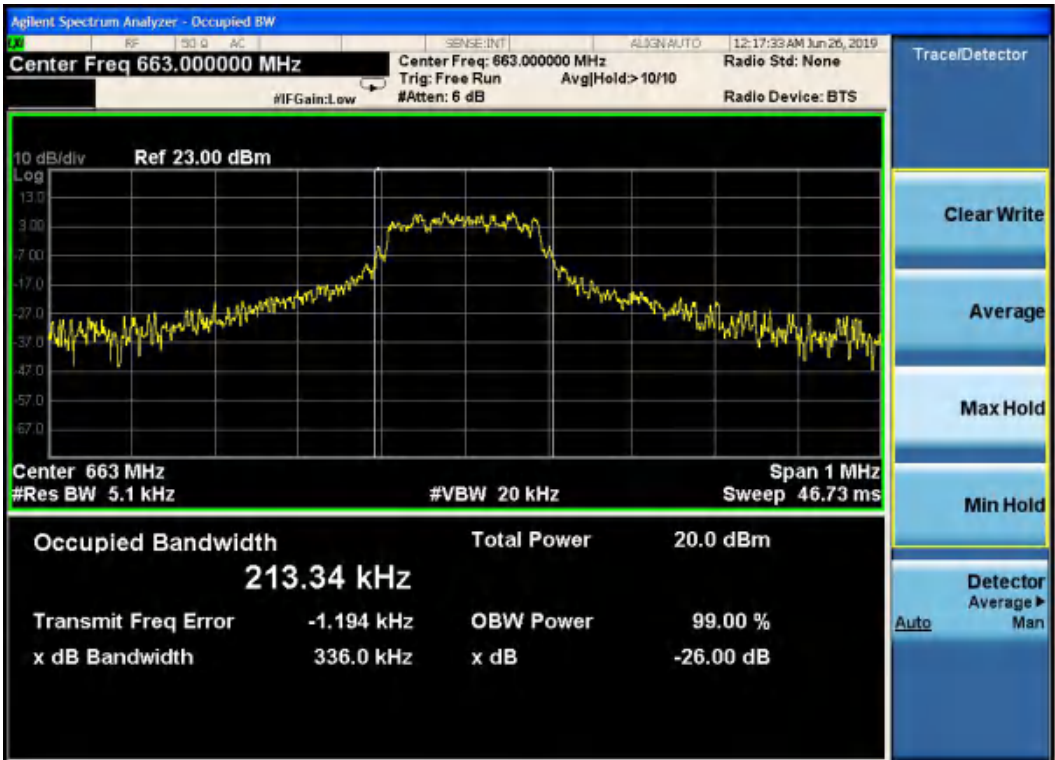


NB-IoT Guard-band band 71 133122 QPSK(99%)

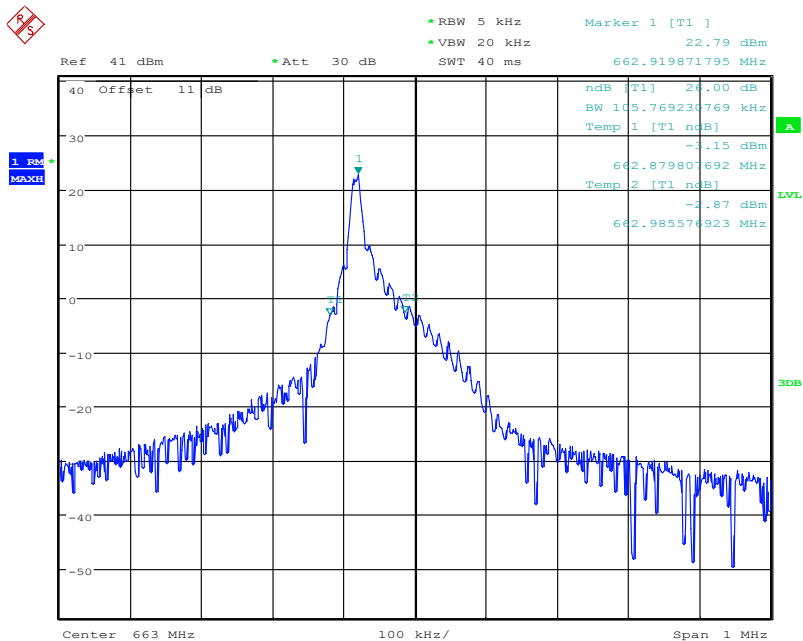


Date: 5.SEP.2019 15:27:22

NB-IoT Guard-band band 71 133122 BPSK(99%)



NB-IoT Guard-band band 71 133122 QPSK(26dB)

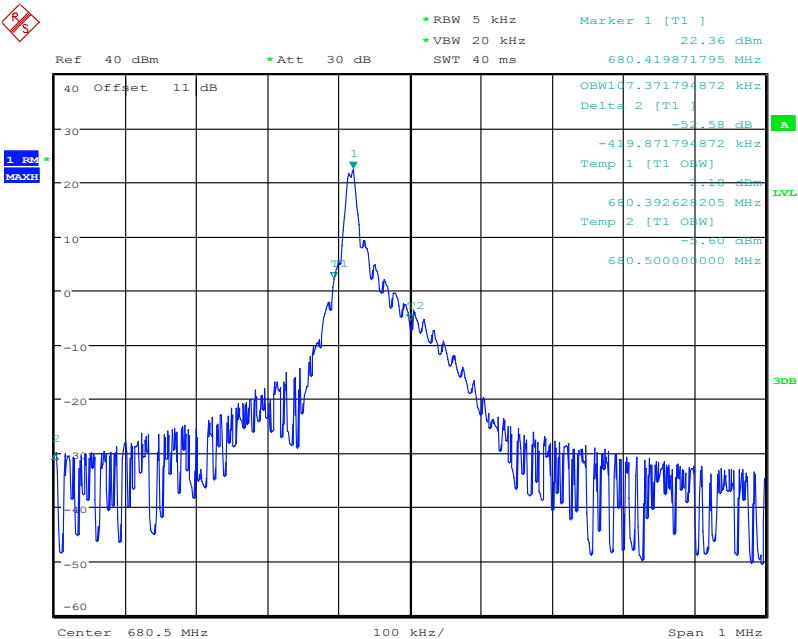


Date: 6.SEP.2019 13:27:10

NB-IoT Guard-band band 71 133122 BPSK(26dB)

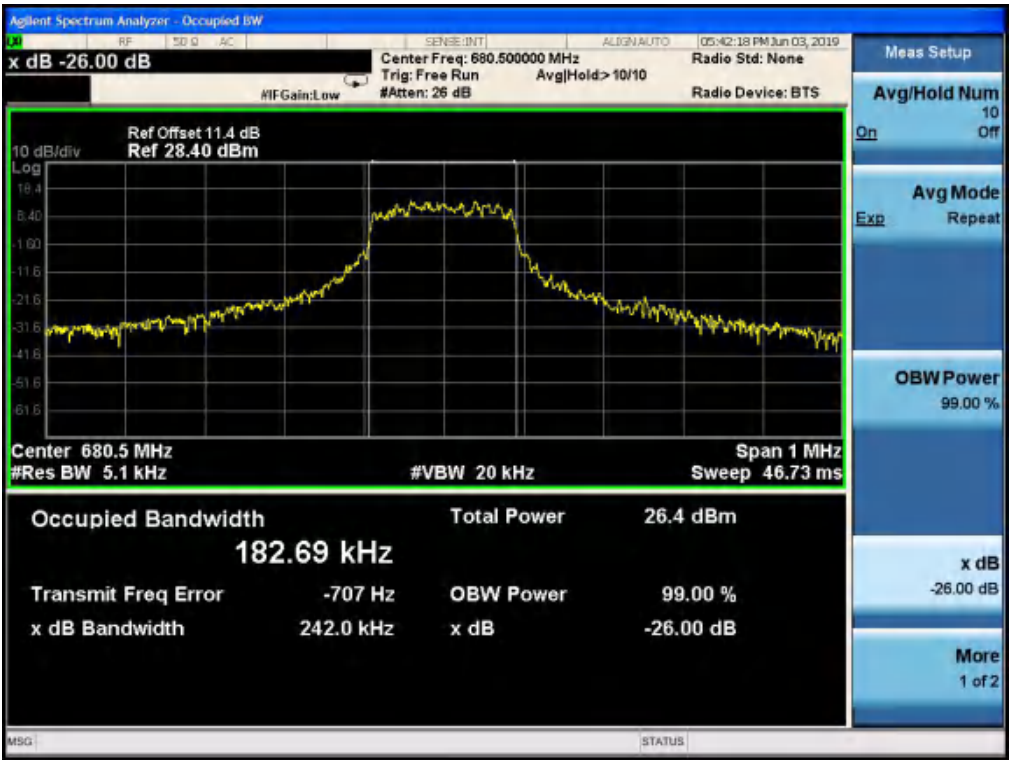


NB-IoT Guard-band band 71 133297 QPSK(99%)



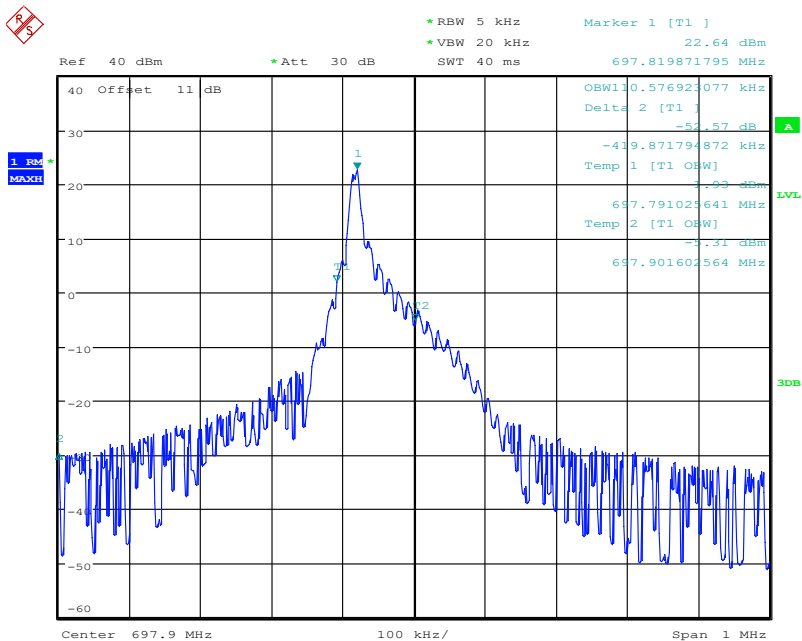
Date: 5.SEP.2019 15:28:28

NB-IoT Guard-band band 71 133297 BPSK(99%)





NB-IoT Guard-band band 71 133471 QPSK(99%)

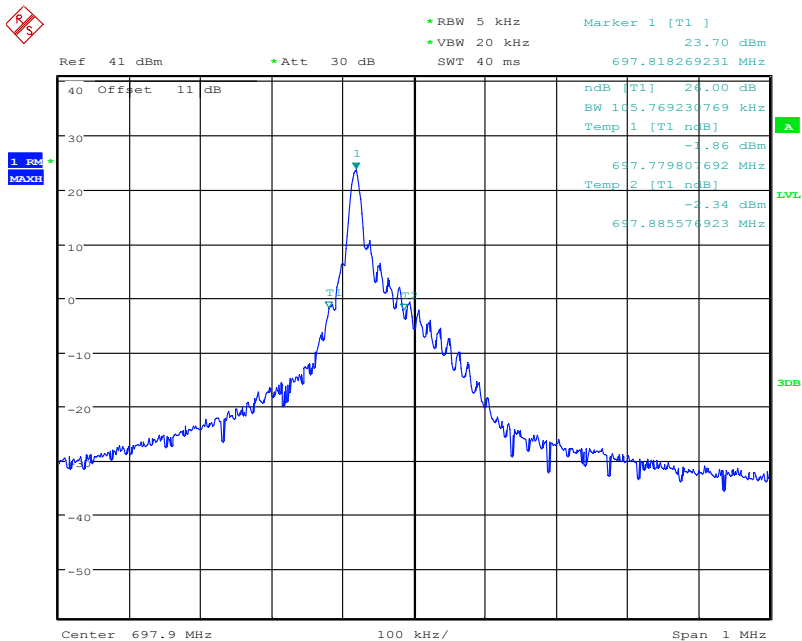


Date: 5.SEP.2019 15:29:07

NB-IoT Guard-band band 71 133471 BPSK(99%)



NB-IoT Guard-band band 71 133471 QPSK(26dB)



Date: 6.SEP.2019 13:28:33

NB-IoT Guard-band band 71 133471 BPSK(26dB)

5.3 Conducted Spurious Emission

Specifications:	FCC Part 2.1051, 24.238, 2.1053, 22.917, 27.53
DUT Serial Number:	868334032569216
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	Pass

Limit Level Construction:

According to Part 22.917 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to Part 24.238 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB, so the limit level is: $P(\text{dBm}) - (43 + 10 \log(P)) \text{ dB} = -13\text{dBm}$.

According to Part 27.53(h):

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 Bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

According to Part 27.53(g):

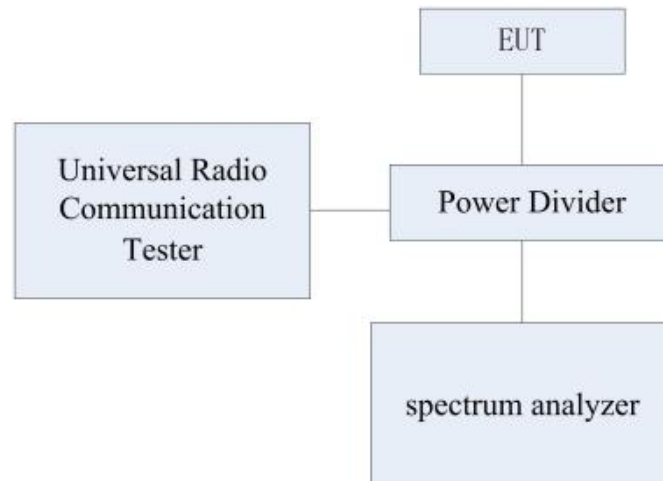
For operations in the 600 MHz Band and the 698-746 MHz Band, the power of any emission outside a licensee's frequency Band(s) of operation shall be attenuated below the transmitter power (P) within the licensed Band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution Bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz Bands immediately outside and adjacent to a licensee's frequency block, a resolution Bandwidth of at least 30 kHz may be employed.

Measurement Uncertainty:

Item	Uncertainty	
Expanded Uncertainty	$9\text{kHz} < f \leq 4\text{GHz}$	0.71 dB (k=2)
	$4\text{GHz} \leq f < 12.75\text{GHz}$	0.74 dB (k=2)
	$12.75\text{GHz} \leq f < 26\text{GHz}$	2.70 dB (k=2)

Test Setup:

During the test, the EUT was controlled via the Wireless Communications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.



Test Method:

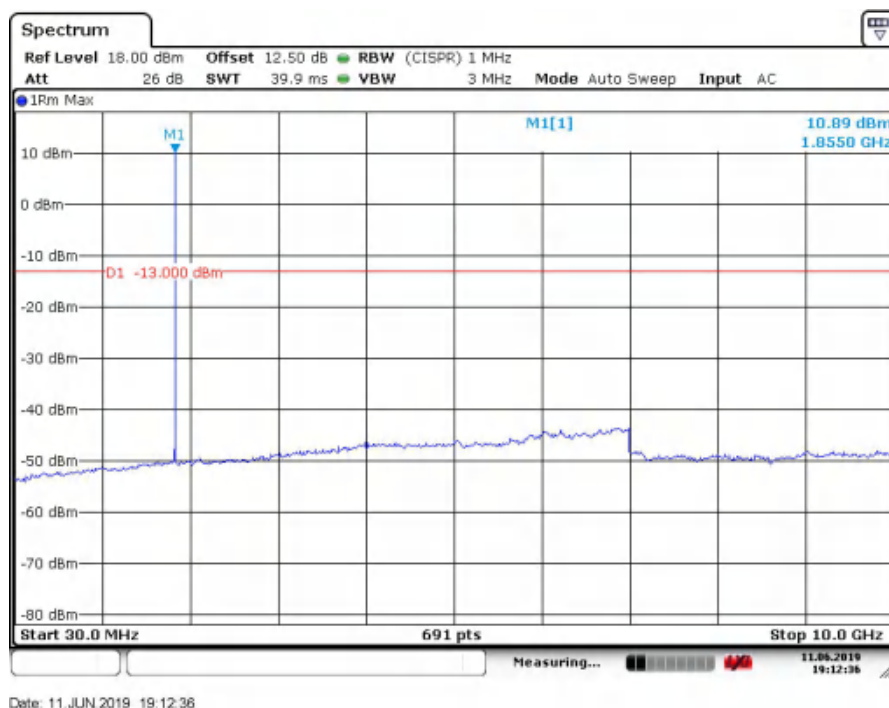
The measurement was performed accordance with section 2.2.13 of ANSI/TIA-603-E-2016: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

The measurement was performed accordance with section 2.2.13 of ANSI/TIA-603-E-2016: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-Band emissions, if any, up to 10th harmonic. The EUT was scanned for spurious emissions from 30MHz to 20GHz with sufficient Bandwidth and video resolution. The spectrum analyzer was set to Maximum hold mode to ensure that the worst-case emissions were captured.

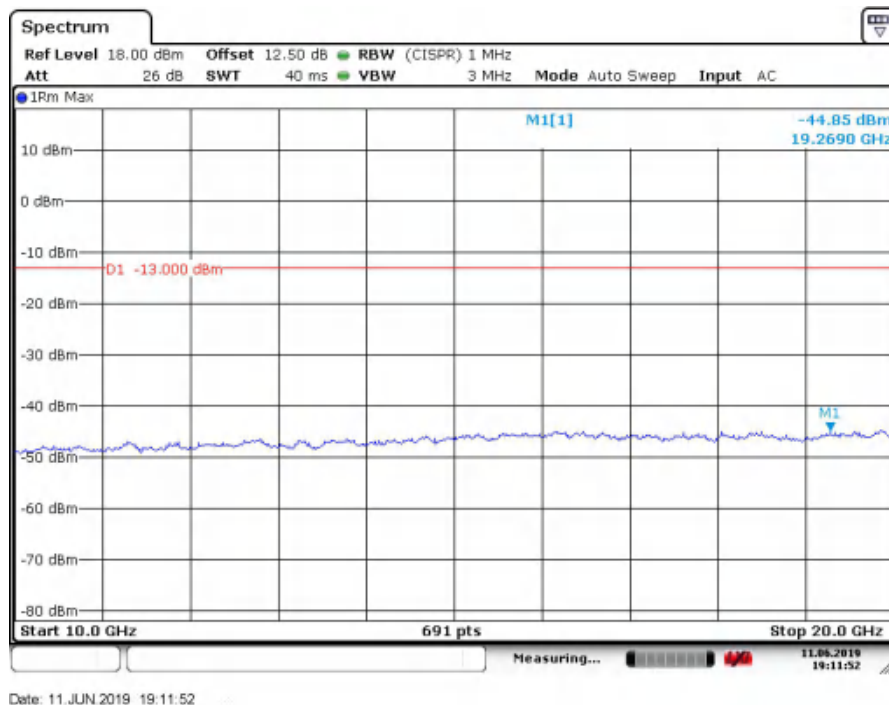
Note: Only worst case mode of in-band result is given below.

• 5.3.1 NB-IoT Band 2

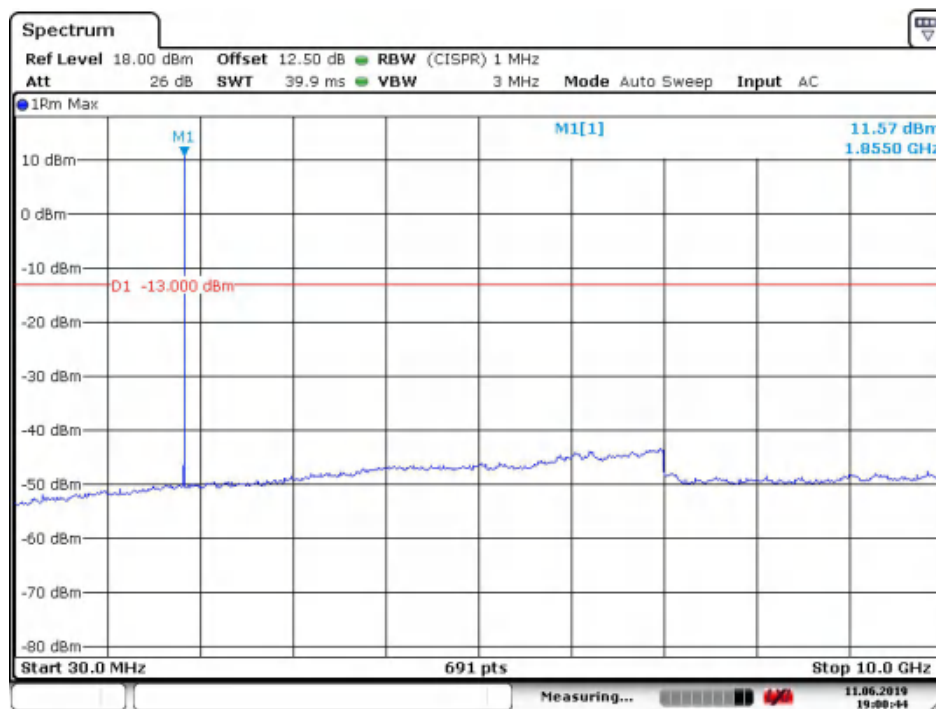


30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



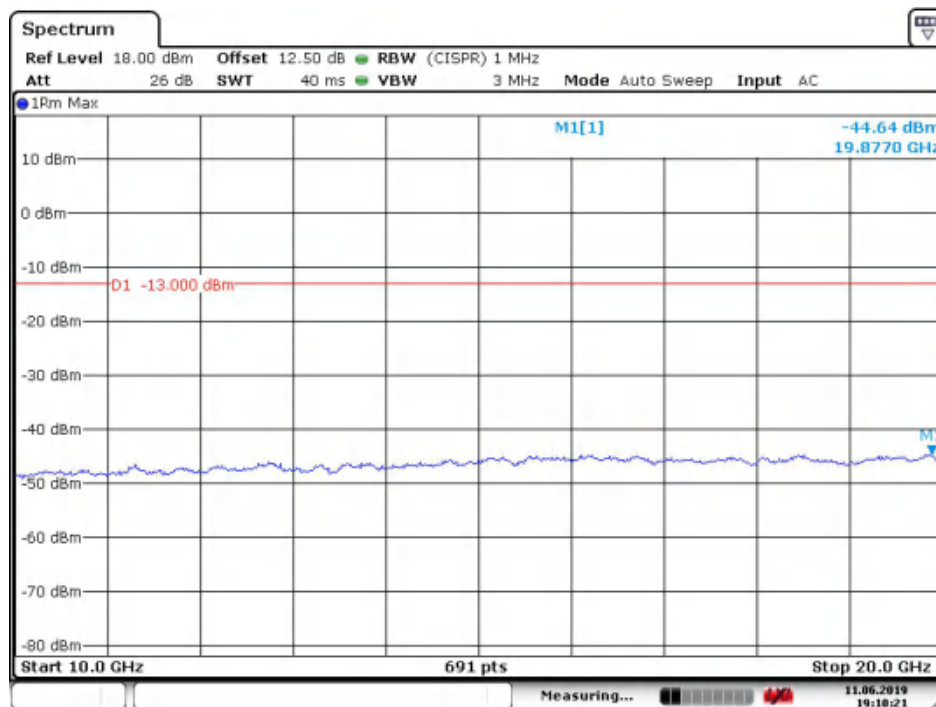
10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0



Date: 11.JUN.2019 19:00:44

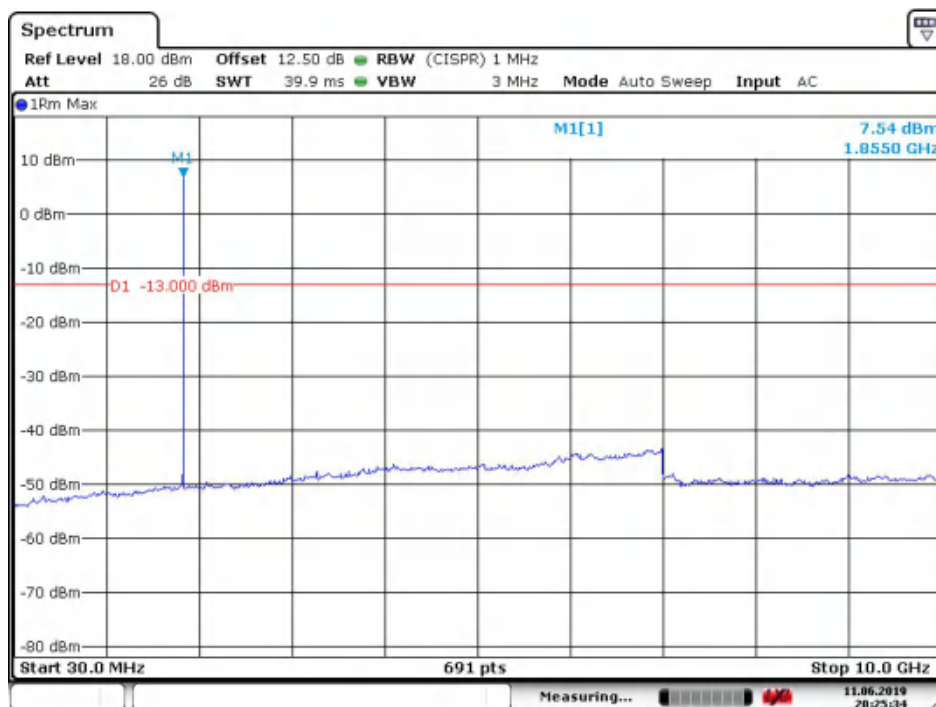
30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 19:10:21

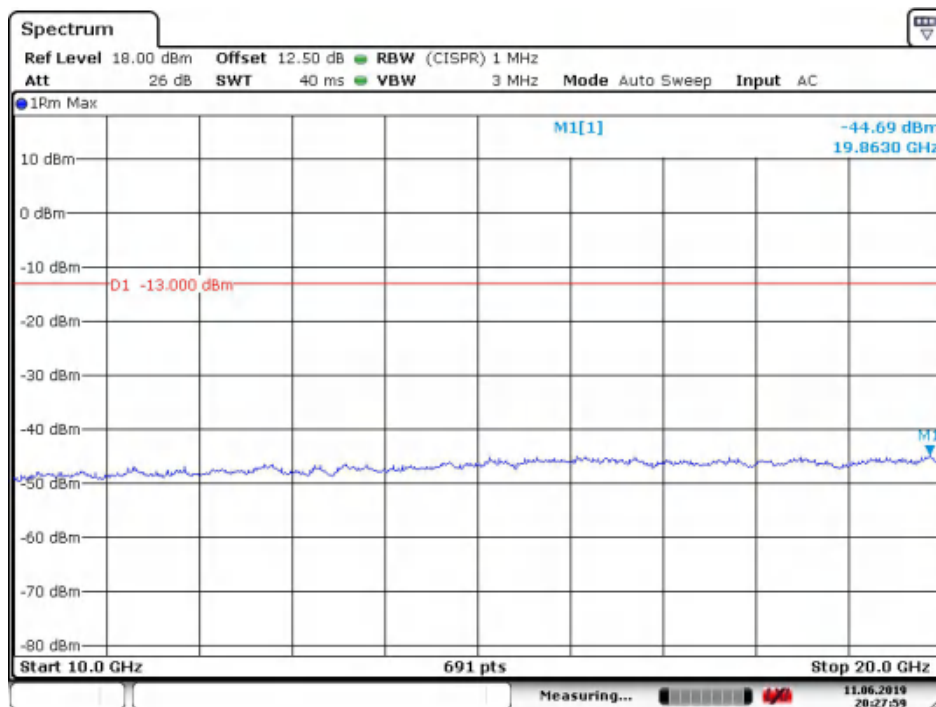
10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0



Date: 11.JUN.2019 20:25:34

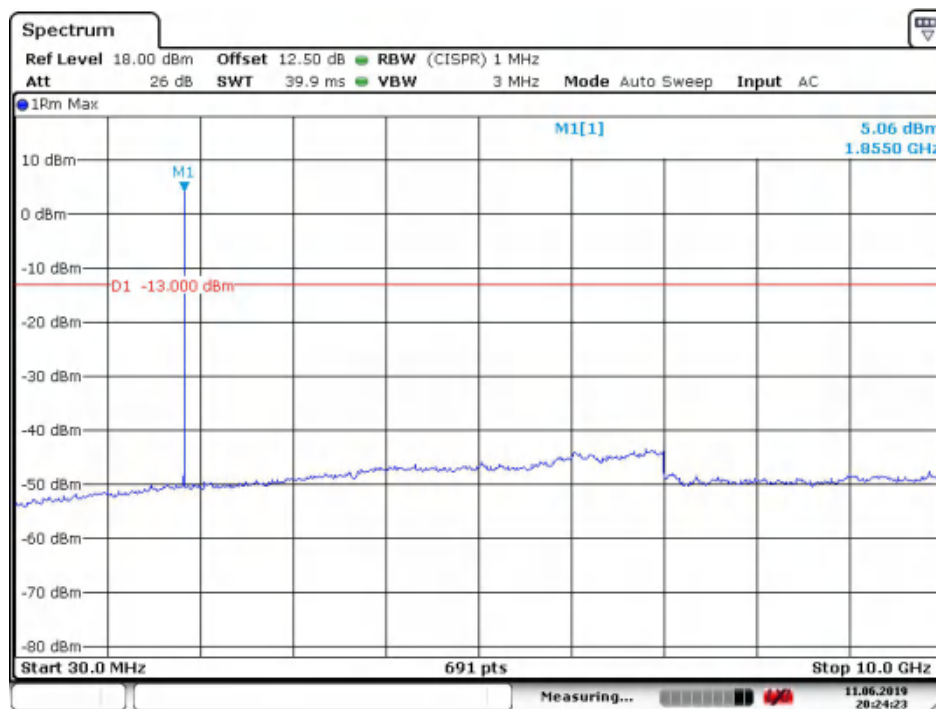
30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:27:59

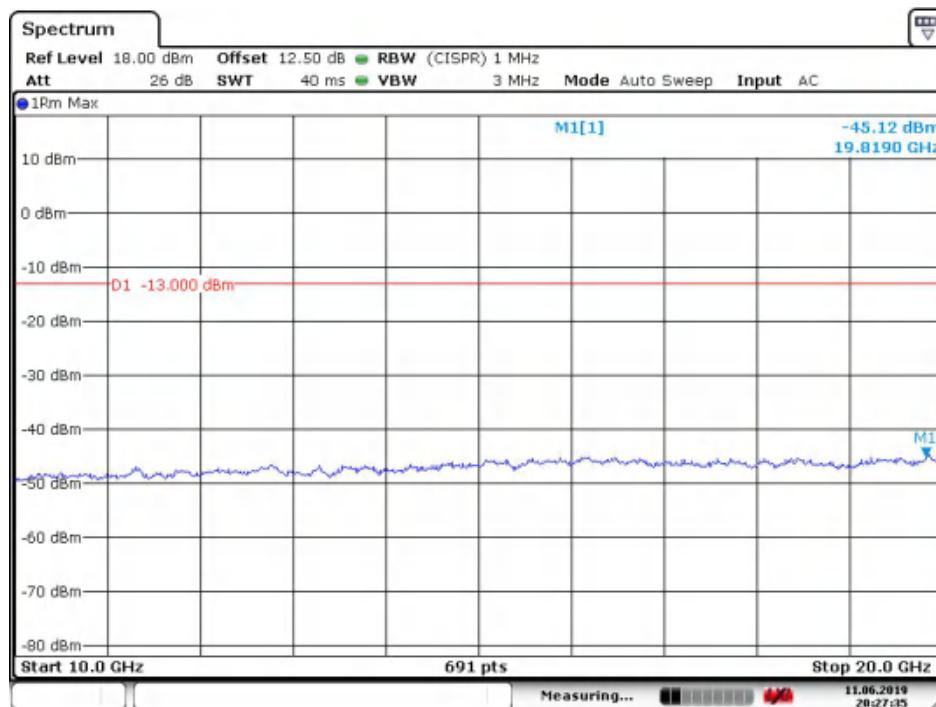
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0



Date: 11.JUN.2019 20:24:24

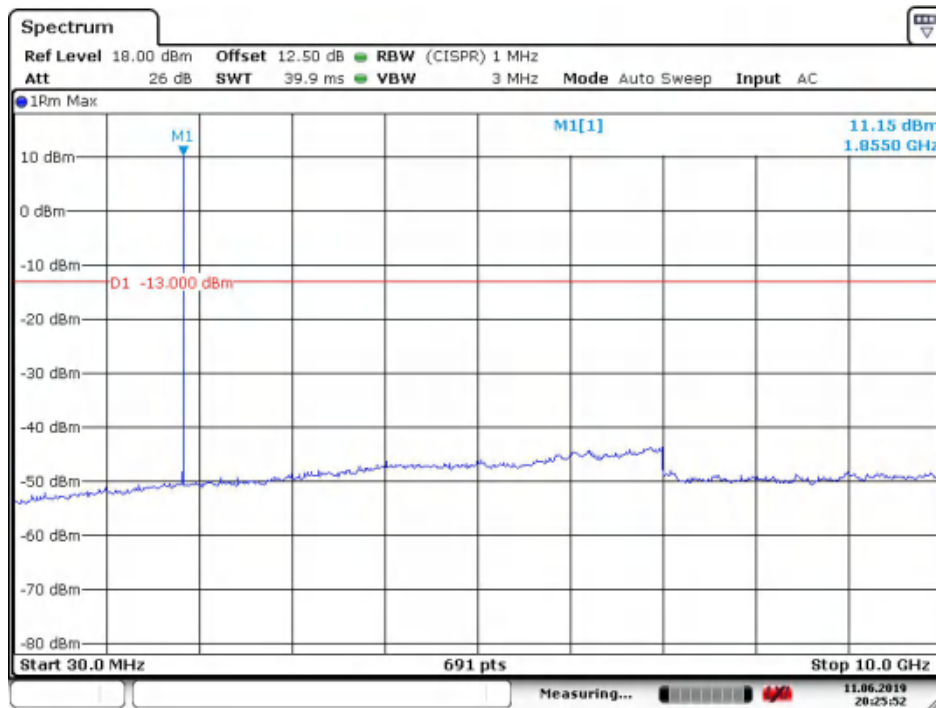
30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:27:35

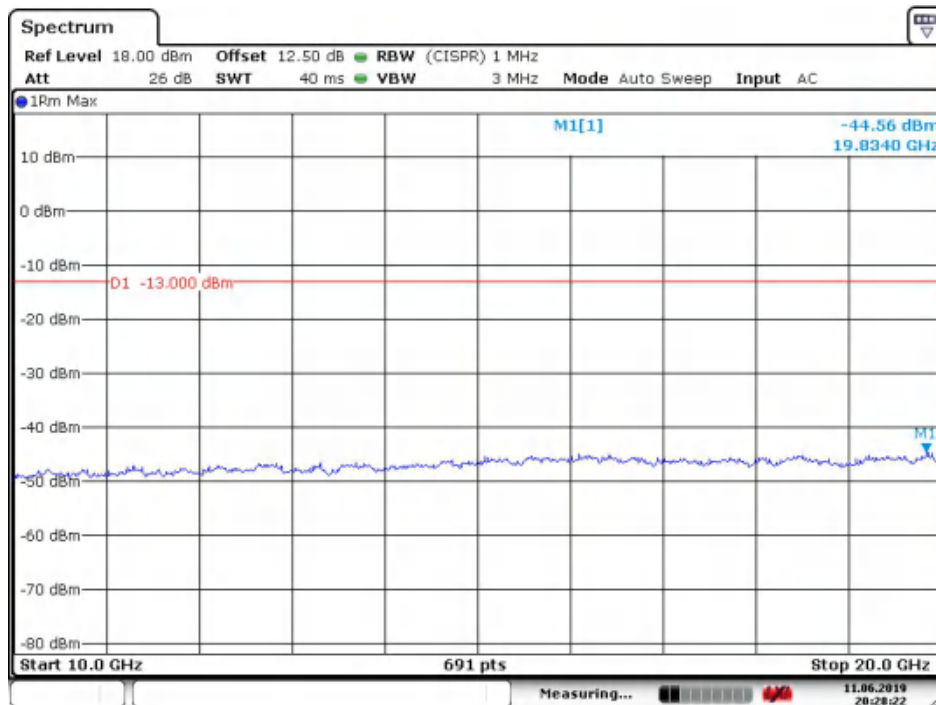
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0



Date: 11.JUN.2019 20:25:53

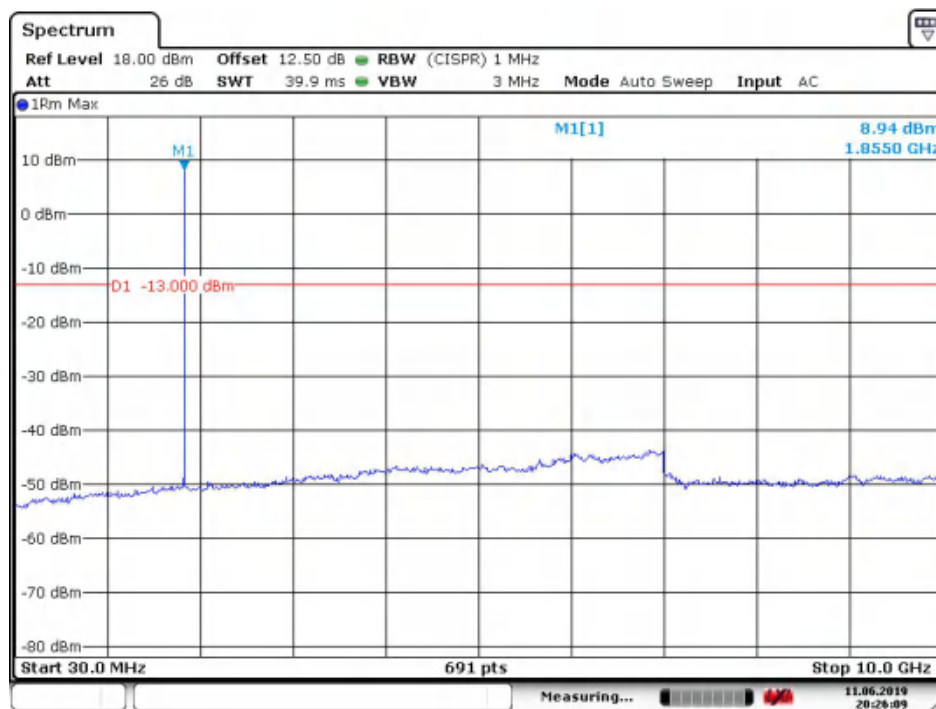
30MHz to 10GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:28:22

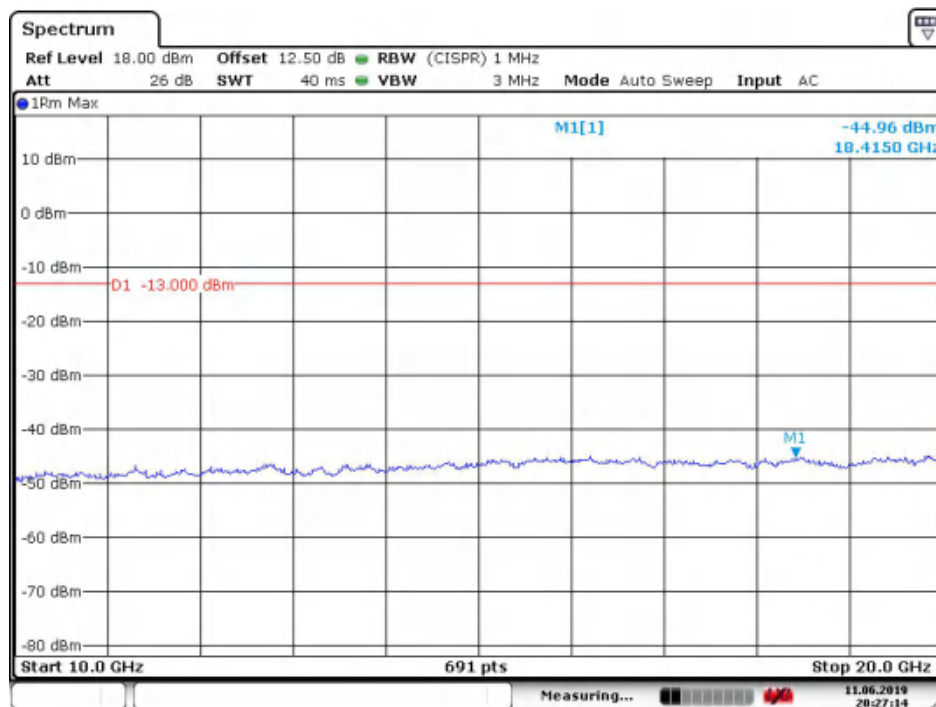
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0



Date: 11.JUN.2019 20:26:09

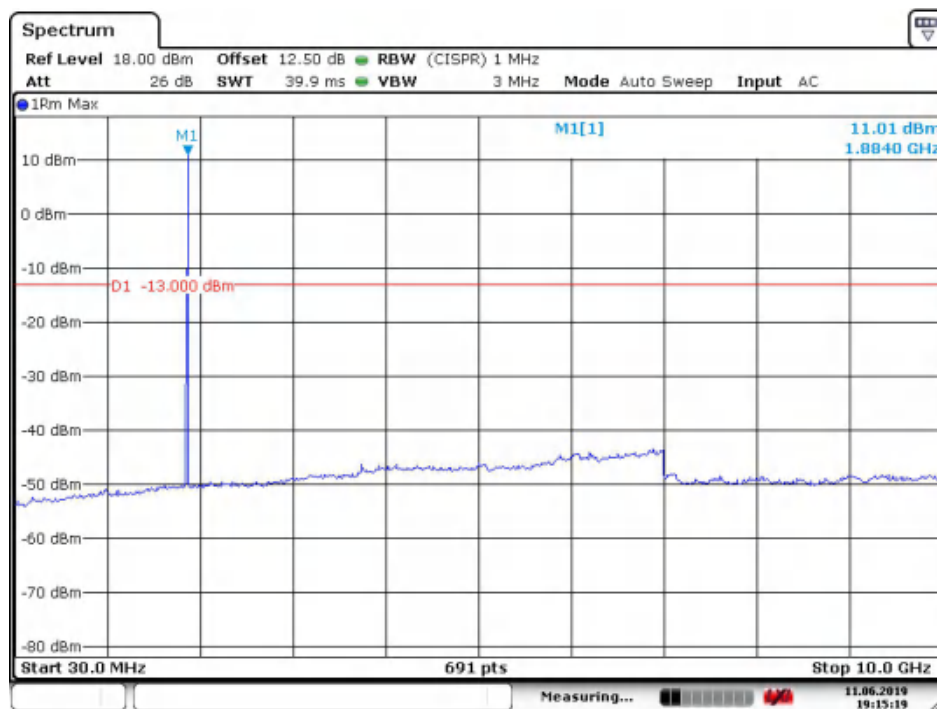
30MHz to 10GHz, Low Channel, Subcarrier (15kHz), BPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:27:15

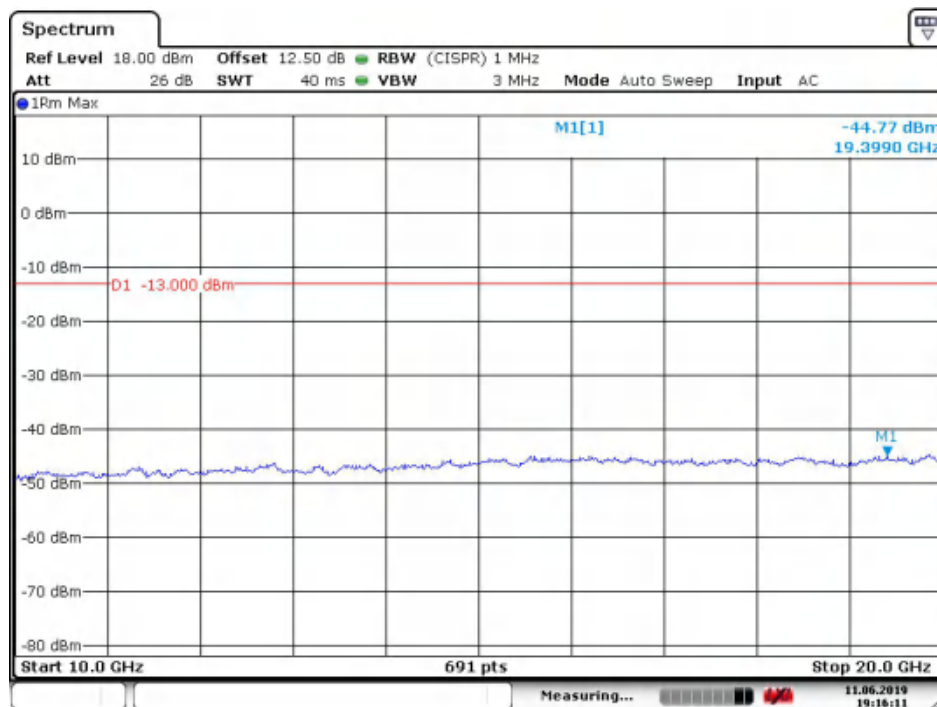
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), BPSK, 12@0



Date: 11.JUN.2019 19:15:19

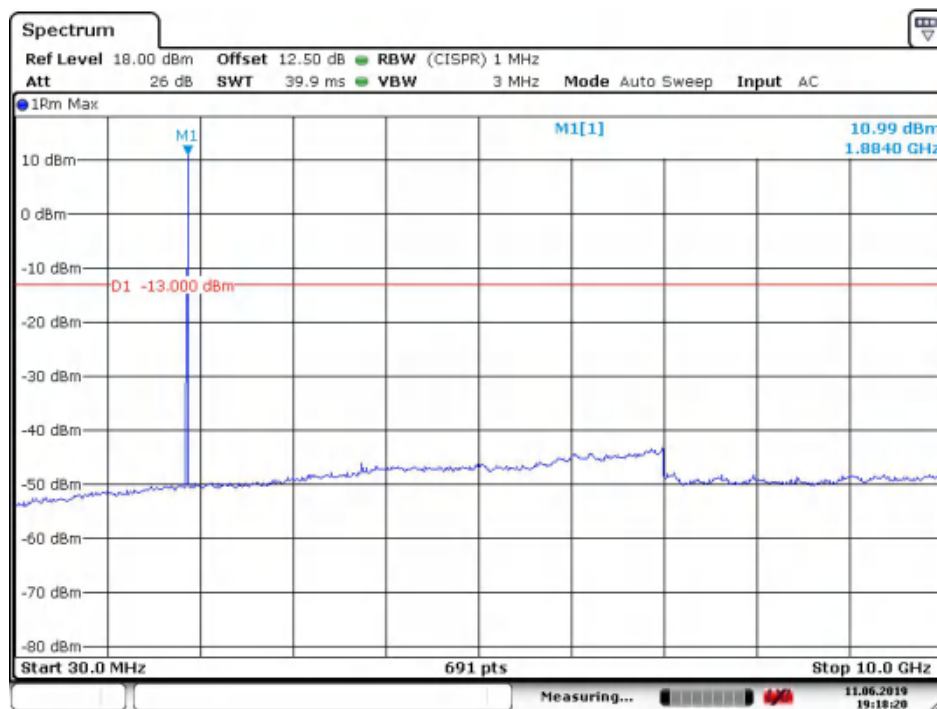
30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 19:16:11

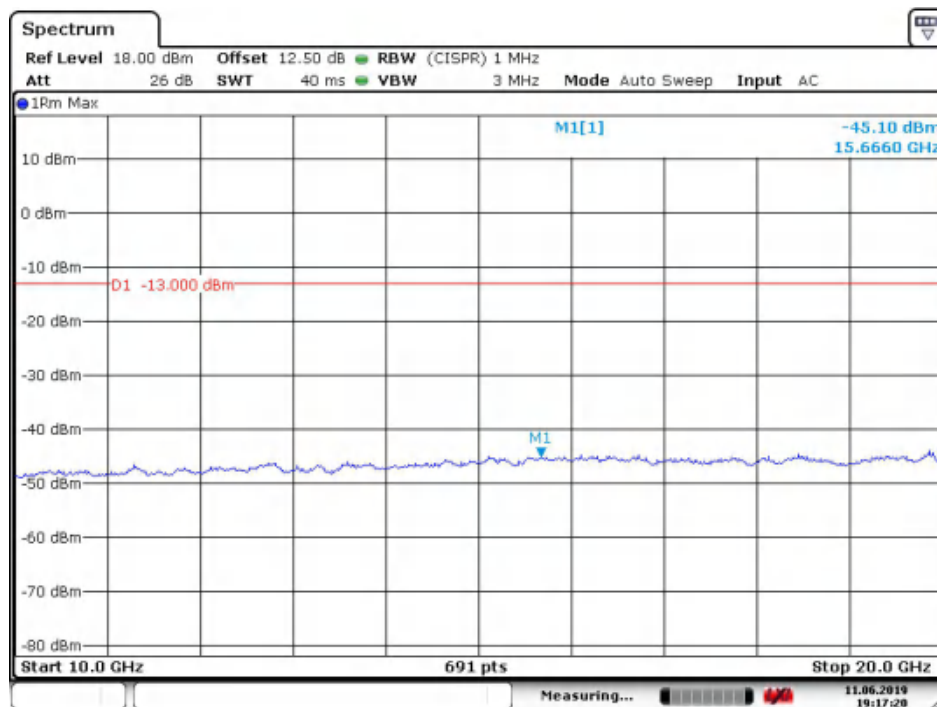
10GHz to 20GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0



Date: 11.JUN.2019 19:18:21

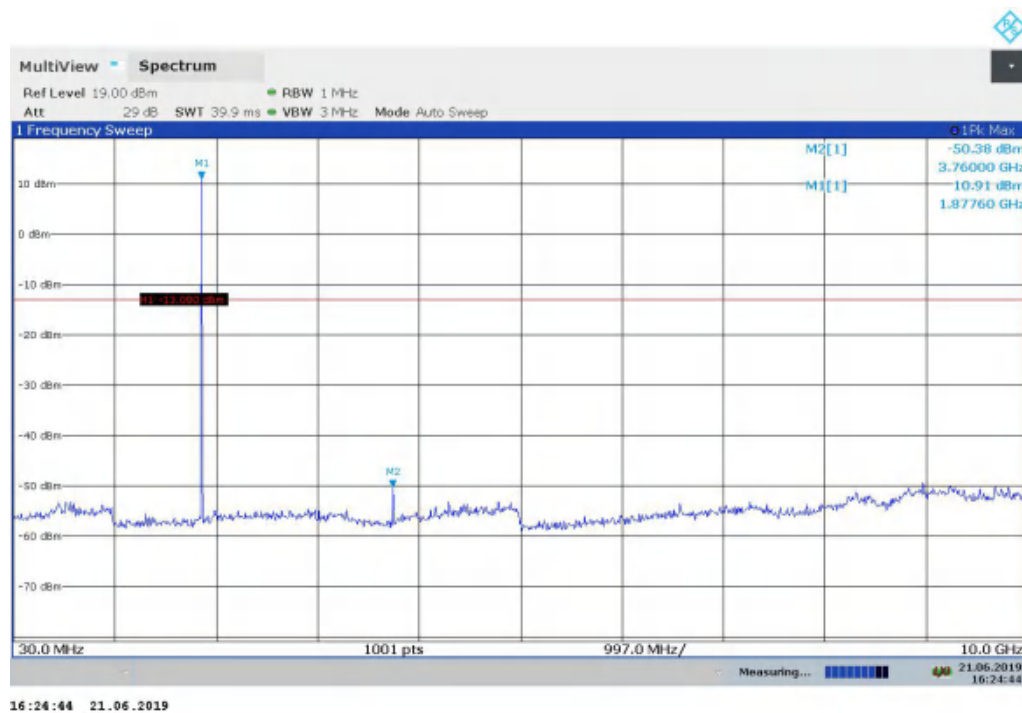
30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



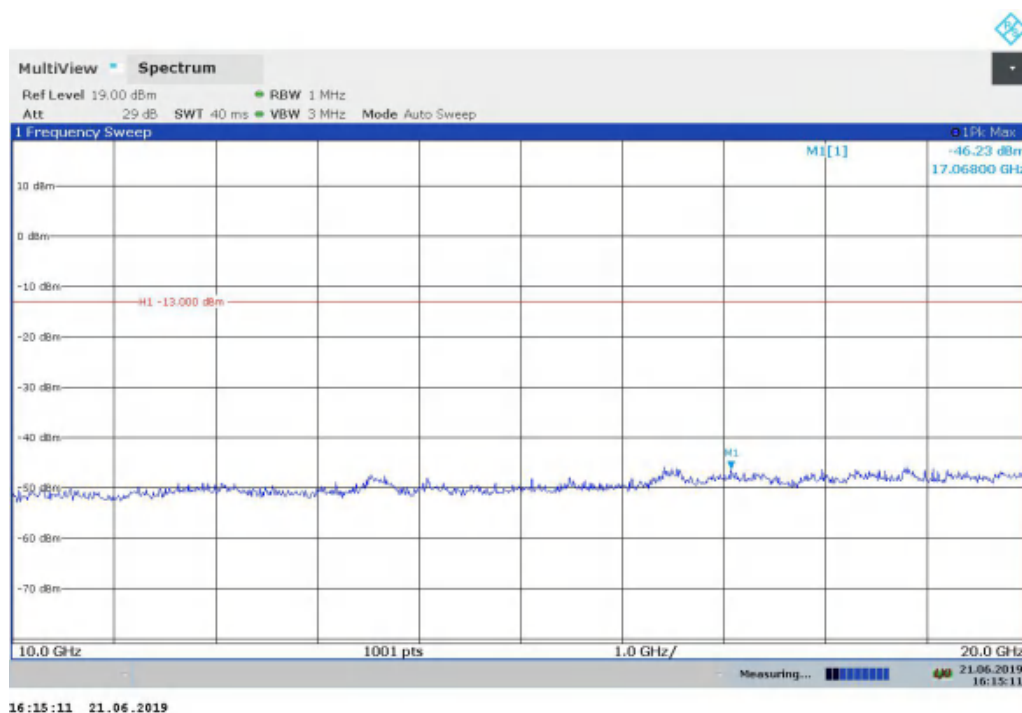
Date: 11.JUN.2019 19:17:21

10GHz to 20GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0

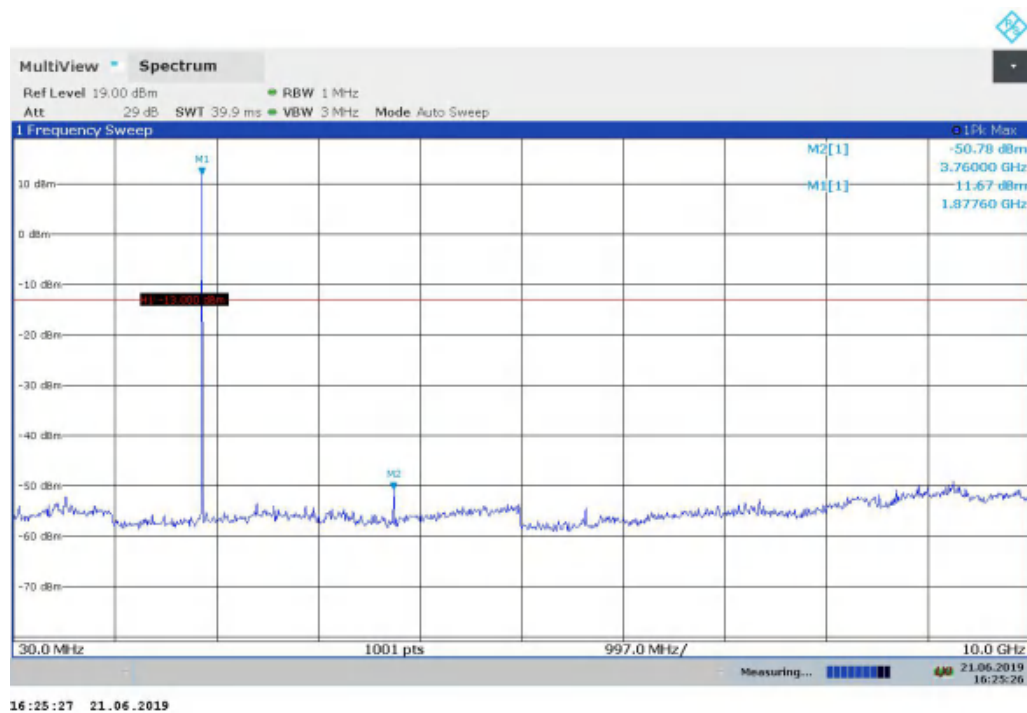


30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.

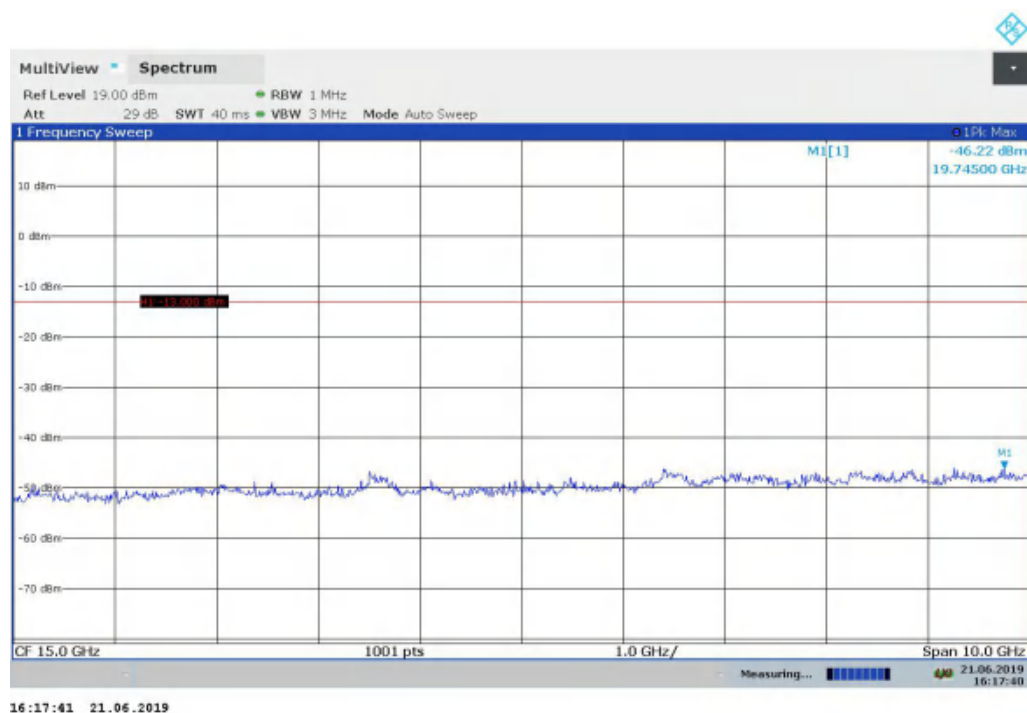


10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0

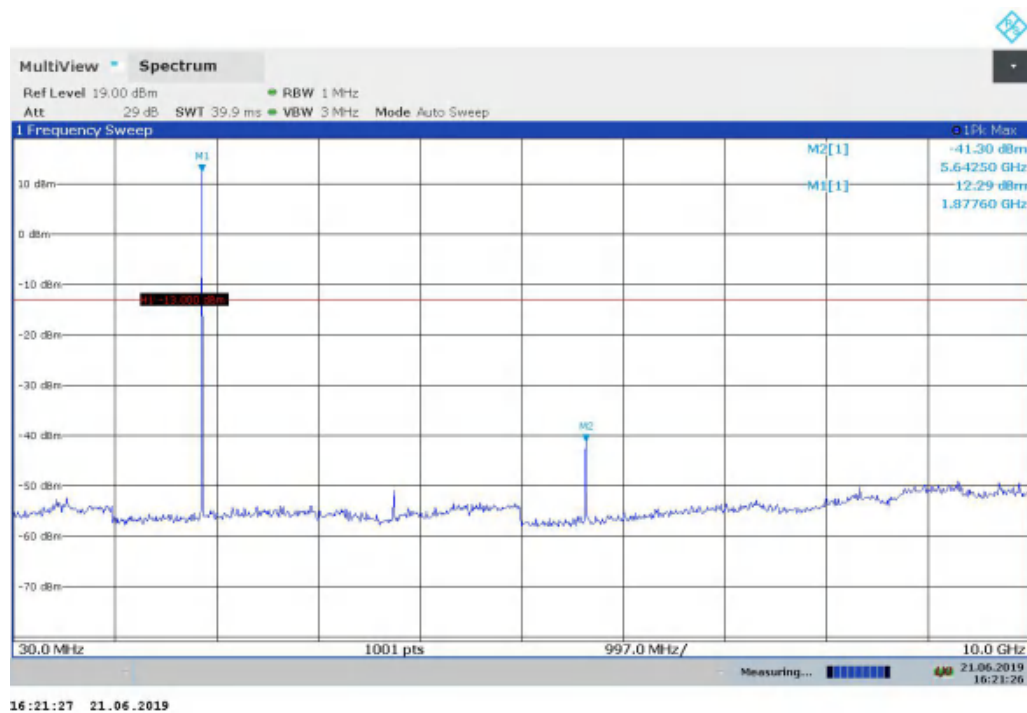


30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.

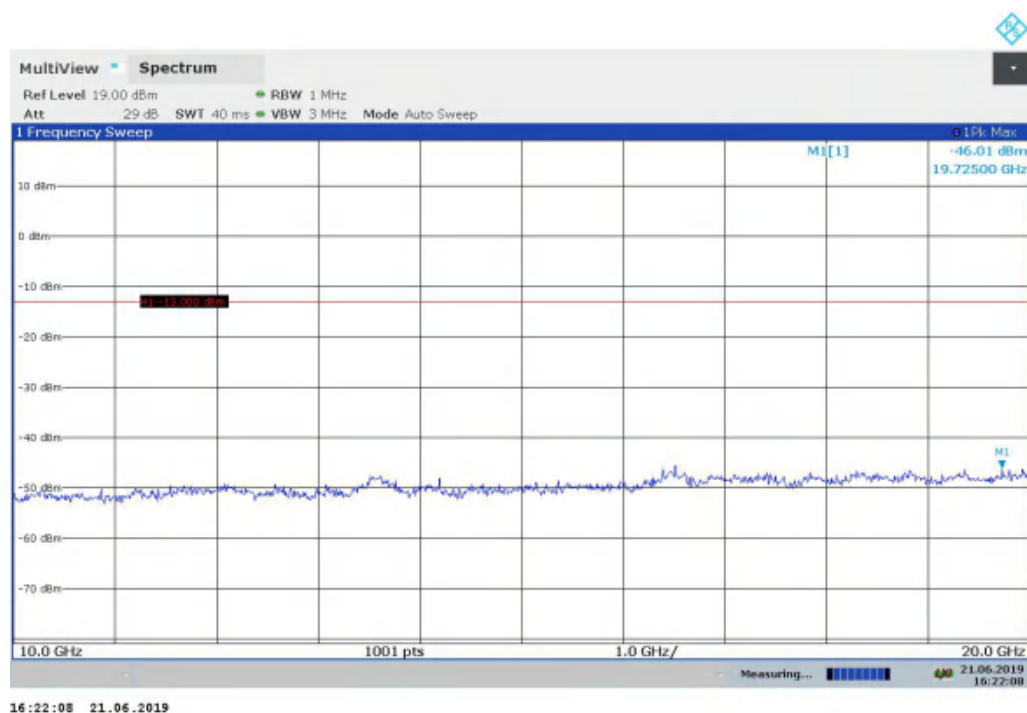


10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0

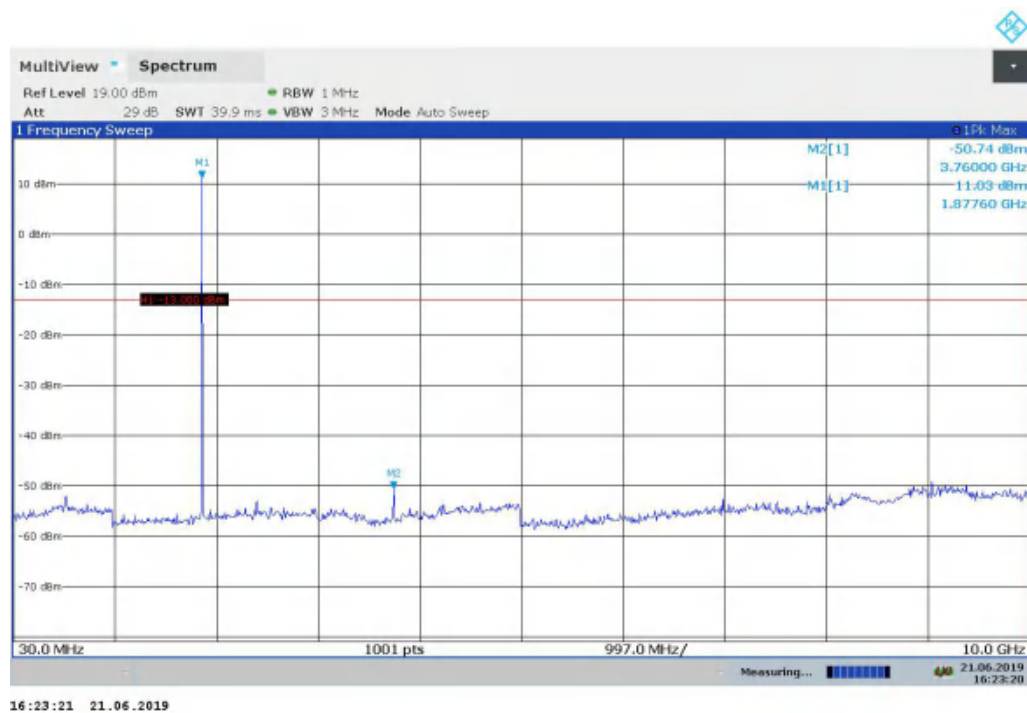


30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.

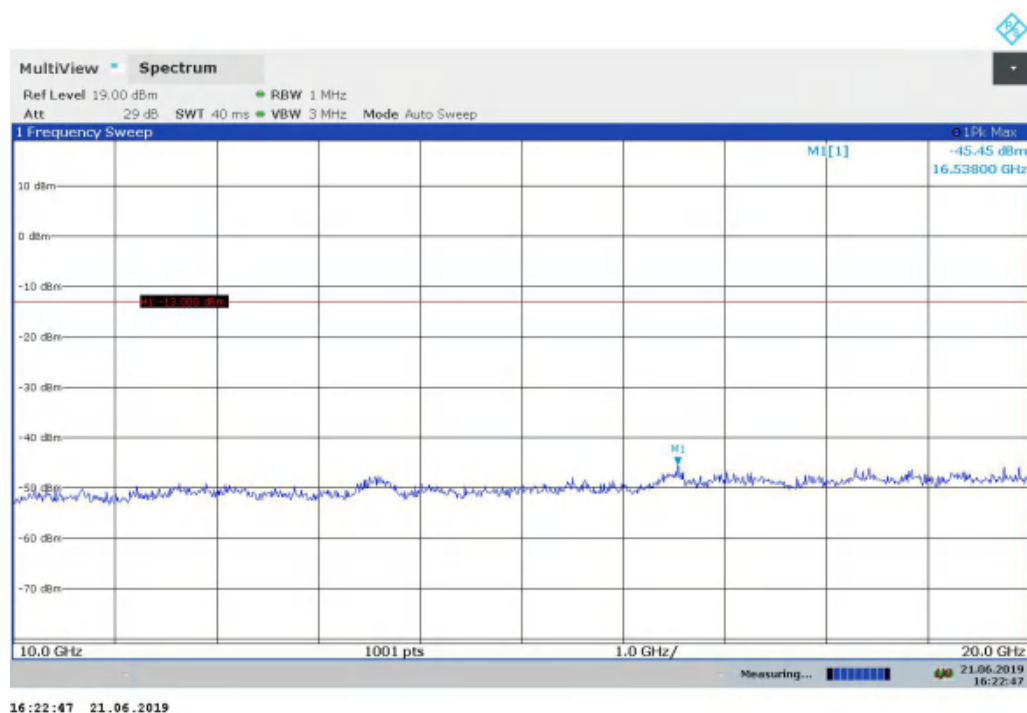


10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0

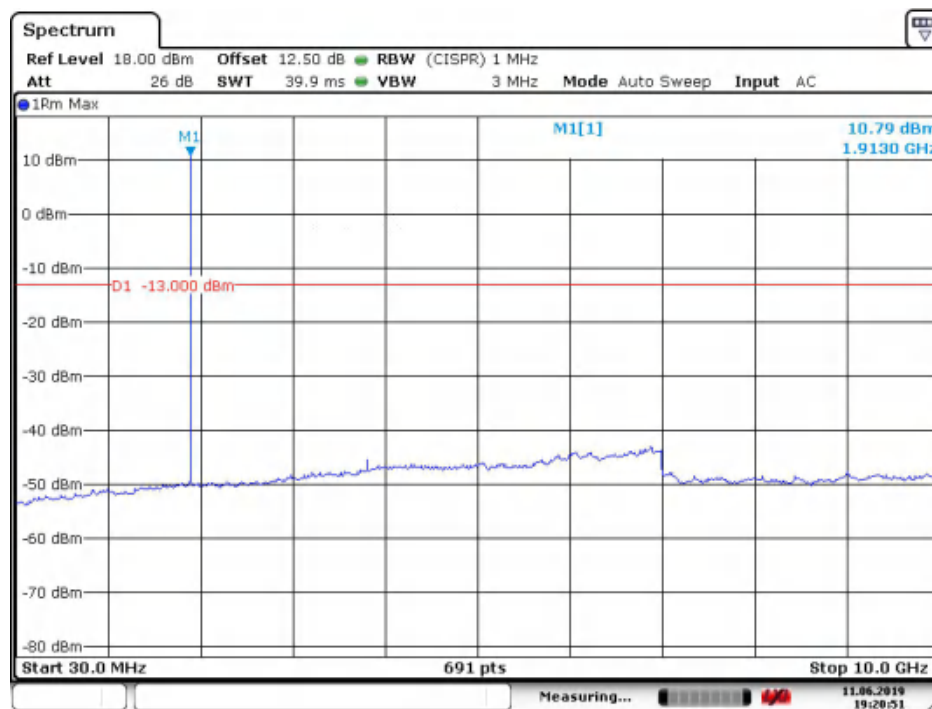


30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), BPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



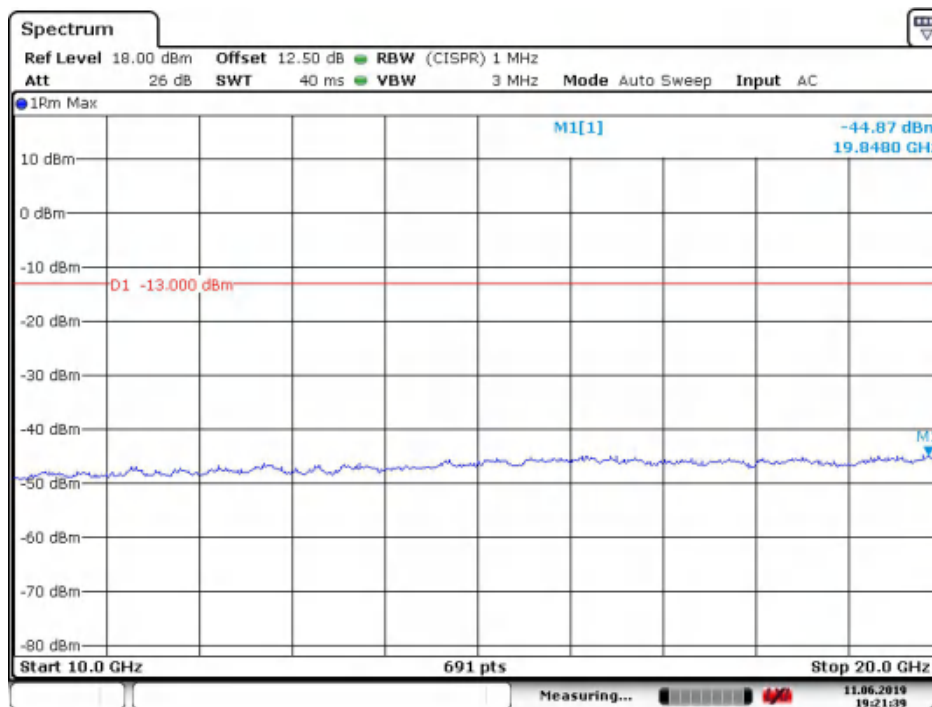
10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), BPSK, 12@0



Date: 11.JUN.2019 19:20:52

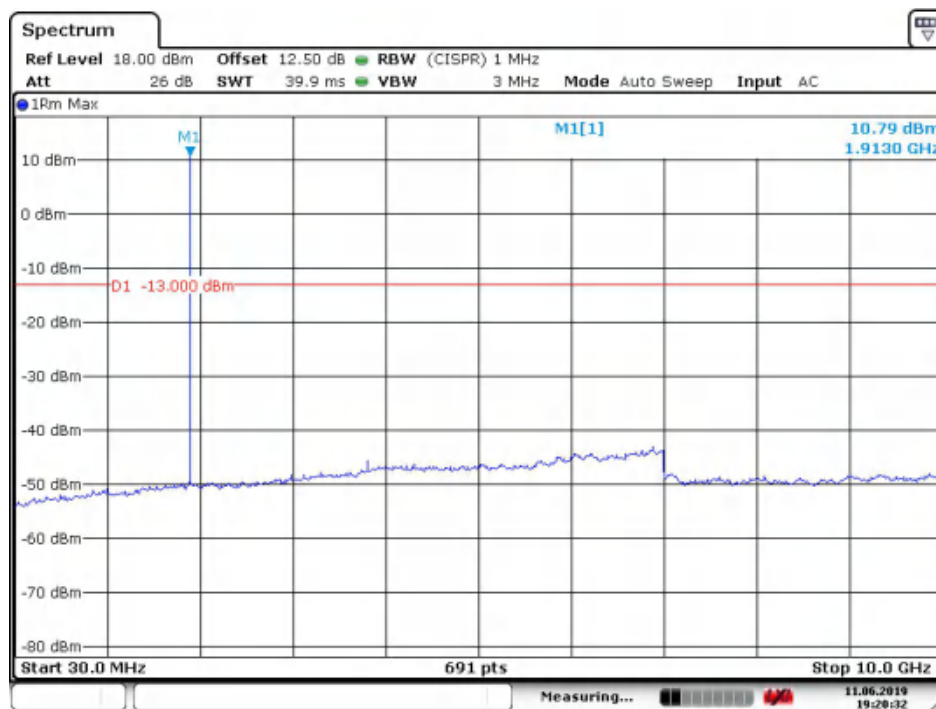
30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 19:21:40

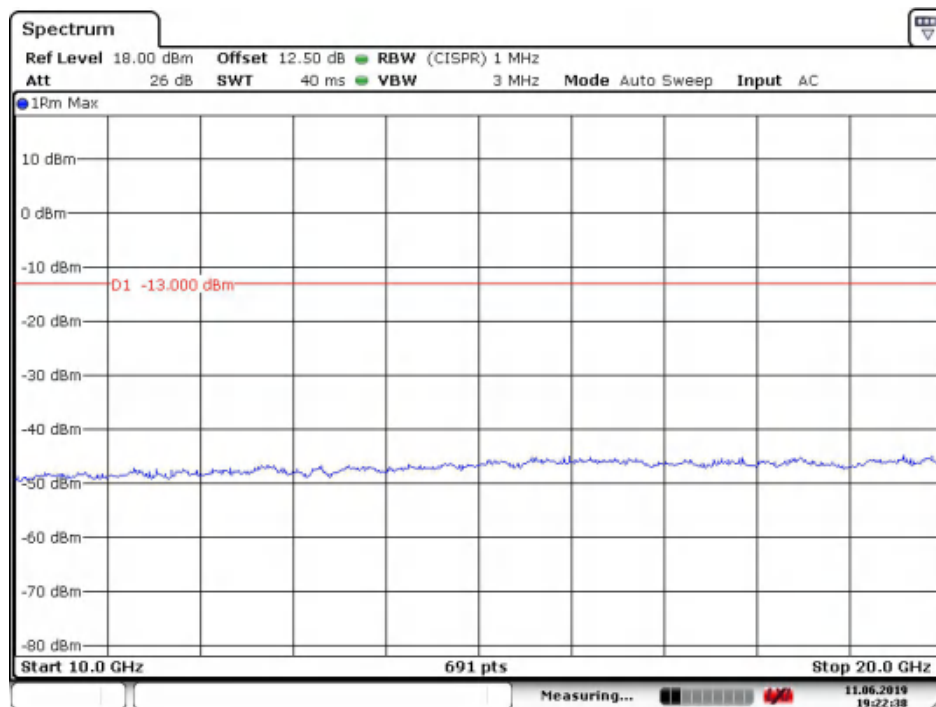
10GHz to 20GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0



Date: 11.JUN.2019 19:20:32

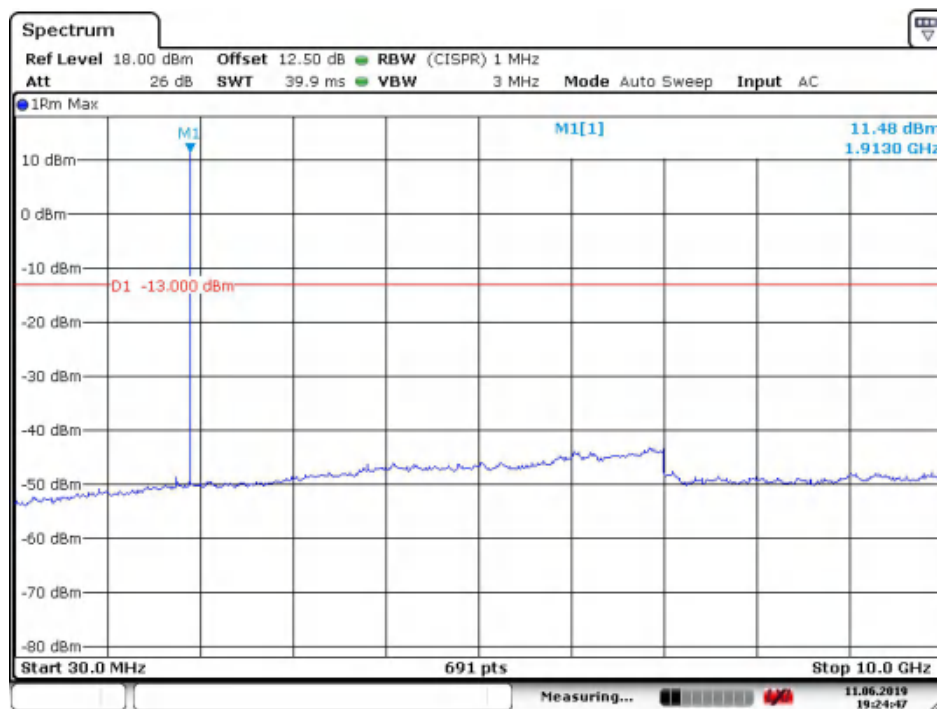
30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 19:22:38

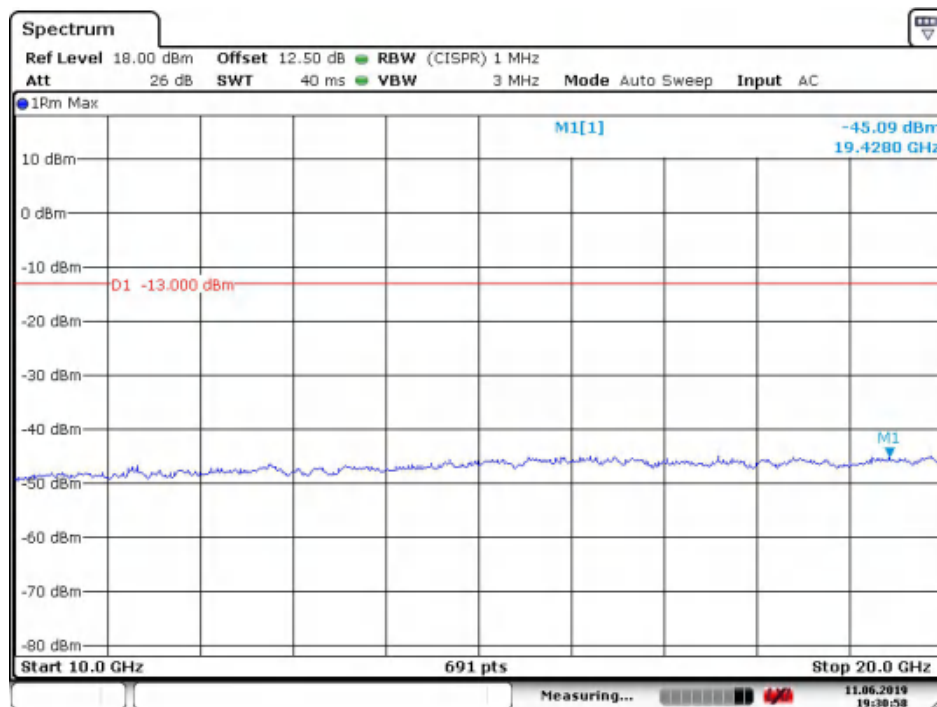
10GHz to 20GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0



Date: 11.JUN.2019 19:24:47

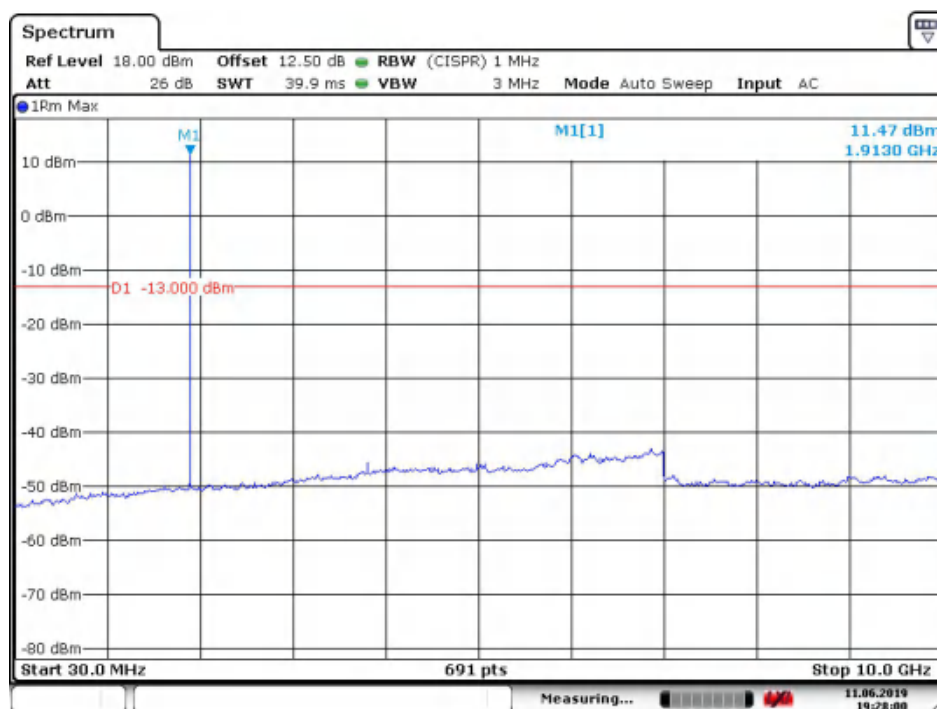
30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 19:30:58

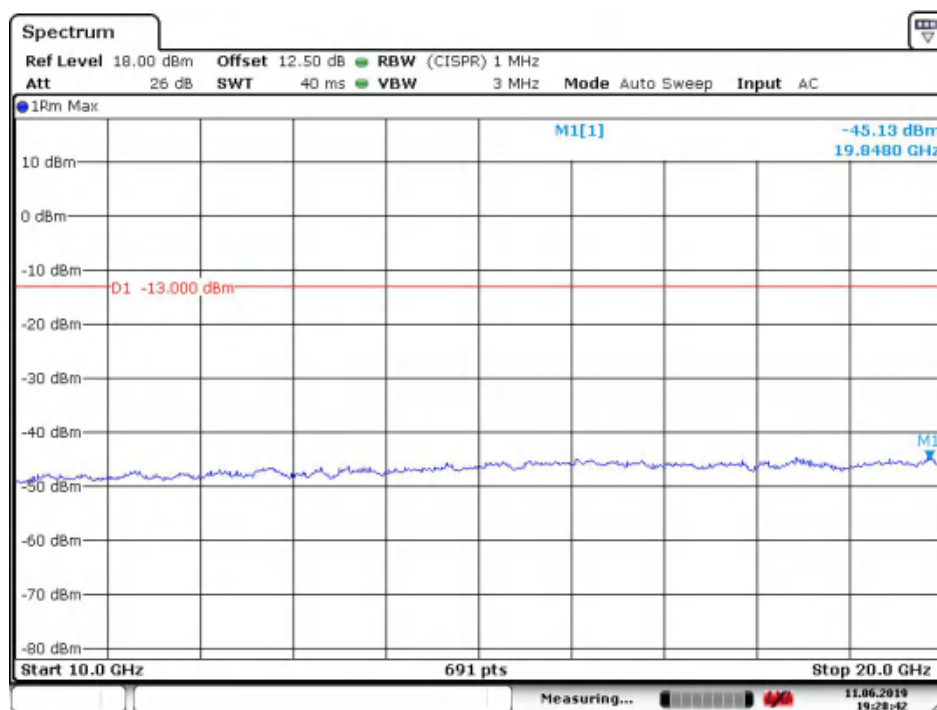
10GHz to 20GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0



Date: 11.JUN.2019 19:28:00

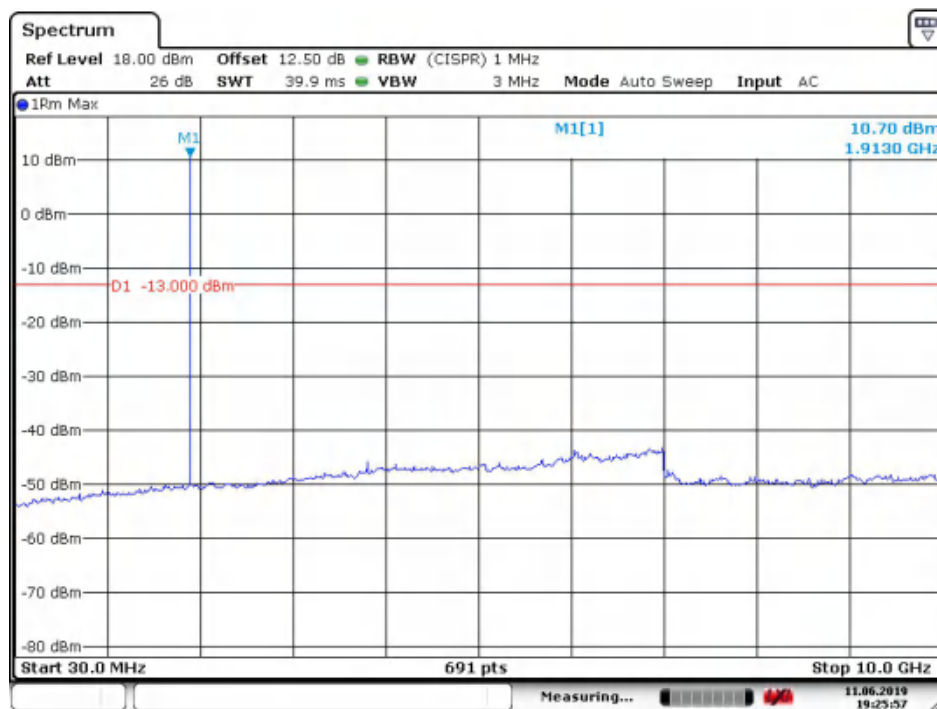
30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 19:28:41

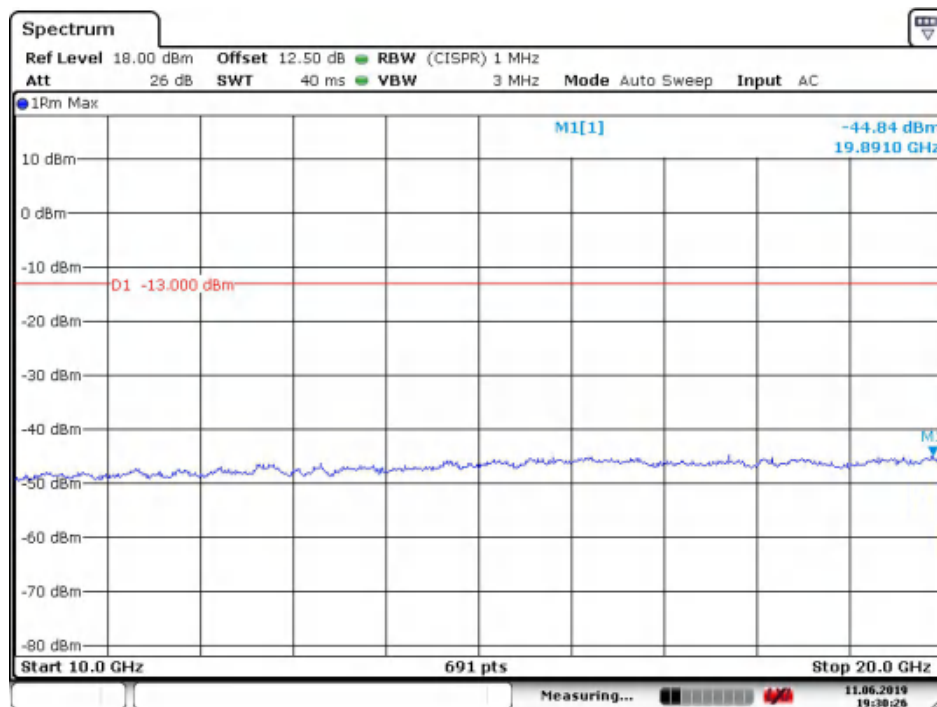
10GHz to 20GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0



Date: 11.JUN.2019 19:25:57

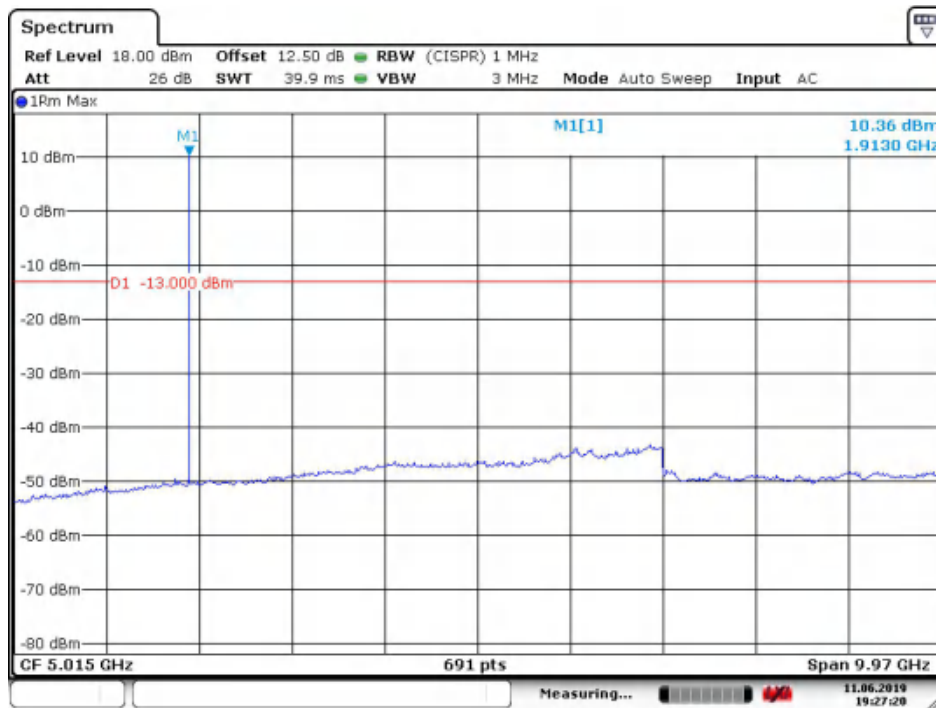
30MHz to 10GHz, High Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 19:30:26

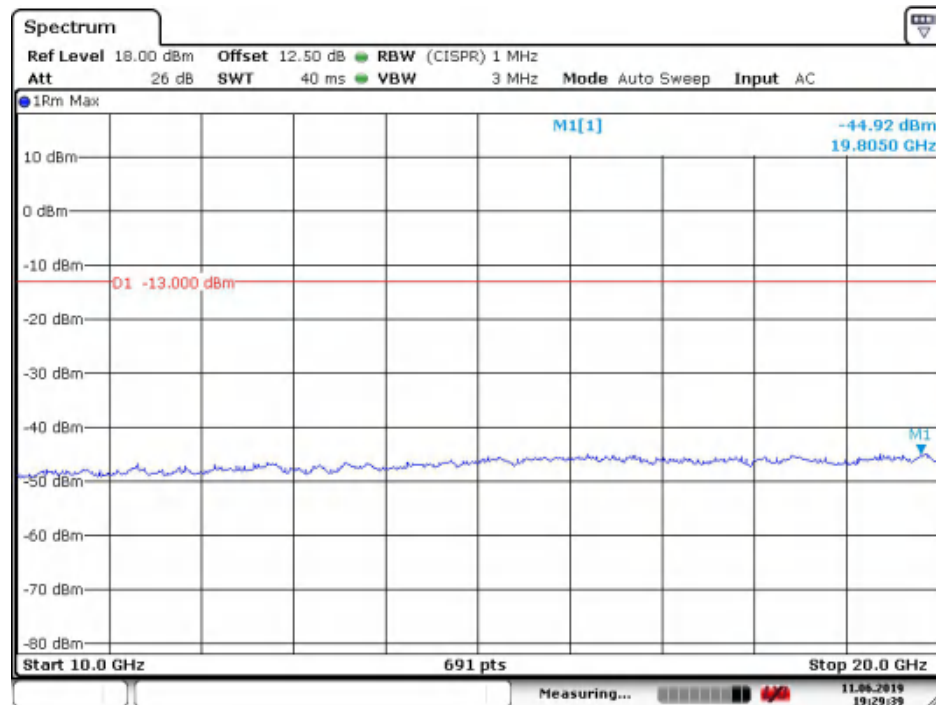
10GHz to 20GHz, High Channel, Subcarrier (15kHz), BPSK, 1@0



Date: 11.JUN.2019 19:27:20

30MHz to 10GHz, High Channel, Subcarrier (15kHz), BPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 19:29:38

10GHz to 20GHz, High Channel, Subcarrier (15kHz), BPSK, 12@0

Spectrum

Ref Level 18.00 dBm Offset 12.50 dB RBW (CISPR) 1 MHz
 Att 26 dB SWT 39.9 ms VBW 3 MHz Mode Auto Sweep Input AC

● 1Rm Max

M1 12.17 dBm 1.7110 GHz

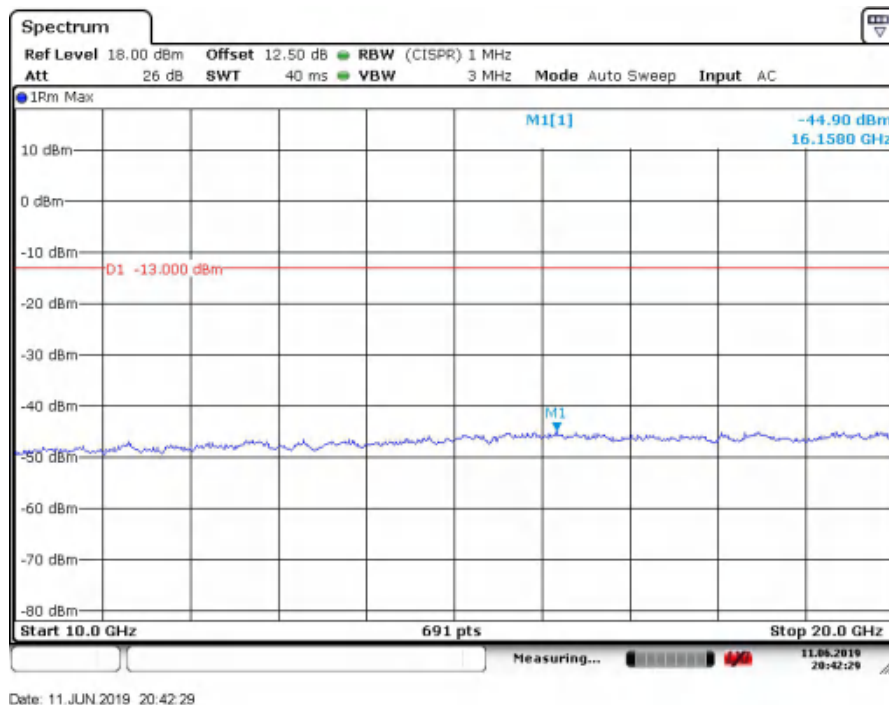
D1 -13.000 dBm

Start 30.0 MHz 691 pts Stop 10.0 GHz

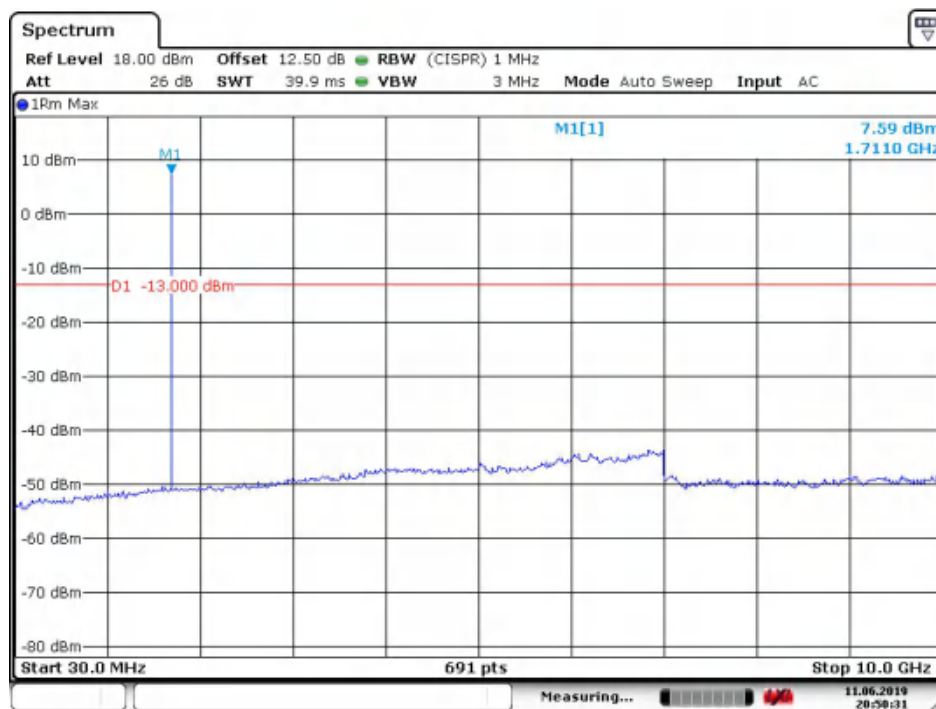
Measuring... 11.06.2019 20:49:55

Date: 11 JUN 2019 20:49:55

Note: The strong emission shown in each case is the carrier signal.



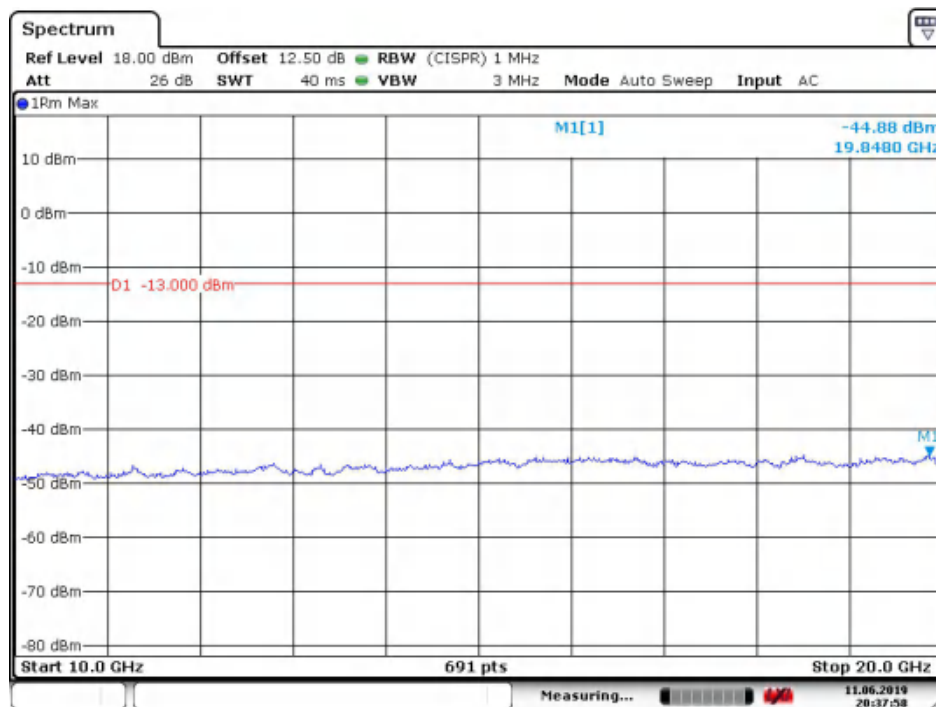
10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0



Date: 11.JUN.2019 20:50:30

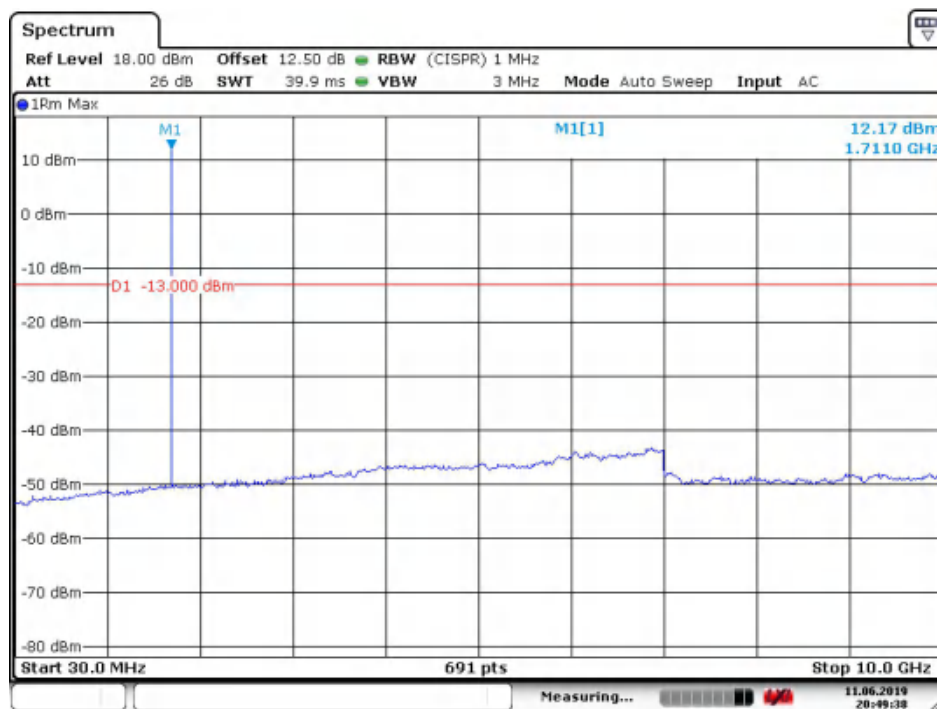
30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:37:59

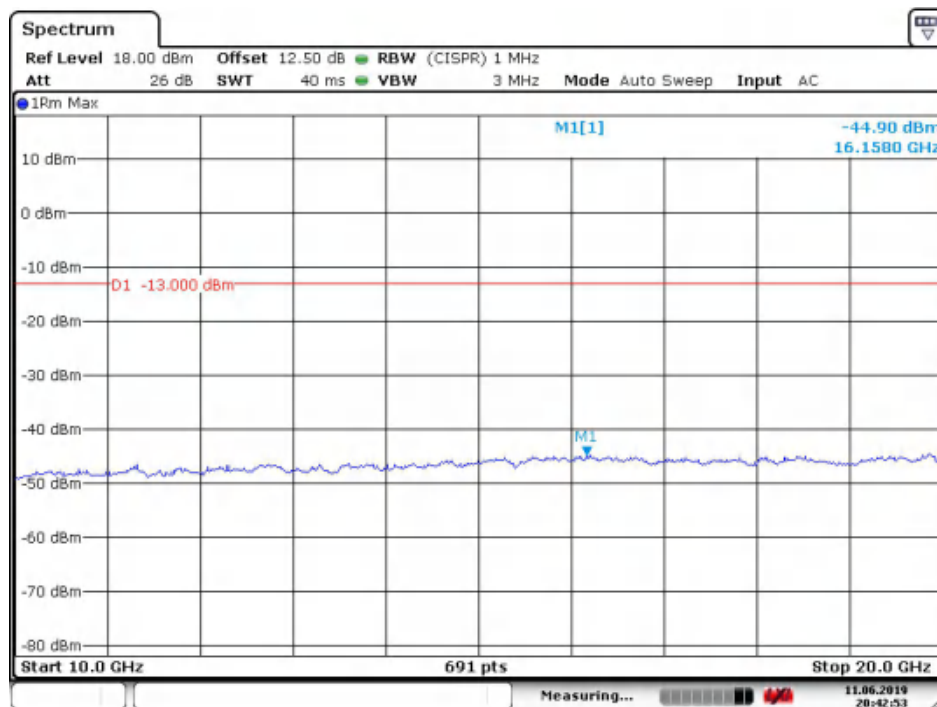
10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0



Date: 11.JUN.2019 20:49:38

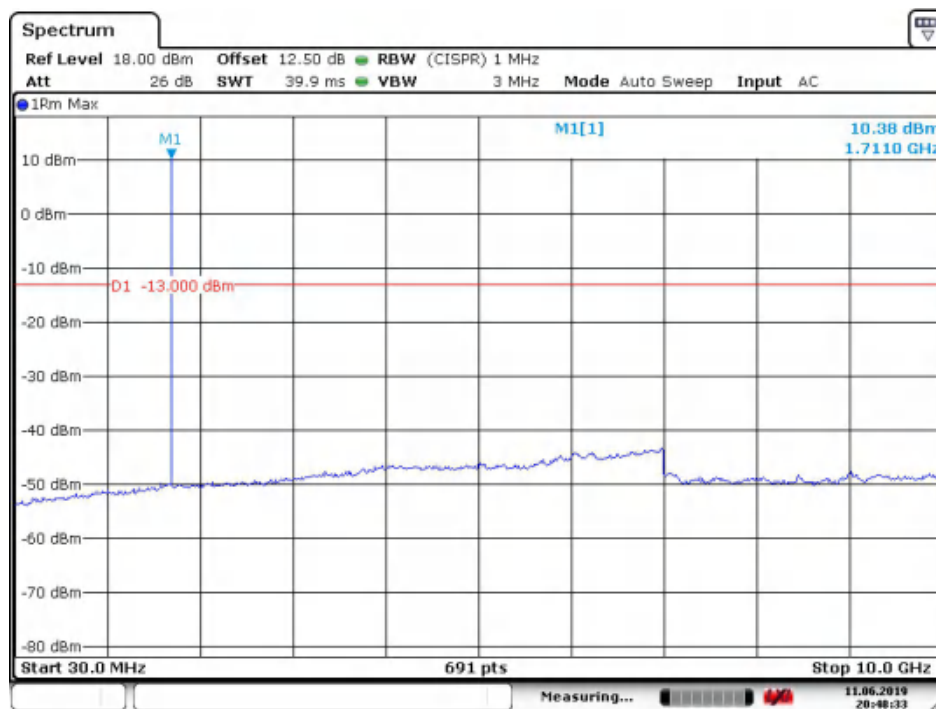
30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:42:54

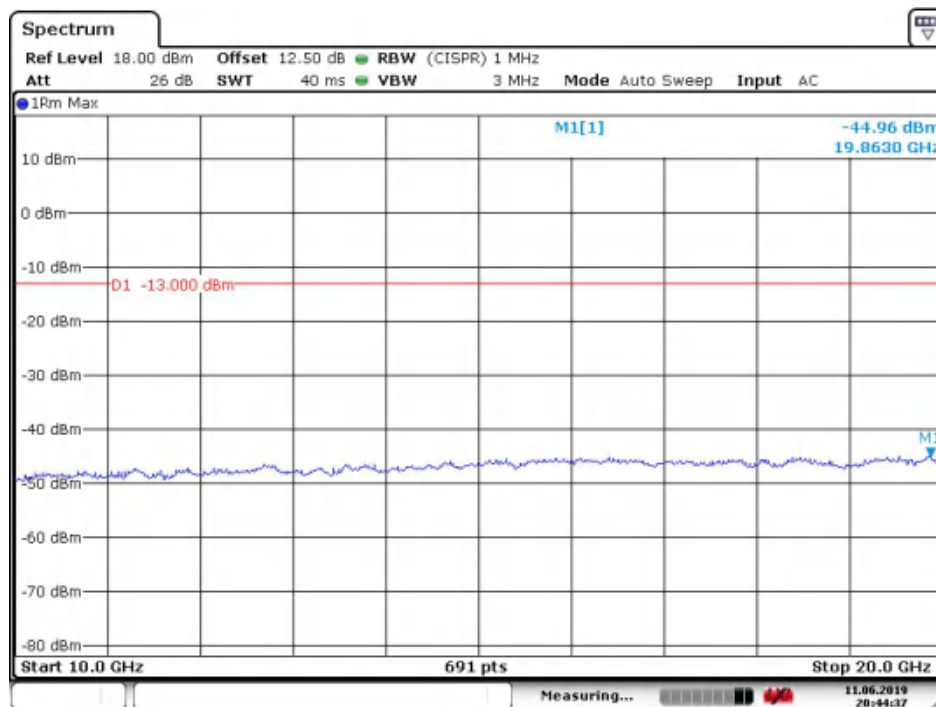
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0



Date: 11.JUN.2019 20:48:33

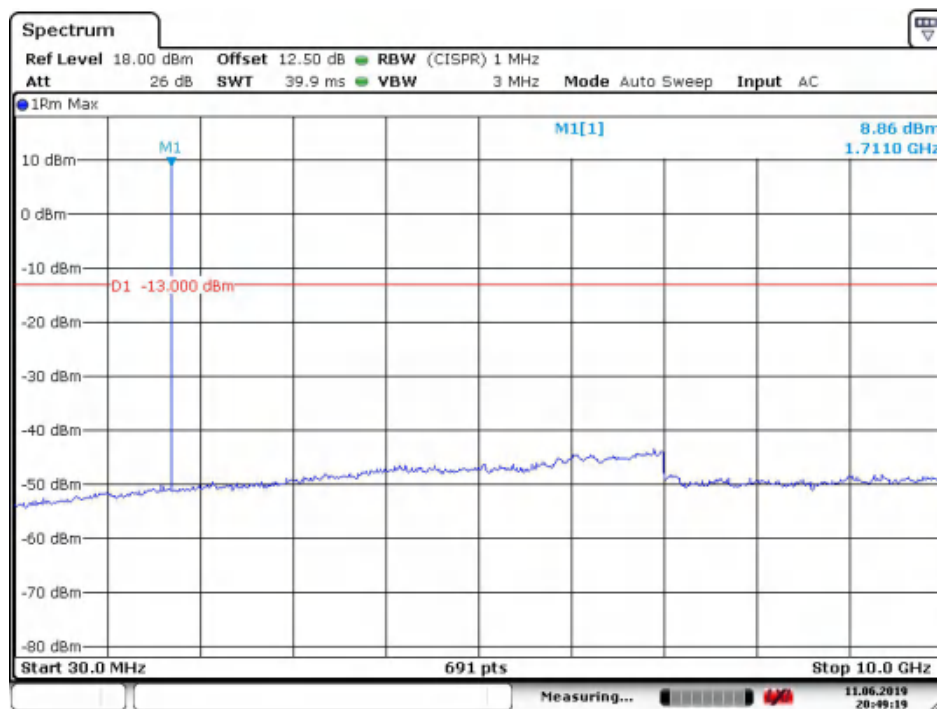
30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:44:37

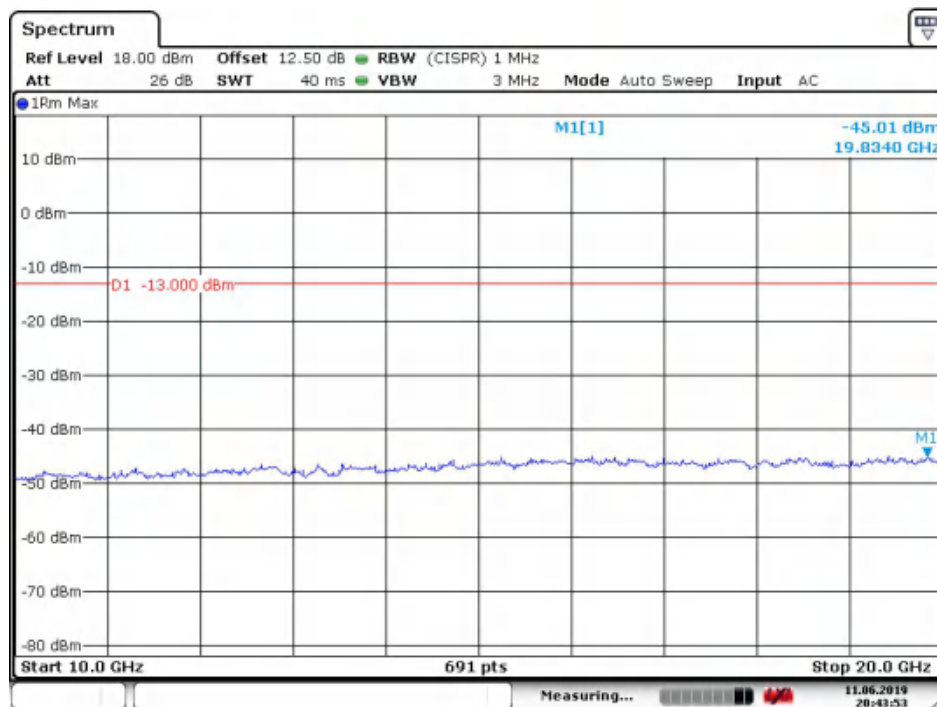
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0



Date: 11.JUN.2019 20:49:19

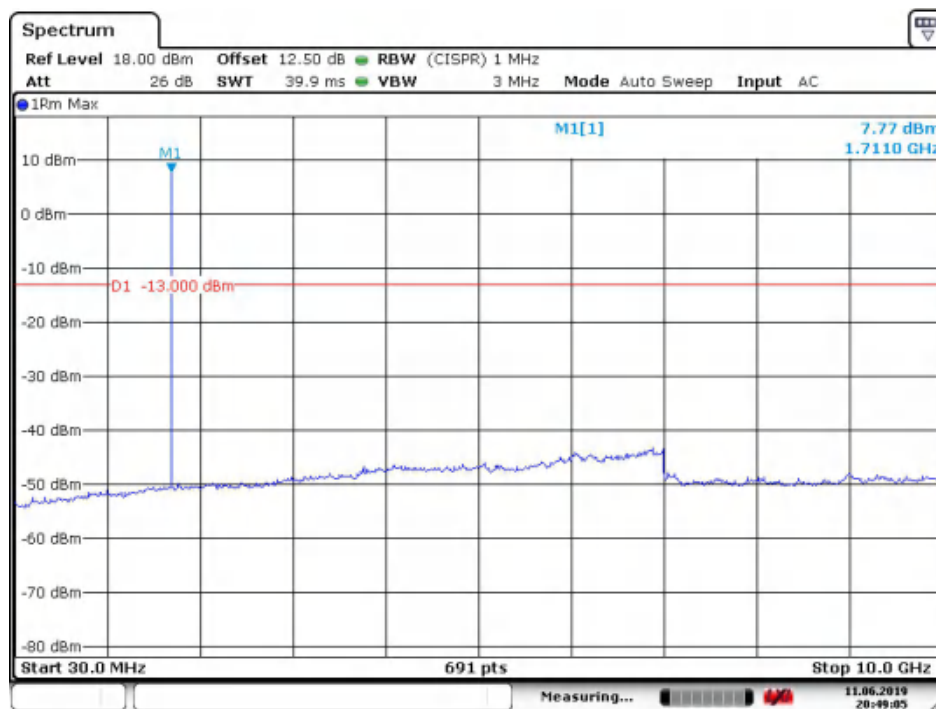
30MHz to 10GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:43:54

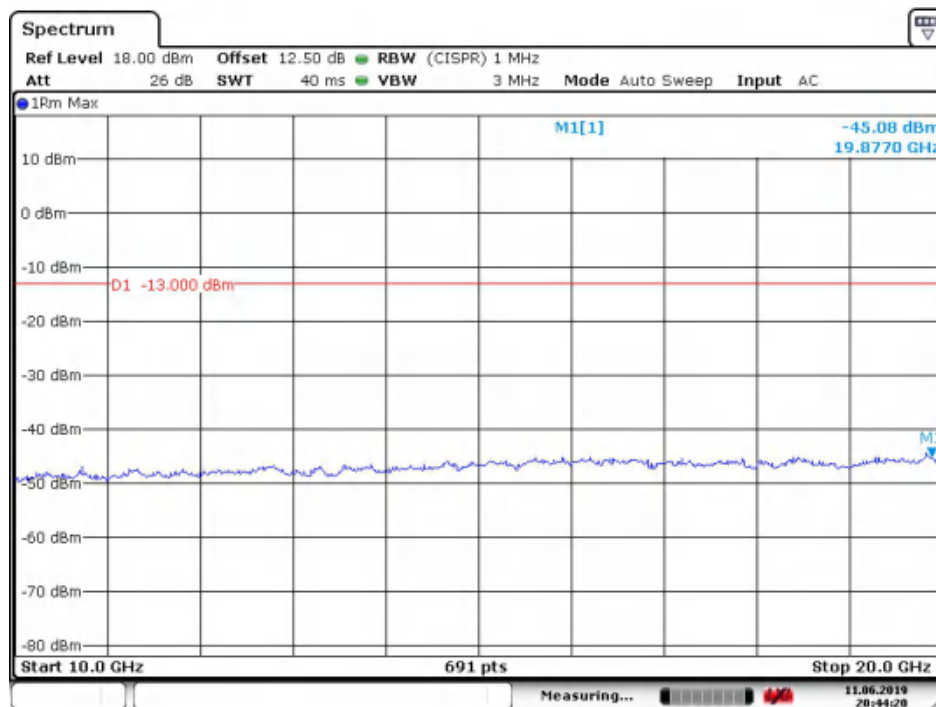
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0



Date: 11.JUN.2019 20:49:04

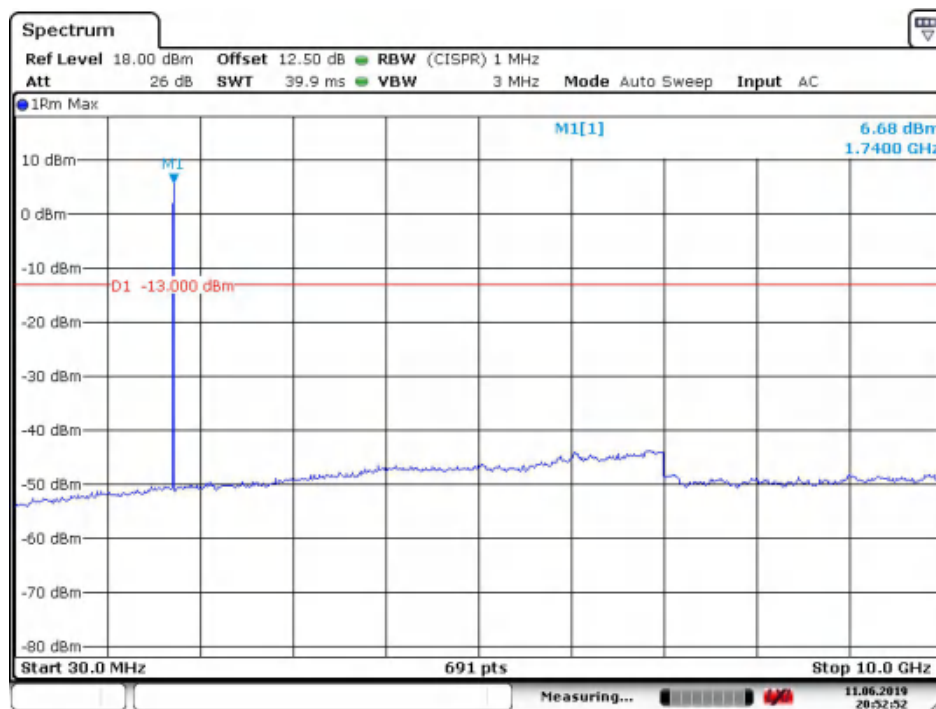
30MHz to 10GHz, Low Channel, Subcarrier (15kHz), BPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:44:20

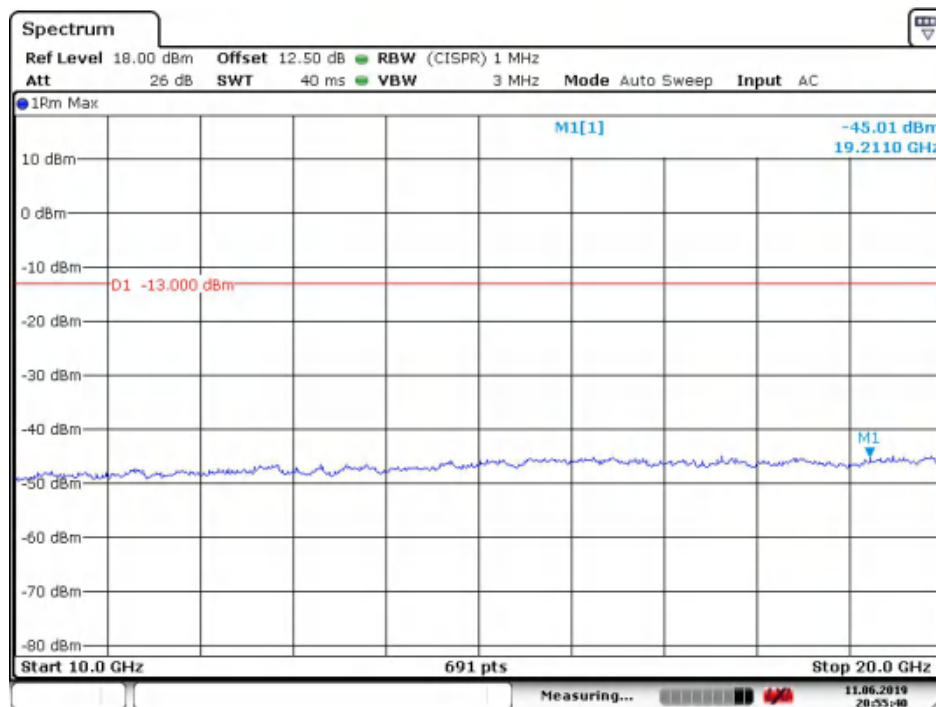
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), BPSK, 12@0



Date: 11.JUN.2019 20:52:52

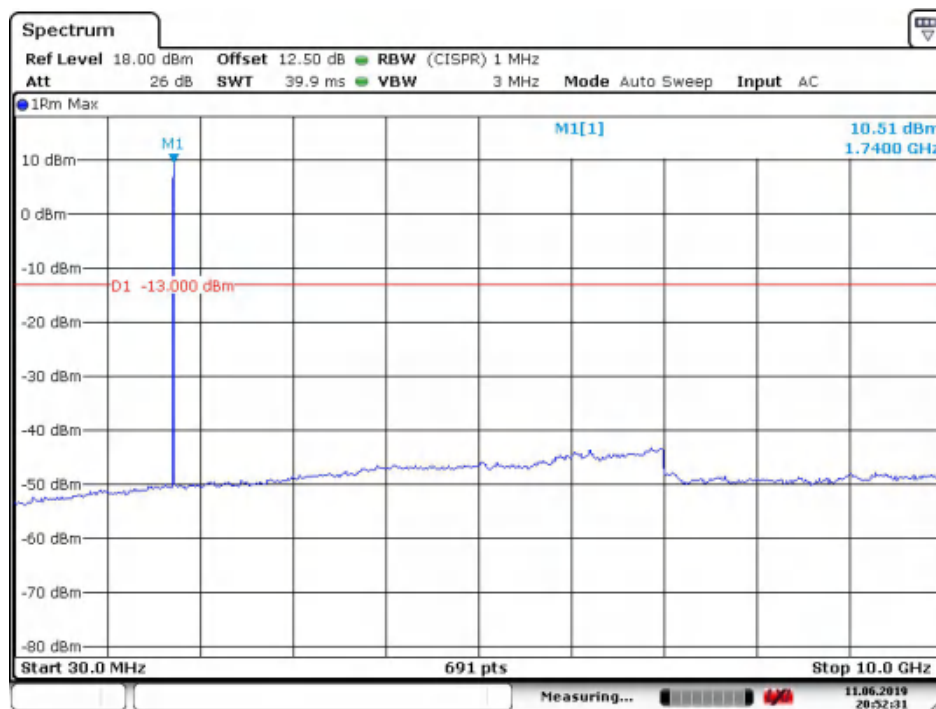
30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:55:40

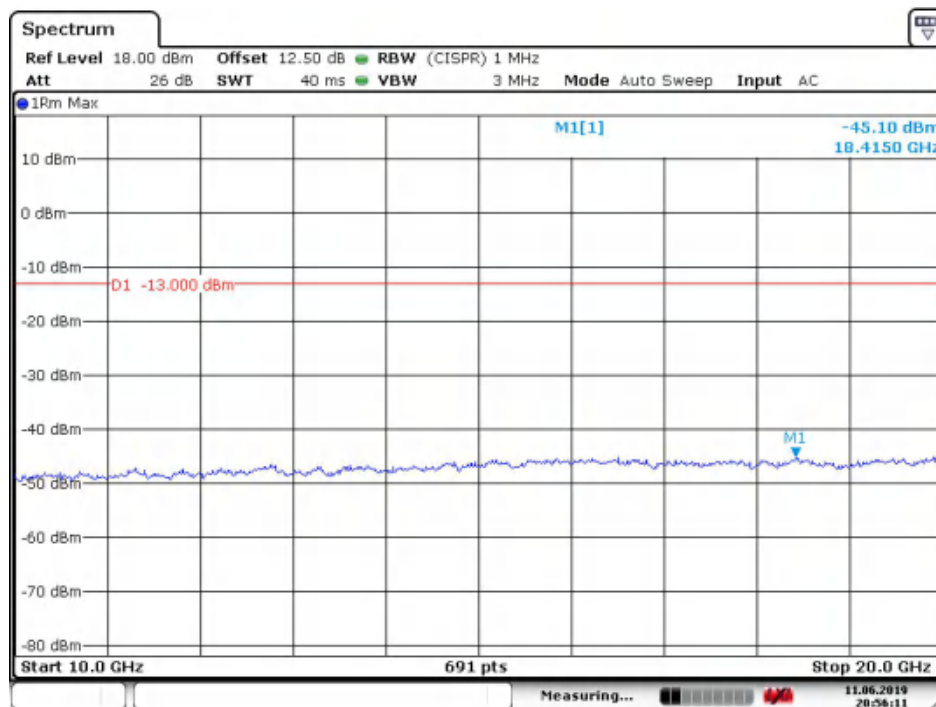
10GHz to 20GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0



Date: 11.JUN.2019 20:52:32

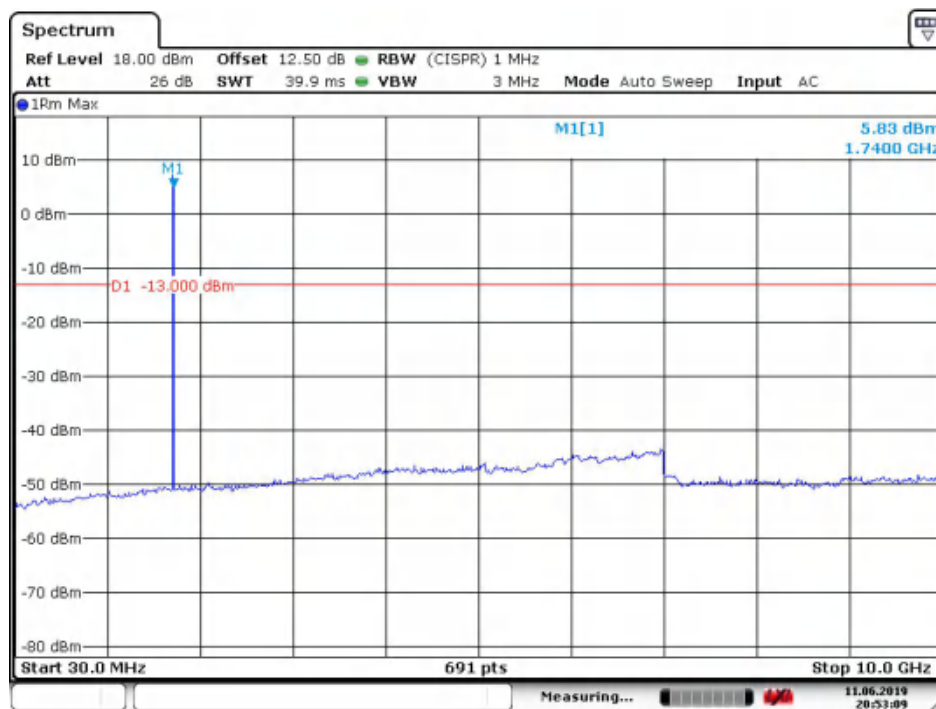
30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:56:12

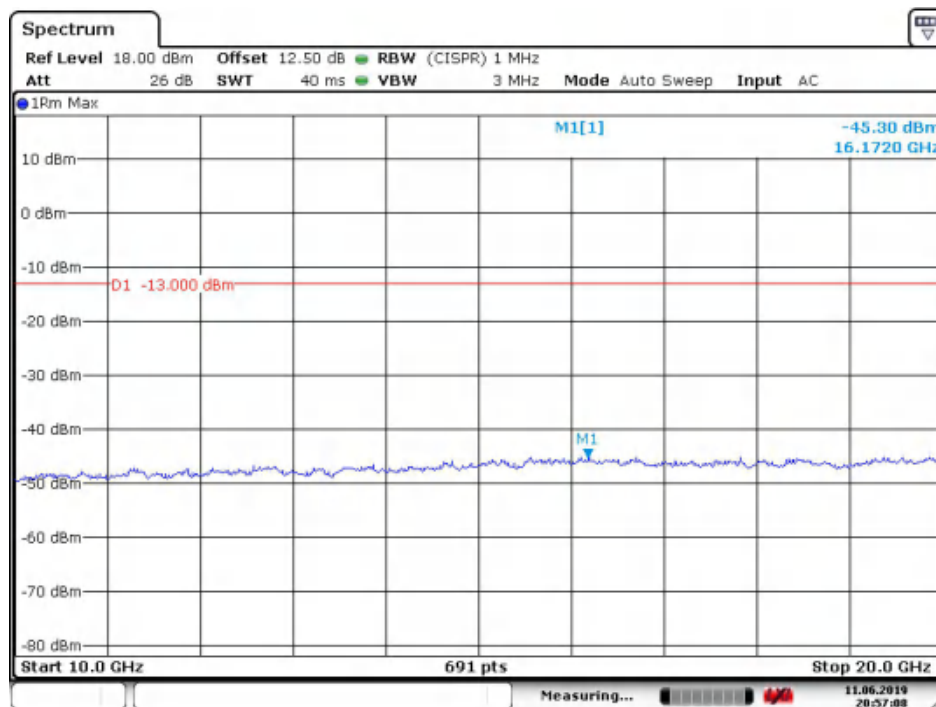
10GHz to 20GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0



Date: 11.JUN.2019 20:53:09

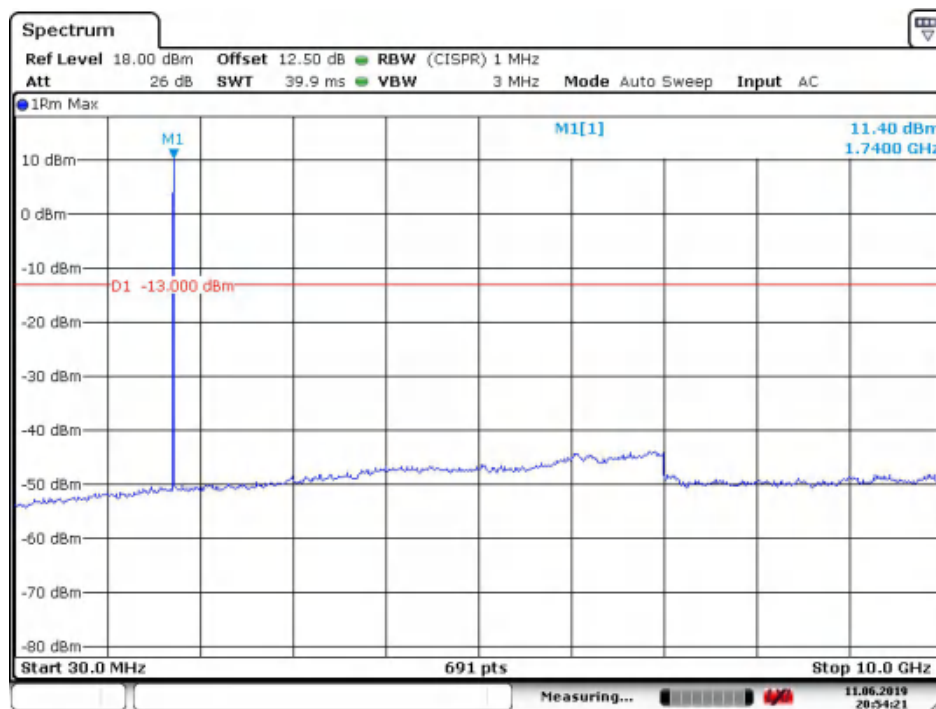
30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:57:08

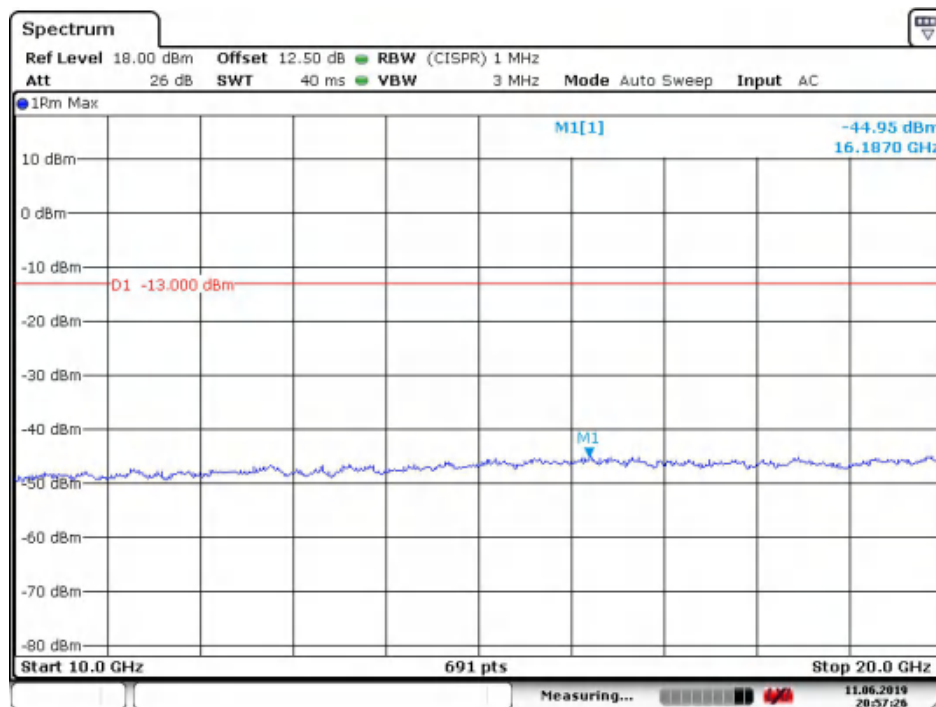
10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0



Date: 11.JUN.2019 20:54:21

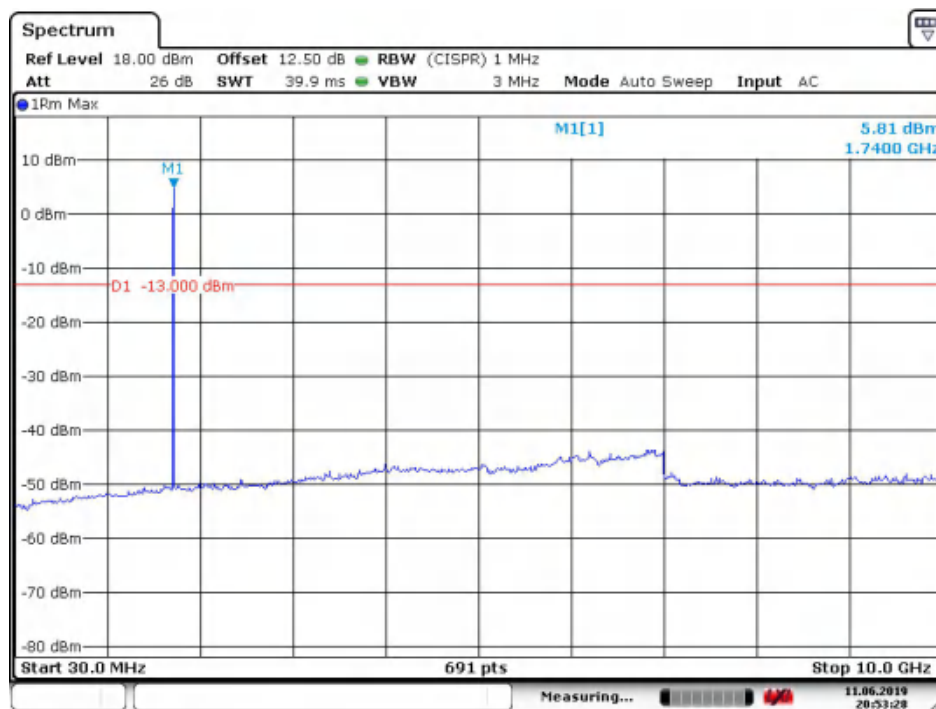
30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:57:27

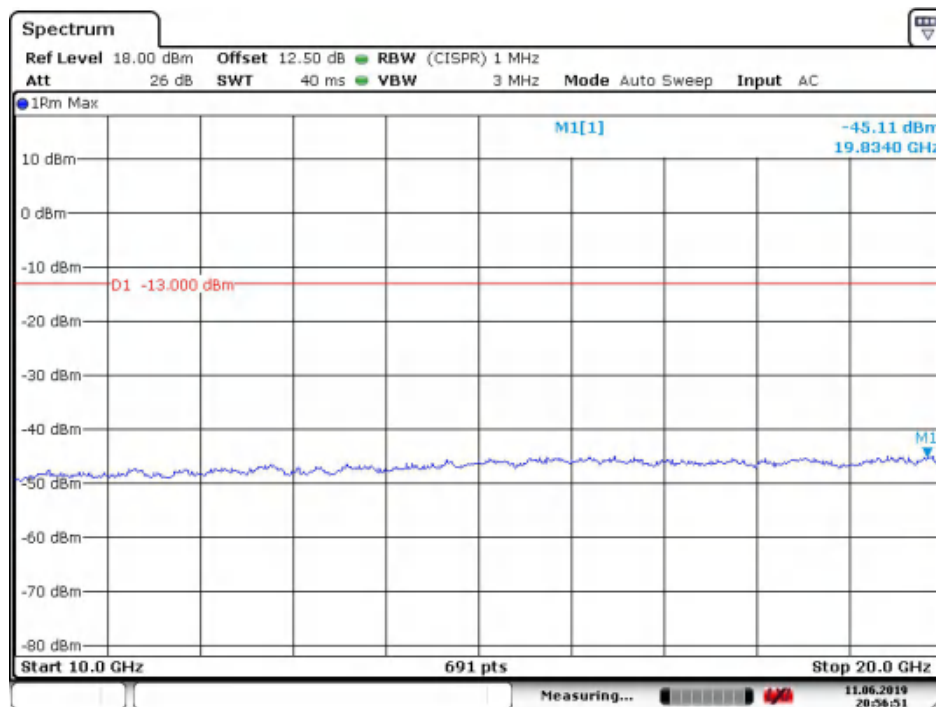
10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0



Date: 11.JUN.2019 20:53:28

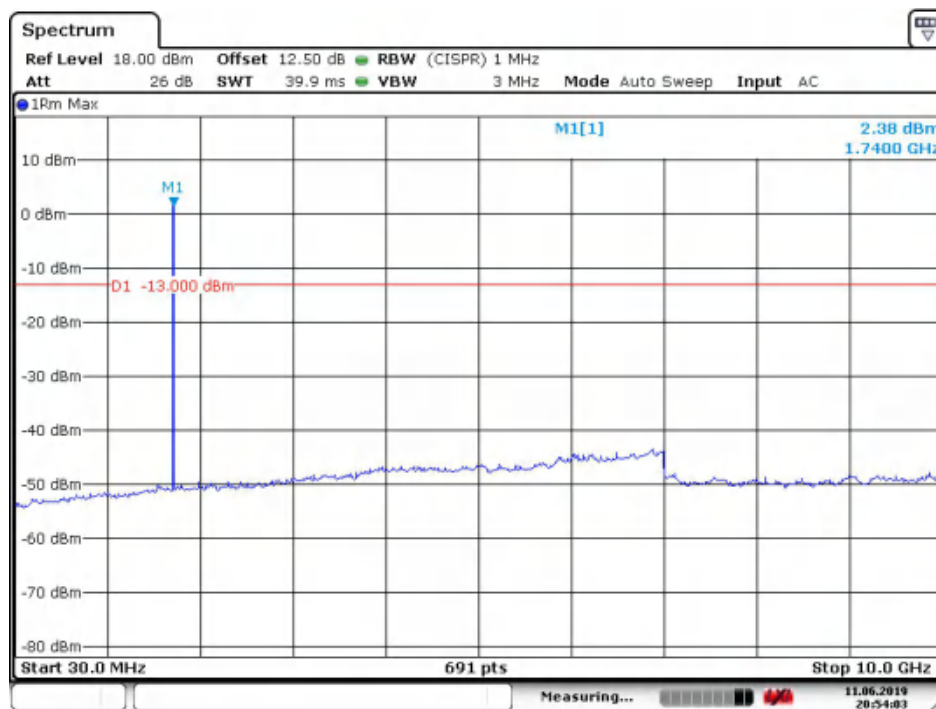
30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:56:51

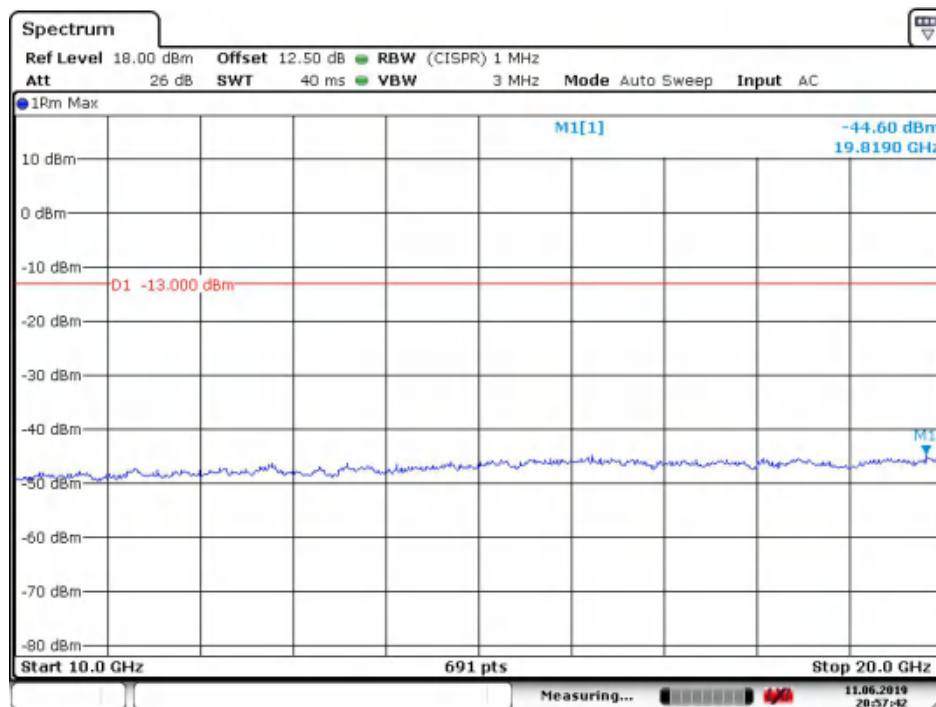
10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0



Date: 11.JUN.2019 20:54:02

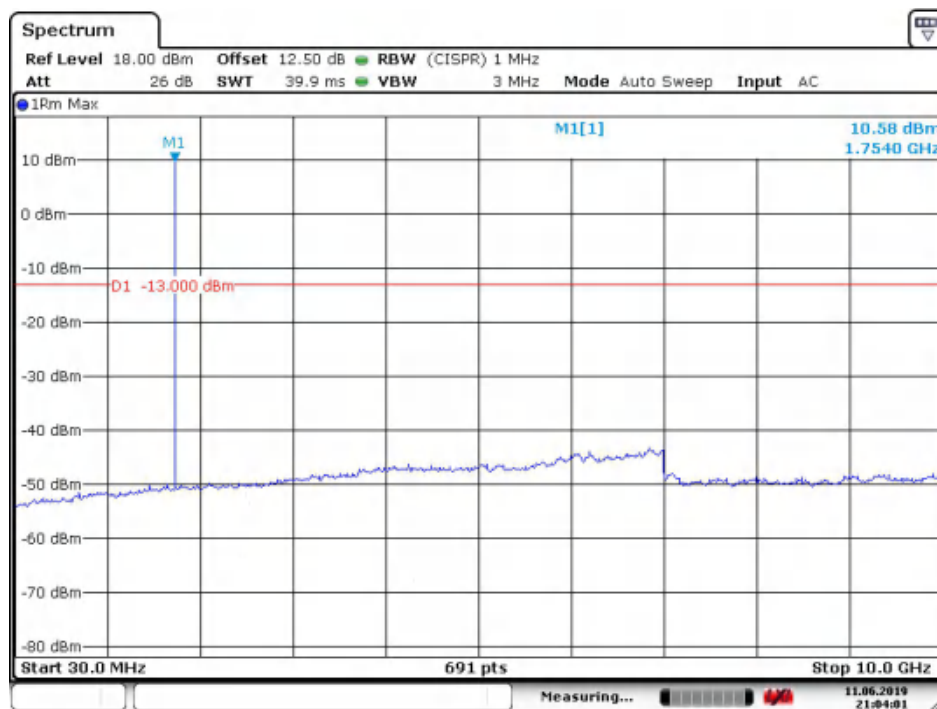
30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), BPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:57:42

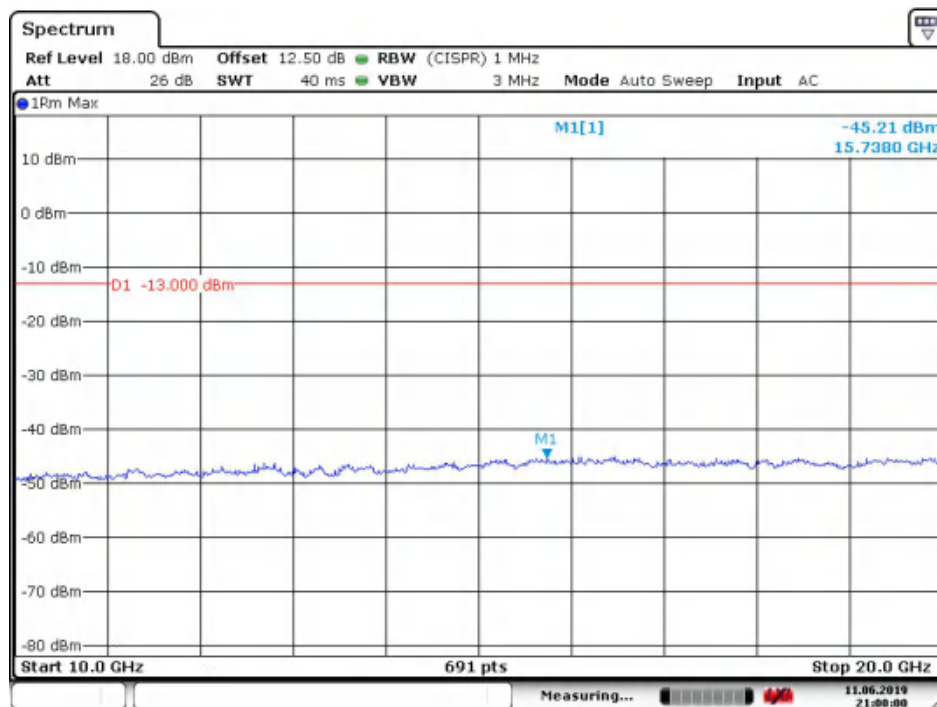
10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), BPSK, 12@0



Date: 11.JUN.2019 21:04:01

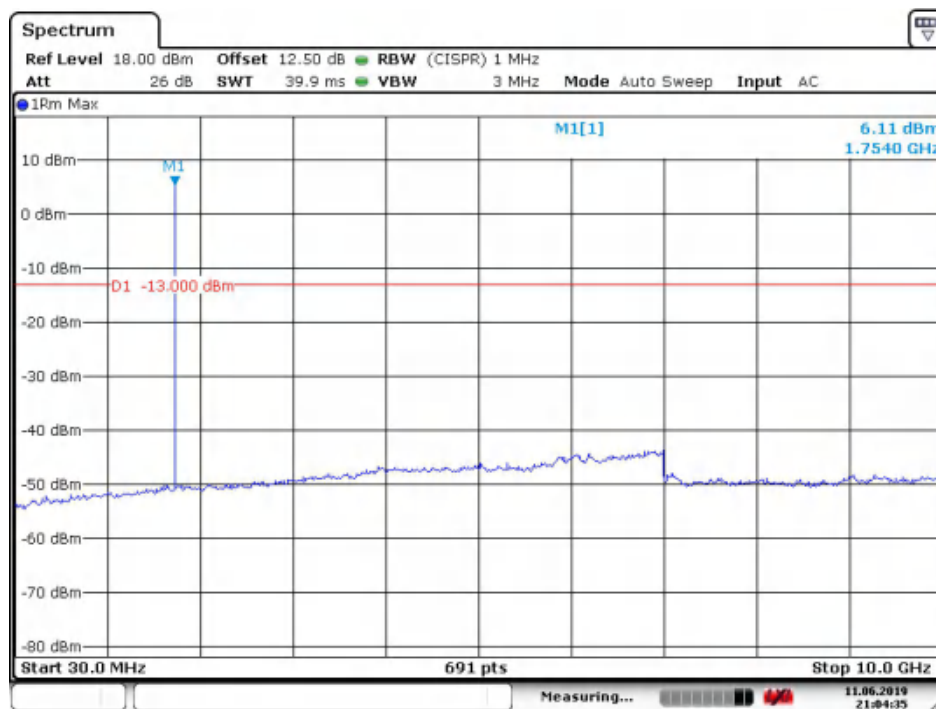
30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:00:00

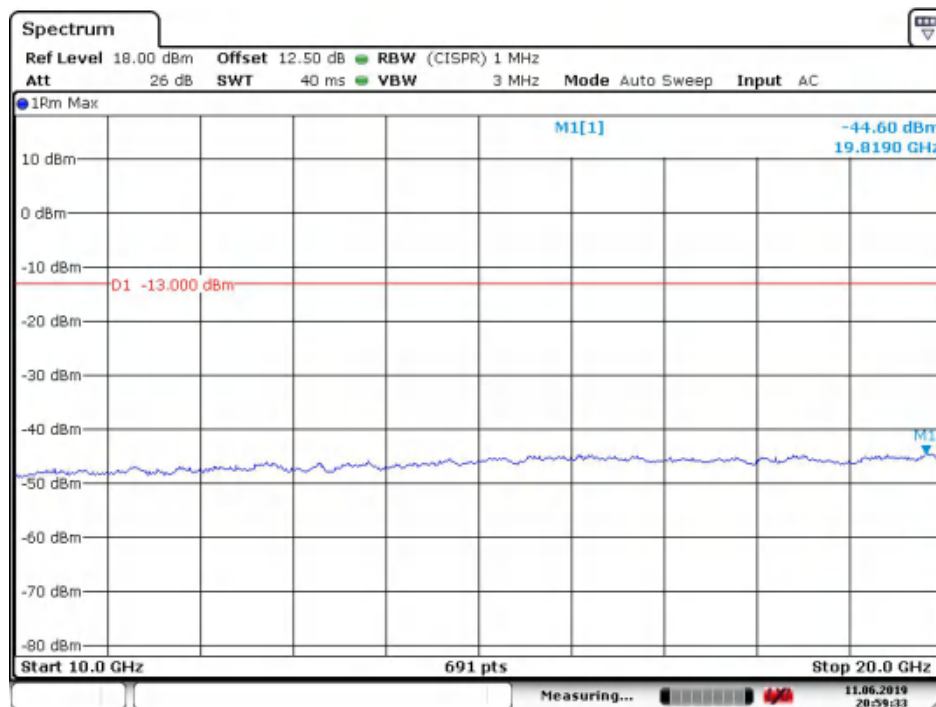
10GHz to 20GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0



Date: 11.JUN.2019 21:04:35

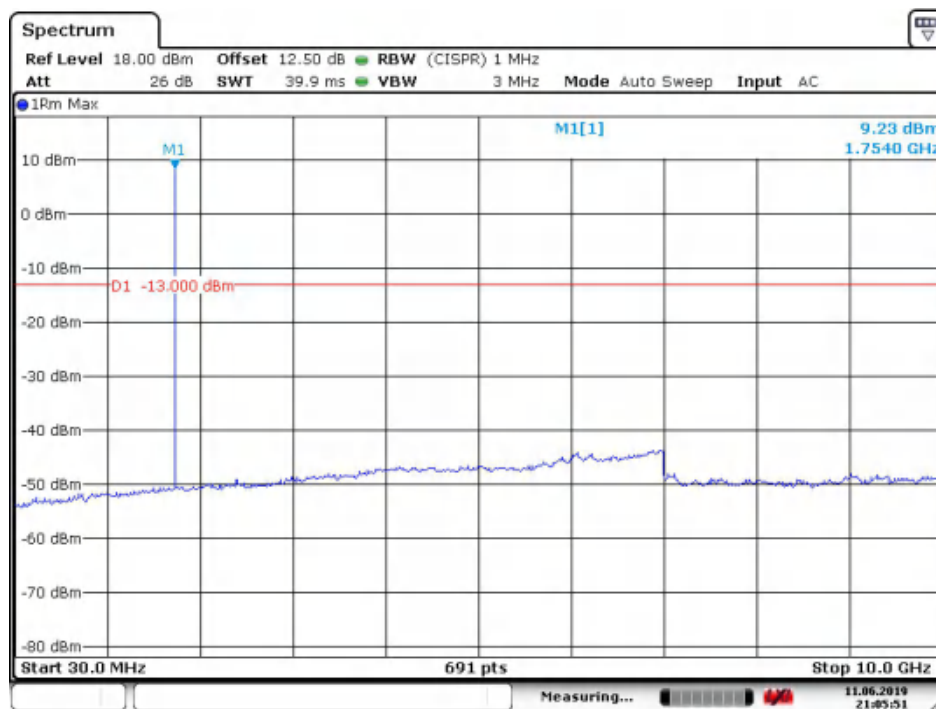
30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 20:59:33

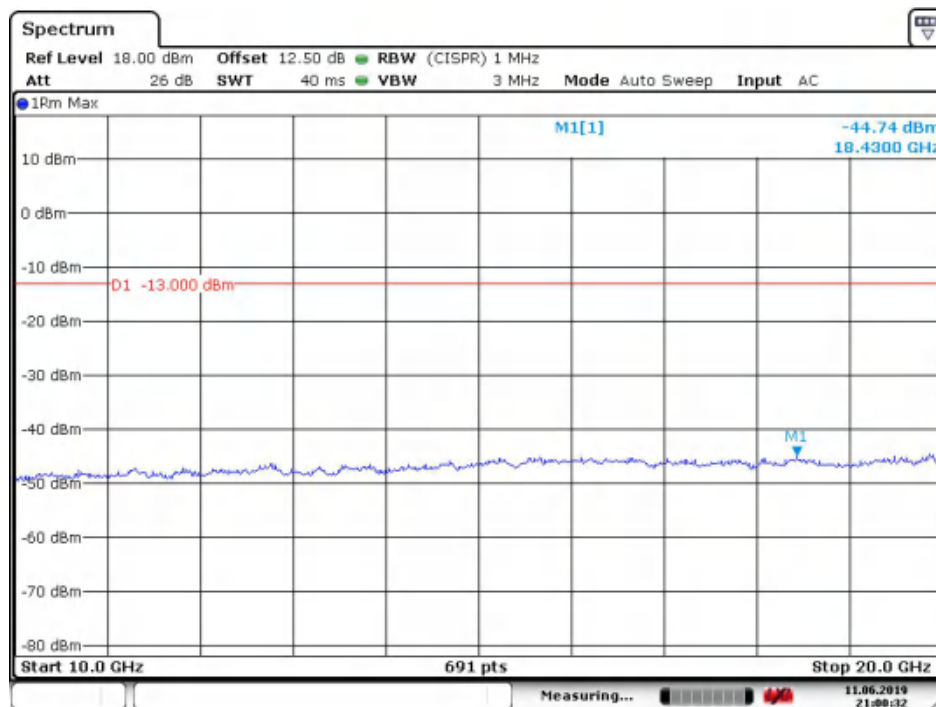
10GHz to 20GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0



Date: 11.JUN.2019 21:05:52

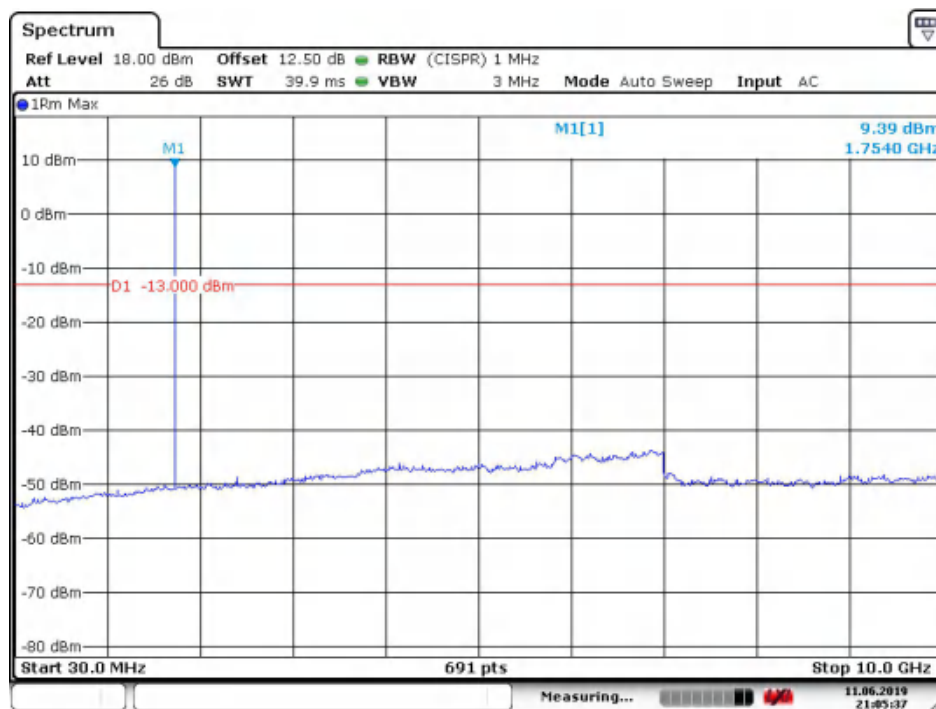
30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:00:32

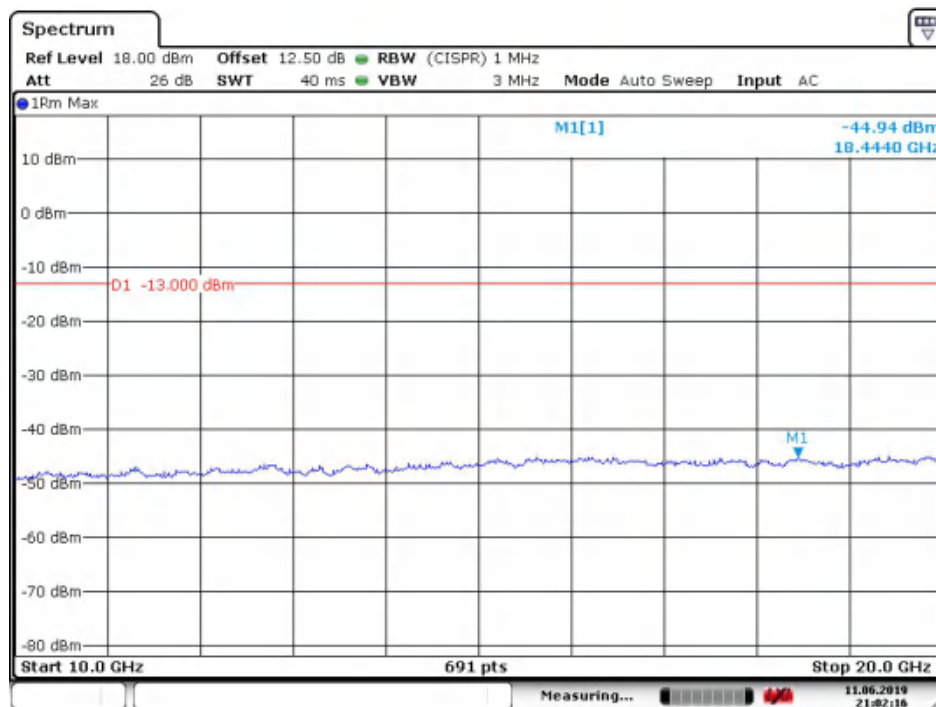
10GHz to 20GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0



Date: 11.JUN.2019 21:05:37

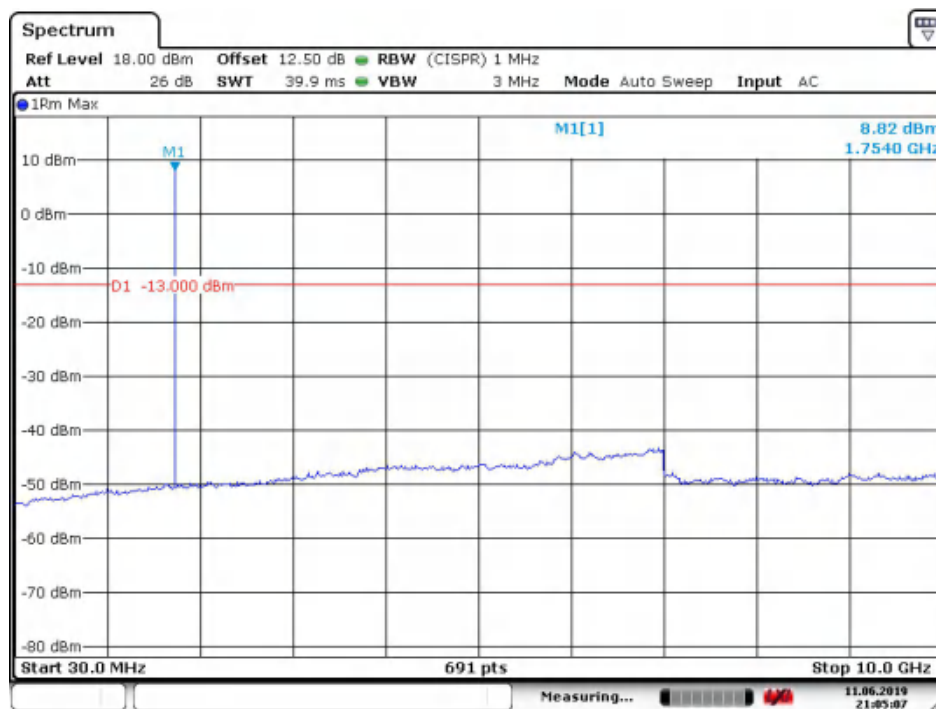
30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:02:16

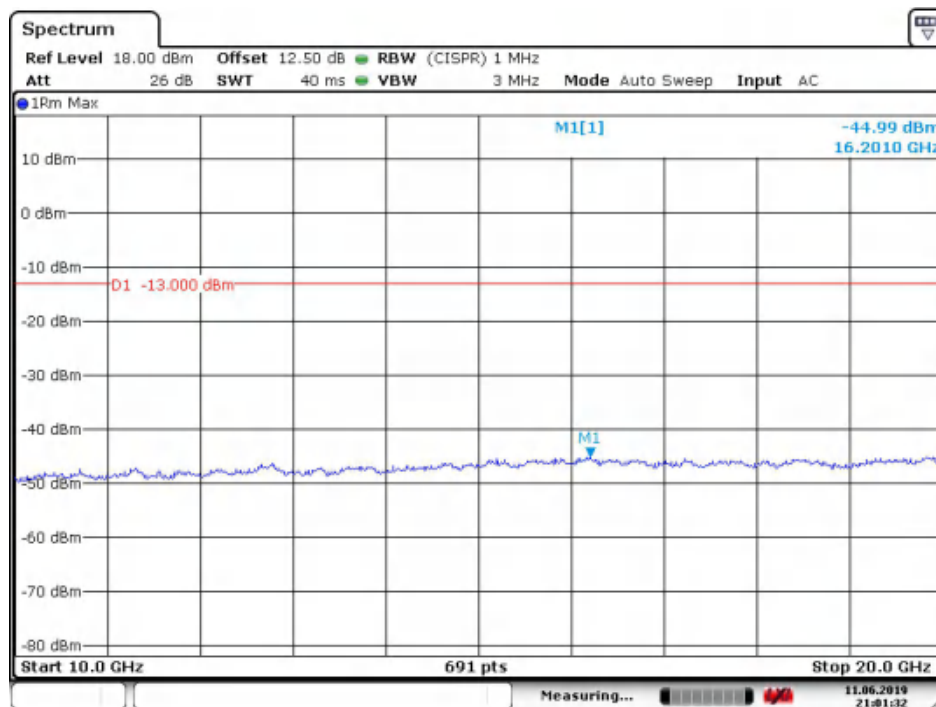
10GHz to 20GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0



Date: 11.JUN.2019 21:05:07

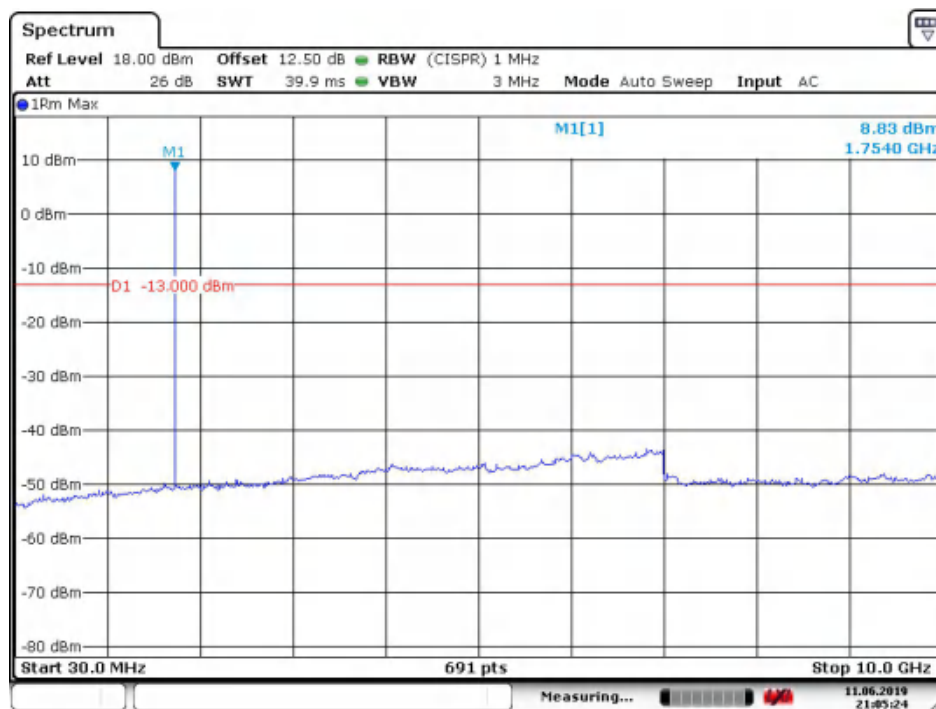
30MHz to 10GHz, High Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:01:32

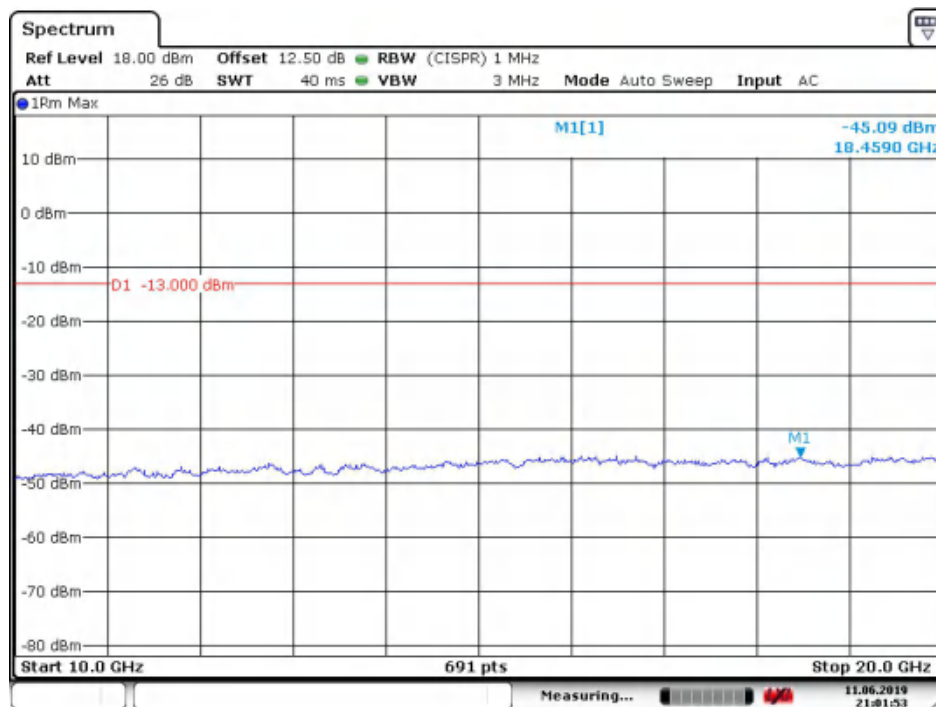
10GHz to 20GHz, High Channel, Subcarrier (15kHz), BPSK, 1@0



Date: 11.JUN.2019 21:05:24

30MHz to 10GHz, High Channel, Subcarrier (15kHz), BPSK, 12@0

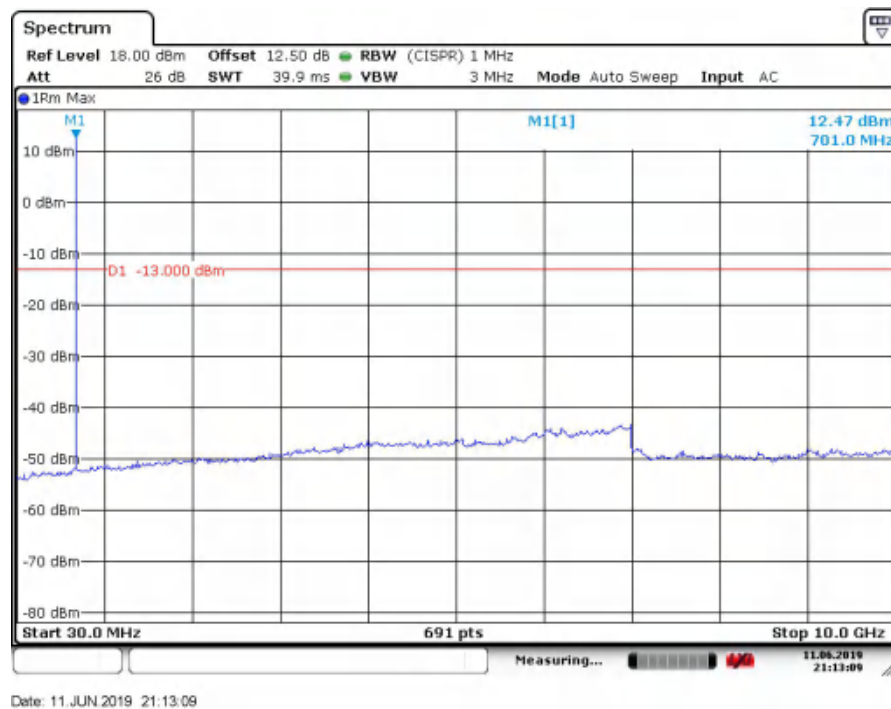
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:01:54

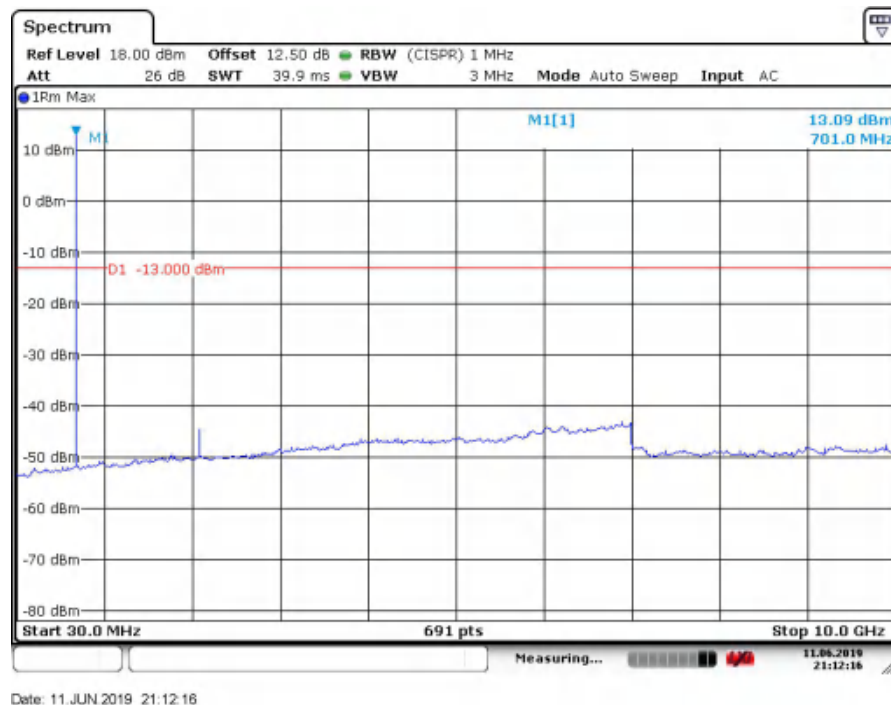
10GHz to 20GHz, High Channel, Subcarrier (15kHz), BPSK, 12@0

5.3.3 NB-IoT Band 12



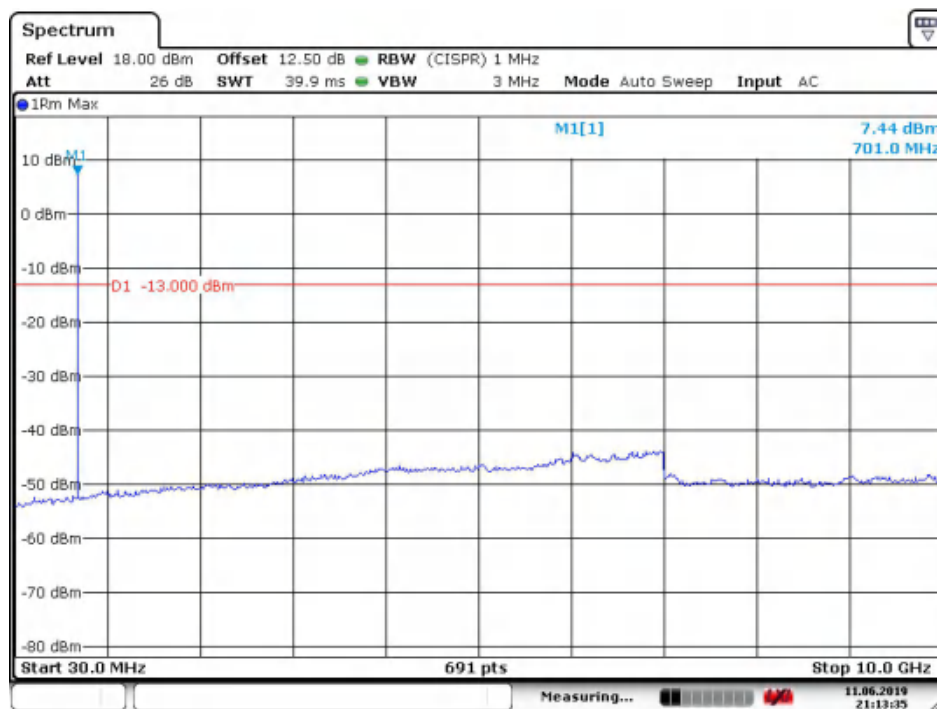
30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

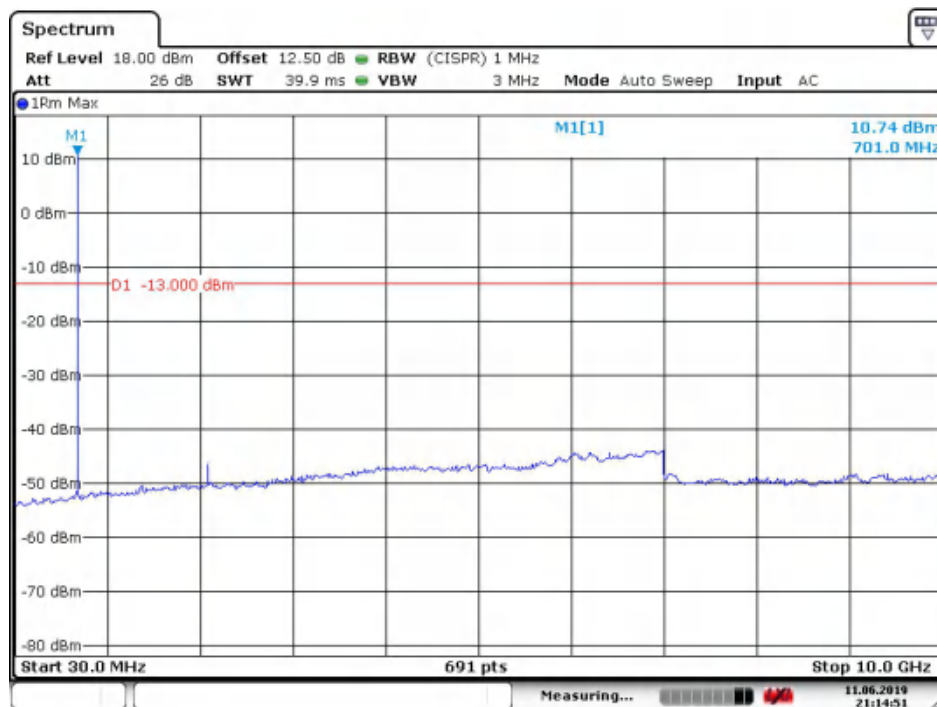
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:13:35

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0

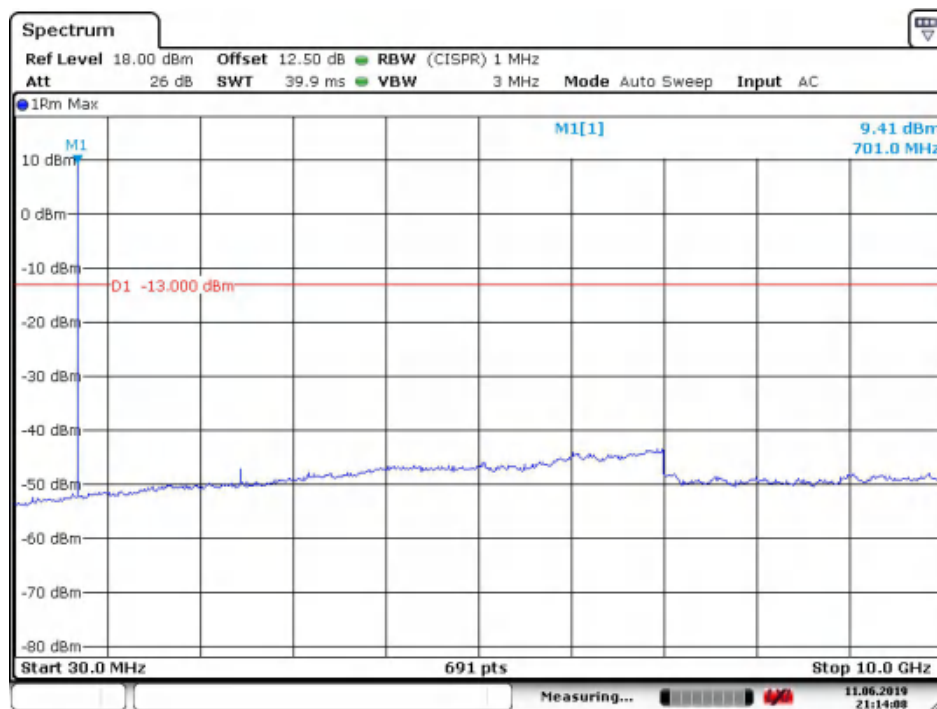
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:14:51

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0

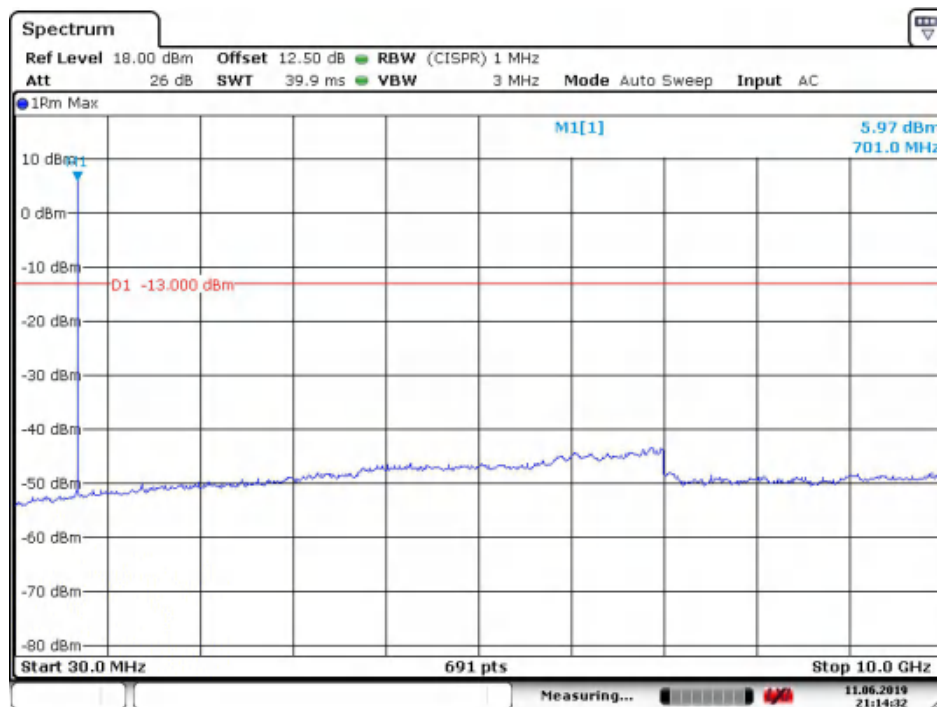
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:14:08

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0

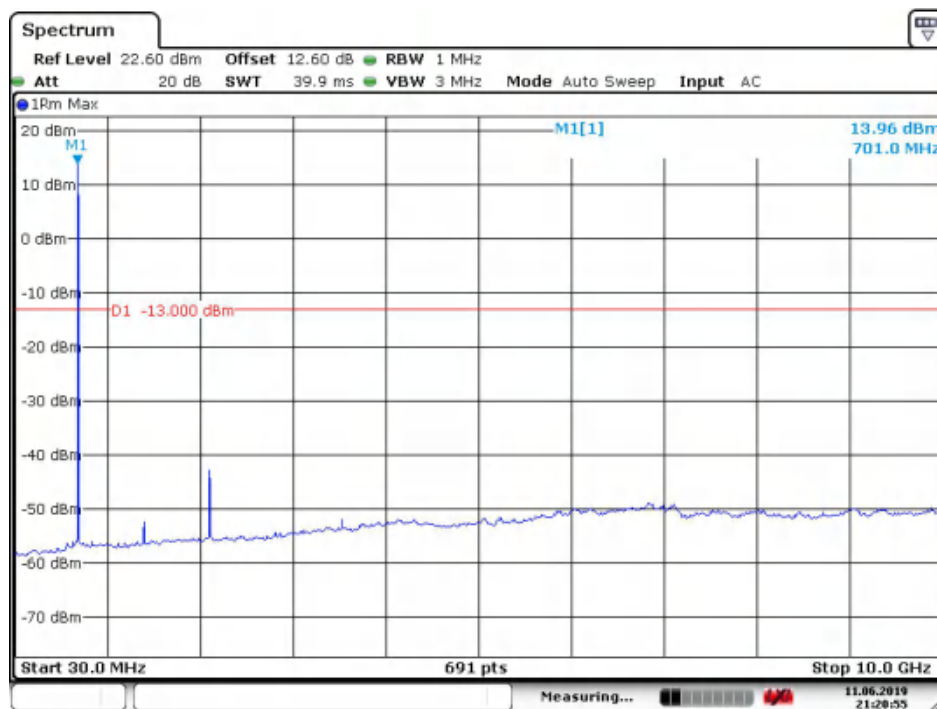
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:14:32

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), BPSK, 12@0

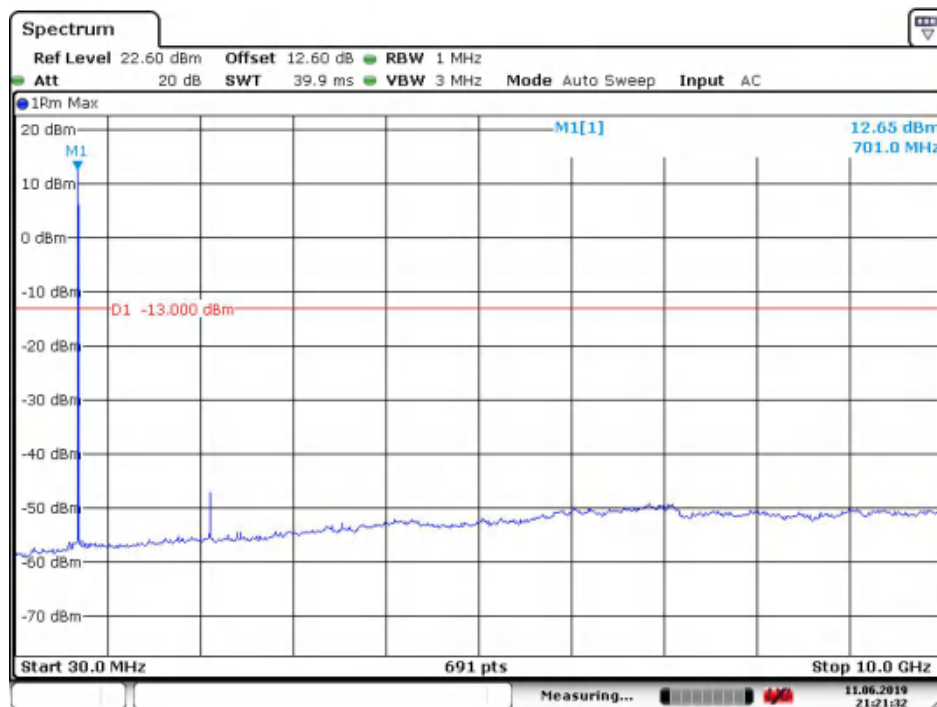
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:20:55

30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0

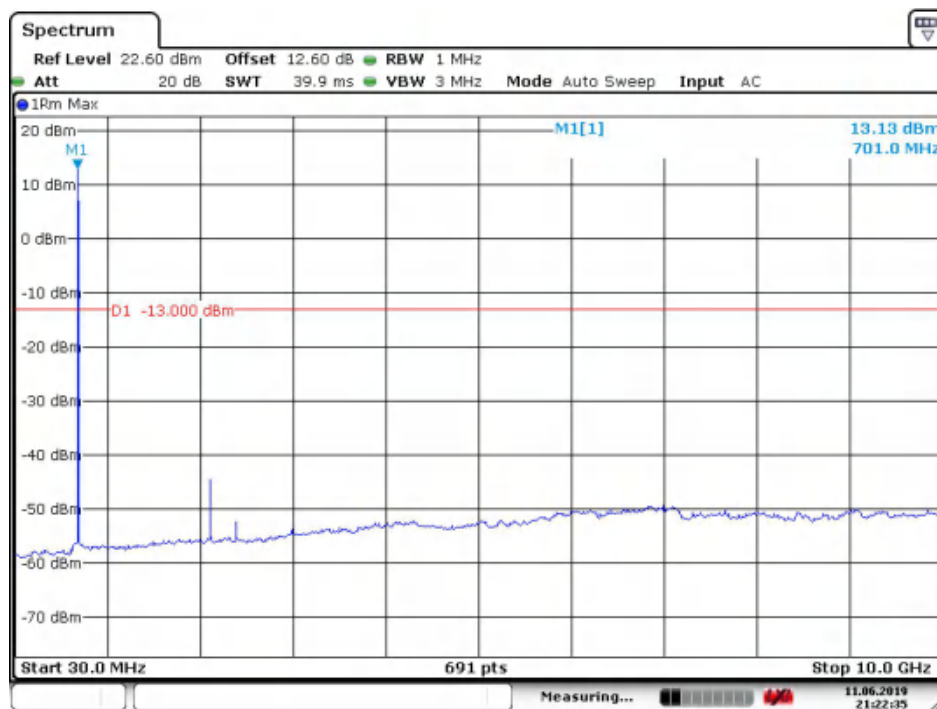
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:21:33

30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0

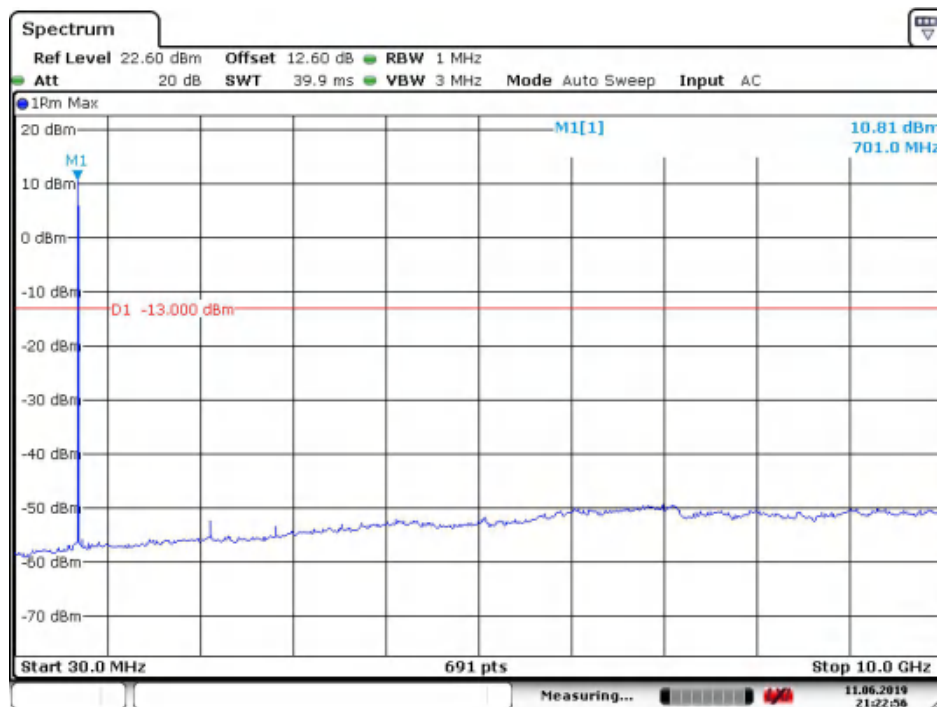
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:22:36

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0

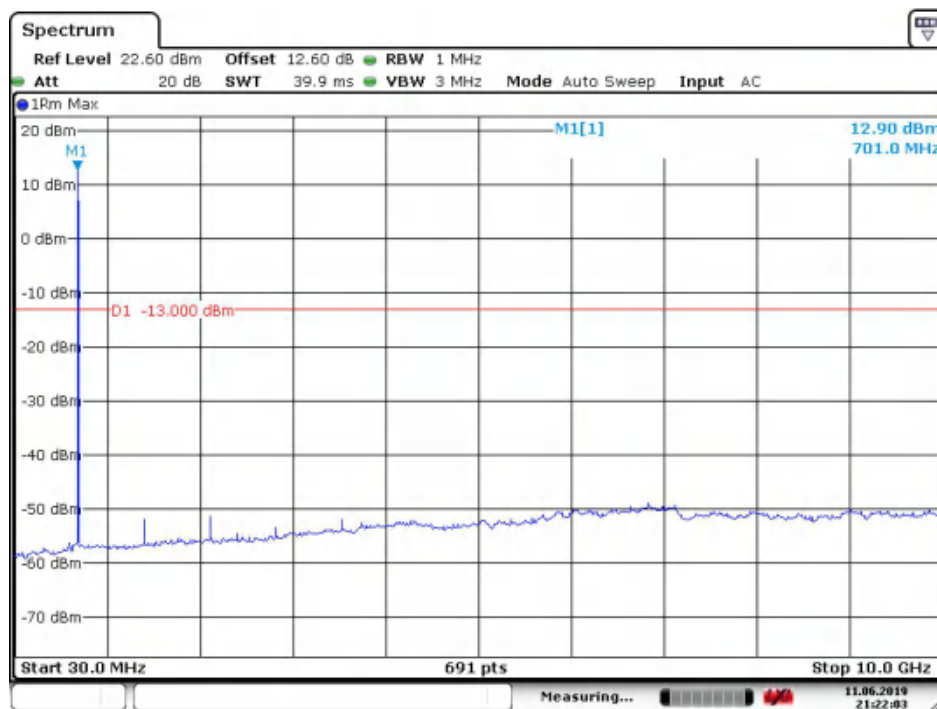
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:22:55

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0

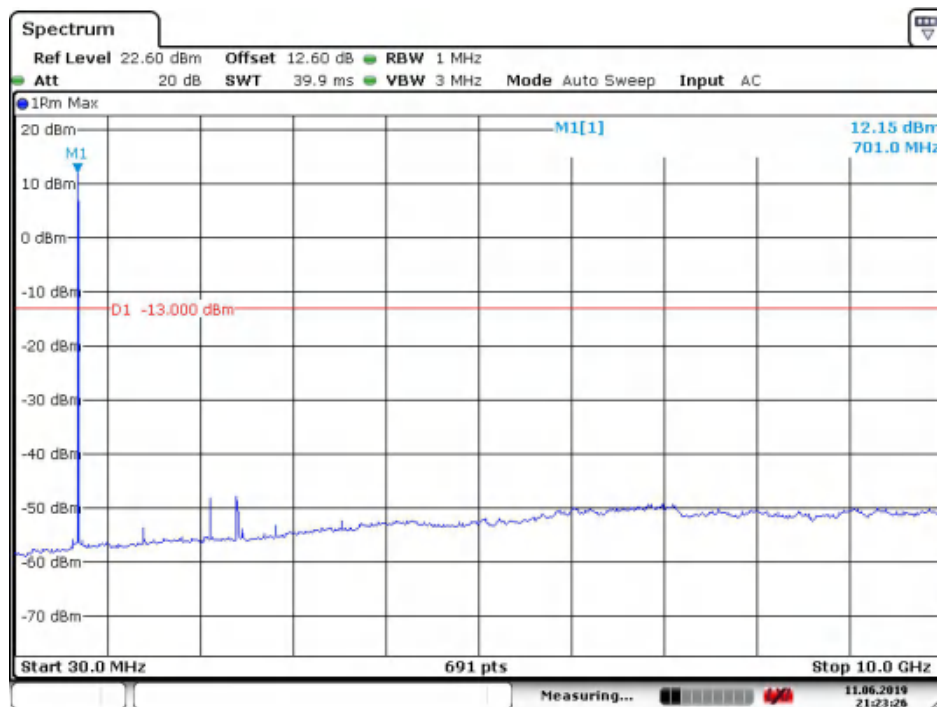
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:22:03

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0

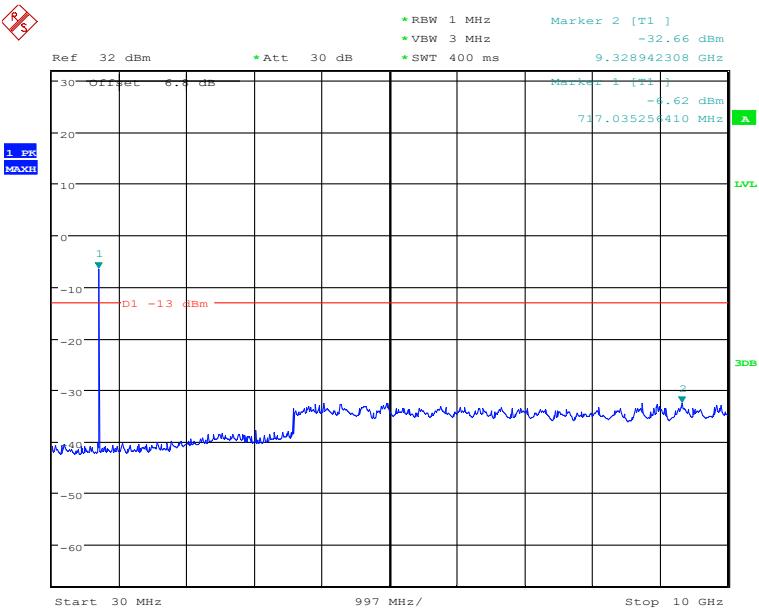
Note: The strong emission shown in each case is the carrier signal.



Date: 11.JUN.2019 21:23:26

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), BPSK, 12@0

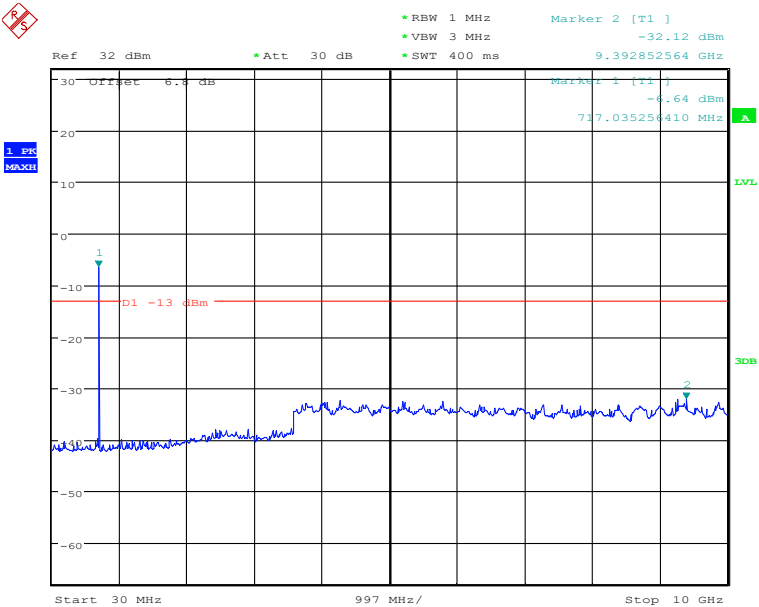
Note: The strong emission shown in each case is the carrier signal.



Date: 2.JAN.2020 03:03:18

30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.

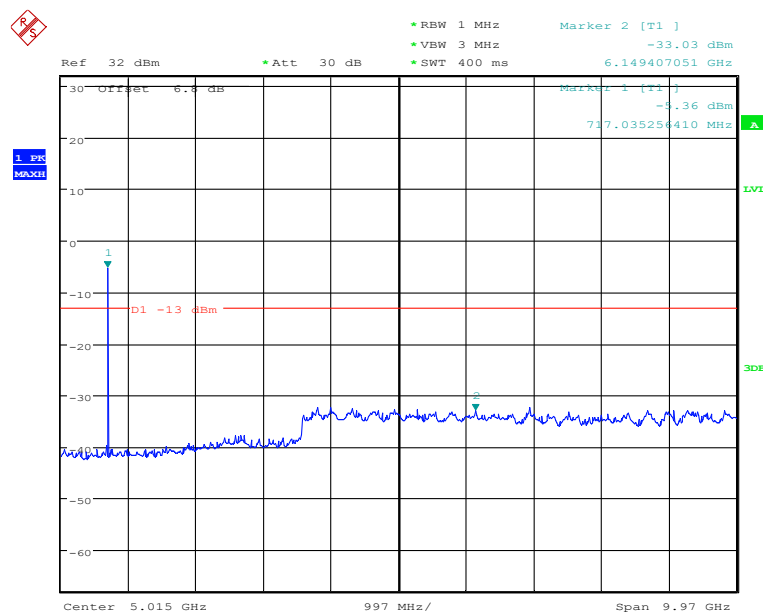


Date: 2.JAN.2020 03:03:58

30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.

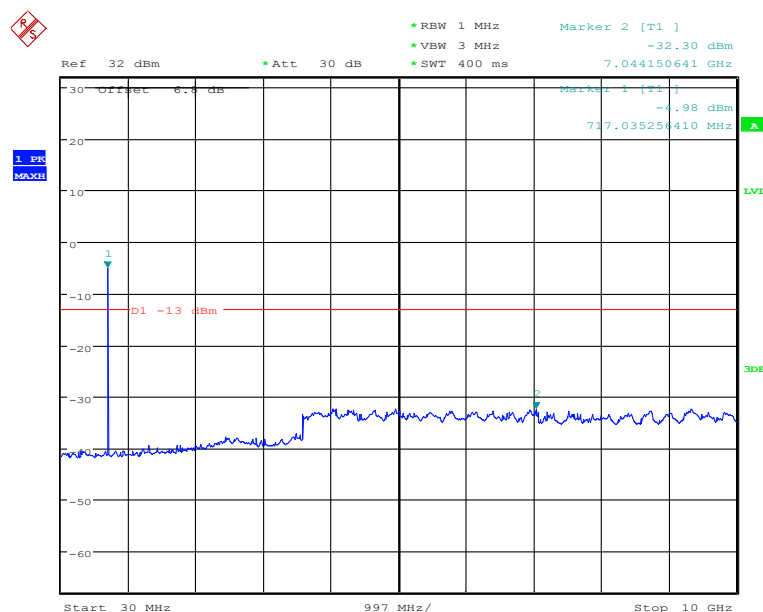
Report No.:B19W50105-WWAN_Rev7



Date: 2.JAN.2020 03:01:00

30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 20.DEC.2019 04:15:25

30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.